The power of new standards

Our Ref : JPL/MoEF&CC/ENV/011307
Date : May 26, 2021

Director (EI)
Ministry of Environment & Forests
Paryavaran Bhawan, C.G.O. Complex,
Lodi Road, New Delhi – 110 003

Subject: **Compliance report to Environment Clearance of 1320 MW coal based thermal power plant by Jhajjar Power Ltd. at Jhajjar, Haryana**

Ref: **EC letter to HPGCL vide-J-13011/10/2008-IA. II (T) awarded on 24th April, 2008 & to JPL on Dated 25 November 2009 (Annexure –I)**
FGD installation letter Dated 11 August 2010 (Annexure-II)

Dear Sir,

With reference to above mentioned subject and reference, we would like to state that all the conditions mentioned herein Environment Clearance, have been complied with. Please find enclosed the detailed report against environment Clearance conditions for ***October 2020 to March 2021*** in **Annexure III**

We would also like to mention that subsequent to the various clearances for the project, the two units have been commissioned after getting consent from appropriate authority on 29.03.2012 (Unit I) and 19.07.2012(Unit II). We would like to bring to your kind notice that all environmental monitoring reports (e.g. Ambient Air Quality, Stack Monitoring, Ground Water Quality etc.) are being regularly submitted to HSPCB Office as per the consent conditions. Present Consent No HSPCB/Consent/: 2816117JHACTO3583644 dated, 27 March 2017, valid till 30 September 2021 (**Annexure V**). Quarterly monitoring reports submitted to HSPCB during this period is attached as **Annexure IV**.

Sir, in view of above, since JPL has complied with all conditions of Environment Clearance and is operational since 19th July 2012 with valid consent to operate, request guidance from your good office if there is requirement for further submission of six monthly environment clearance compliance.

Thanking you,
Yours faithfully
For **Jhajjar Power Limited**

Bhaskar Bhattacharjee
Sr. Vice President – (O&M)

Enclosure: Annexure- I, II, III, IV and V

Copy to:

1. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Director, Ministry of Environment & Forests, Northern Regional Office, Bay No.24-25, Sector 31-A, Dakshin Marg, Chandigarh.
4. The Regional Officer, Regional Pollution Control Board, Bahadurgarh, Haryana

Jhajjar Power Limited *(A CLP India Company)*
Registered Office: Unit No. T-15/B, Salcon Rasvilas, 3rd Floor, Plot No. D-1, Saket District Centre, Saket, New Delhi 110 017. India
Tel: +91-11-66120700 Fax: +91-11-66120777 / 778
Plant: Village Khanpur, Tehsil Matenhail, District Jhajjar, Haryana 124142, India
Tel: +91 1251-270100 Fax: +91-1251-270105
Corporate Office: 7th Floor, Fulcrum, Sahar Road, Andheri (East) Mumbai 400 099. India
Tel: +91-22-67588888 Fax:67588811 / 8833 : Web- www.clpgroup.com, www.clpindia.in
CIN: U40104DL2008SGC374107

By Speed Post

No. J-13011/10/2008?IA.II(T)
Government of India
Ministry of Environment & Forests

Paryavaran Bhavan,
C.G.O. Complex, Lodi Road,
New Delhi-110003.

Dated: 24th April, 2008

To,

M/s Haryana Power Generation Corporation Ltd.
Shakti Bhawan, Sector-6,
Panchkula ? 134 112
Haryana.

Sub: 1320 MW (2x660 MW) Coal based Thermal Power Project at Jhajjar, Haryana by M/s Haryana Power Generation Company Ltd Environmental Clearance regarding.

The undersigned is directed to refer to your communication no. Ch-30/ CE/ PPM/ SE/ Tech-320/L-3 dated 30.01.2008 regarding the subject mentioned above.

2. It is noted that the proposal is for grant of environmental clearance for setting up of a 1320 MW coal based thermal power project at Jhajjar, Haryana. The coordinates of the project site are latitude 28^0 29? 11? N and longitude 76^0 21? 07? E. The land requirement for the project is 1221 acres (494.1 ha), which includes 137 ha for greenbelt. The water requirement is estimated as 5,000 m3/hr, which will be obtained from Jawharlal Nehru Canal of Western Yamuna Canal. The coal requirement is estimated as 6.76 million TPA at 90% PLF. Coal linkage has been obtained. No ecologically sensitive area is reported within 15 Km radius of the plant boundary. Bhindavas Wildlife Sanctuary is reported to be at a distance of 17 km. Public hearing was held on 29.10.2007. Total cost of the project is Rs. 5300.00 crores which includes Rs. 318.00 crores for environmental protection measures.

3. The proposal has been considered and Ministry of Environment & Forests hereby accords environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:-

(i) The total land requirement for the project shall be restricted to 1221 acres.

(ii) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.35% and 34% respectively.

(iii) A bi-flue stack of 275 m height shall be provided with continuous online

monitoring equipments for SO_2, NOx and Particulate. Exit velocity of flue gases shall not be less than 24.7 m/sec.

(iv) High efficiency Electrostatic Precipitator (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm3.

(v) Space provision shall be kept for retrofitting of FGD, if required at a later date.

(vi) Low Nox burner shall be provided.

(vii) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.

(viii) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Fly ash shall be used in a phased manner as per provisions of the notification on Fly Ash Utilization issued by the Ministry in September, 1999 and its amendment. By the end of 9^{th} year full fly ash utilization should be ensured. Unutilized fly ash shall be disposed off in the ash pond in the form of High Concentration Slurry and the bottom ash in conventional slurry mode.

(ix) Ash pond shall be lined with suitable impervious lining. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.

(x) Closed cycle cooling system with cooling towers shall be provided. COC of at least 5 shall be adopted and the effluent treated as per the prescribed norms.

(xi) The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon for storm water. Arrangements shall be made that effluents and storm water do not get mixed.

(xii) A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation.

(xiii) Rain water harvesting should be adopted. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rain water harvesting technology within a period of three months from the date of clearance and details shall be furnished.

(xiv) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Details of these measures along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Chandigarh.

(xv) Storage facilities for liquid fuel such as LSHS shall be made in the plant area at a location where risk is minimum to the storage facilities. Adequate arrangement of risk management shall be made in the Disaster Management Plan for the same. Mock drills shall be conducted regularly as planed.

(xvi) Regular monitoring of ground water in and around the ash pond area shall be carried out in consultation with the Central / State Ground Water Board/Authority and records maintained. Periodic reports shall be furnished to the Regional Office of this Ministry and Central /State Ground Water Board/Authority.

(xvii) A green belt of adequate width and density shall be developed around the plant periphery covering about 137 ha of project area preferably with local species.

(xviii) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.

(xix) Leq of Noise levels emanating from gas and steam turbines shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as steam & gas turbines, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.

(xx) Regular monitoring of ground level concentration of SO_2, NOx, SPM and RSPM shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry

(xxi) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in/.

(xxii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xxiii) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/ Regional Office/CPCB/SPCB.

(xxiv) Regional Office of the Ministry of Environment & Forests located at Chandigarh will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.

(xxv) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

(xxvi) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.

(xxvii) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Chandigarh /the CPCB/the SPCB who would be monitoring the compliance of environmental status.

4. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. MOEF may impose additional environmental conditions or modify the existing ones, if necessary.

5. The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.

6. In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments

8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

(Dr. S.K. Aggarwal)

DIRECTOR

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110001.

2. The Secretary (Environment), Deptt. of Environment, Haryana Civil Secretariat, Government of Haryana, Chandigarh.

3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.

4. The Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana - with a request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector?s office for 30 days.

5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.

6. The Chief Conservator of Forests, Northern Regional Office, Ministry of Environment & Forests, SCO 132-133, Sector 34-A, Chandigarh-160022

7. The Director (EI), MOEF.

8. Guard file.

9. Monitoring file.

(Dr. S.K. Aggarwal)

DIRECTOR

J-13011/10/2008 - IA. II (T)
Government of India
Ministry of Environment & Forests

Tel no: 011- 24367257
Paryavaran Bhavan, C.G.O. Complex,
Lodi Road, New Delhi -110003.
Dated: November 25, 2009.

OFFICE ORDER

Sub: **2x660 MW Super Critical Coal Based Thermal Power Project at Jhajjar, Haryana.**

Sir,

The undersigned is directed to refer to your letter No. Ch-22/SE/Tech-335, dated 07.09.2009 requesting for change of name of the addressee mentioned in this Ministry's letter of even no. dated 24.04.2008 and 16.10.2008 respectively issued to M/s Haryana Power Generation Corporation Ltd.

2. The request has been examined and in partial modification of this Ministry's letters of even no. dated 24.04.2008 and 16.10.2008 respectively, it is informed that the name of the addressee mentioned in the aforesaid letters issued by this Ministry with respect to above mentioned project shall be substituted by the following:

M/s Jhajjar Power Ltd.
Village Khanpur Kalan
Sub-Tehsil: Matanhail
District Jhajjar
Haryana.

3. It is further informed that after clause no. (xxvii) under para no.3 of this Ministry's letter of even no. dated 24.04.2008, the following shall be added:

(xxviii) The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.

4. All other conditions mentioned in this Ministry's aforesaid letters of even no. 24.04.2008 and 16.10.2008 respectively shall remain the same.

Cont'd.....

This issues with the approval of the Competent Authority.

Yours faithfully,

28/11/07

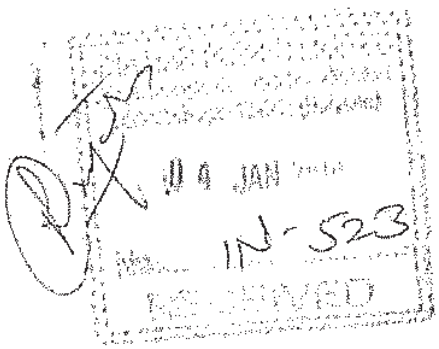
(W. Bharat Singh)
Deputy Director

M/s Jhajjar Power Ltd.
Village Khanpur Kalan
Sub-Tehsil: Matanhail
District Jhajjar
Haryana.

Copy to:

1. The Secretary, Department of Environment, Haryana Civil Secretariate, Govt. of Haryana, Chandigarh.
2. The Chairman, Haryana Pollution Control Board, C-11, Sector 6, Panchkula, Haryana.
3. The Chairman, Central Electricity Authority, sewa Bhawan, R.K. Puram, New Delhi – 110 0066.
4. The Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (NZ), Sector -31A, Dakshin Marg, Chandigarh – 160 030.
5. The Chief Engineer(Planning), M/s Haryana Power Generation Corpn. Ltd, Shakti Bhawan, Sector-6, Panchkula.
6. Guard File.

(W.Bharat Singh)
Deputy Director



Annexure - II

ANNEXURE-2 (6)

J-13011/10/2008 - IA. II (T)
Government of India
Ministry of Environment & Forests

Tel no: 011- 24367257
Paryavaran Bhavan, C.G.O. Complex,
Lodi Road, New Delhi -110003.
Dated: August 11, 2010

OFFICE ORDER

Sub: Installation of FGD at 2X660 MW Super-Critical Coal Based TPP at Jhajjar, in Haryana - reg.

Sir,

The undersigned is directed to refer to your letter dated 16.03.2010 requesting for allowing installation of Flue Gas Desulphurization (FGD).

2. The request has been examined and the Ministry welcomes the initiative taken by you. It is hereby informed that the following changes as mentioned under shall be made in this Ministry's letter of even no. dated 24.04.2008.

(i) Clause no. (iii), under para no.3 read as "A bi-flue stack of 275 m height shall be provided with contiguous online monitoring equipment for SO_2, NO_x and particulate. Exit velocity of flue gases shall not be less than 24.7 m/sec", shall now be substituted by the following:

"A bi-flue stack of 275 m height shall be provided with contiguous online monitoring equipment for SO_2, NO_x and $PM_{2.5}$ & PM_{10}. Exit velocity of flue gases shall not be less than 22 m/sec".

(ii) Clause no. (v), under para no.3 read as "Space provision shall be kept for retrofitting of FGD, if required at a later stage", shall now be substituted by the following:

"FGD having sulphur removal efficiency of not less than 85% shall be installed with each unit within three years of commissioning of the power plant".

3. After clause no. xxvii, under para no.3, the following clauses shall be inserted.

(xxviii) The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance

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issued vide this Ministry's letter of even no. dated 03.10.2008, in its website and updated periodically and also simultaneously send the same by e-mail to the Regional Office of the Ministry of Environment and Forests.

xxix) Criteria pollutants levels including NO_x, RSPM (PM_{10} & $PM_{2.5}$), SO_x (from stack & ambient air) shall be regularly monitored and results displayed in your website and also at the main gate of the power plant.

4. All other conditions mentioned in this Ministry's letter of even no. dated 24.04.2008 (and its amendments) shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,

(W. Bharat Singh)
Deputy Director

M/s Jhajjar Power Ltd.
Village Khanpur Kalan
Sub-Tehsil: Matanhalli
Distt. Jhajjar
Haryana – 124 142.

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi – 110 001.
2. The Chairman, Haryana Pollution Control Board, .C-11, Sector-6, Panchkulla.
3. The Chief Conservator of Forests (C), Regional Office (NZ), Ministry of Environment & Forests, Sector -31A, Dakshin Marg, Chandigarh – 160 030.
4. Guard File.

11/8/10

(W.Bharat Singh)
Deputy Director

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Annexure -III

Compliance Report against EC Conditions

Reference: Environmental Clearance ("EC") No. : No. J-13011/10/2008-IA.II (T) dated 24 Apr 2008 and its amendment on 11 August 2010.

Response: JPL's responses against each point of the EC are provided below in italics.

(**Note**: EC was originally granted in the name of M/s Haryana Power Generation Corporation Ltd. ("HPGCL") and same transferred in the name of M/s Jhajjar Power Limited (JPL) post award of the project under case-2 bidding by office order on 25-Nov-2009).

CLP India Information Classification: PROPRIETARY

Sub: 1,320 MW (2x660 MW) Coal based Thermal Power Project at Jhajjar, Haryana by M/s Haryana Power Generation Company Ltd Environmental Clearance regarding.

1. The undersigned is directed to refer to your communication no. Ch-30/ CE/ PPM/ SE/ Tech-320/L-3 dated 30.01.2008 regarding the subject mentioned above.

   Response: Noted

2. It is noted that the proposal is for grant of environmental clearance for setting up of a 1320 MW coal based thermal power project at Jhajjar, Haryana. The coordinates of the project site are latitude 28^0 29' 11'" N and longitude 76^0 21' 07" E. The land requirement for the project is 1221 acres (494.1 ha), which includes 137 ha for greenbelt. The water requirement is estimated as 5,000 m^3/hr, which will be obtained from Jawaharlal Nehru Canal of Western Yamuna Canal. The coal requirement is estimated as 6.76 million TPA at 90% PLF. Coal linkage has been obtained. No ecologically sensitive area is reported within 15 Km radius of the plant boundary. Bhindavas Wildlife Sanctuary is reported to be at a distance of 17 km. Public hearing was held on 29.10.2007. Total cost of the project is Rs. 5300.00 crores which includes Rs. 318.00 crores for environmental protection measures.

   Response*: *Complied. The project has been set up in compliance with these conditions.

3. The proposal has been considered and Ministry of Environment & Forests hereby accords environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:-

(i) The total land requirement for the project shall be restricted to 1221 acres.

Response: *Haryana Govt. acquired 1,227 acres of land and handed over to the project proponent, Mahatma Gandhi Thermal Power Plant (Jhajjar Power Limited).*

(ii) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.35% and 34% respectively.

Response*: Complied. The overall Sulphur content of the coal burnt at MGTPP is maintained within 0.35%. MGTPP has taken all efforts to limit ash content of the coal used to be less than 34% and achieved the stipulated limit. Owing to domestic coal having higher ash content is being supplied from Govt. coal companies, ash content has exceeded the limits. Nonetheless, MGTPP has controlled SPM emissions within limits and ash utilization as per stipulated targets to take care of any environmental impacts. Constant efforts are being made to pursue coal companies to contain ash content of coal dispatched to us within the stipulated limit. Actual figures of ash content have been communicated to HSPCB on regular basis (Refer* ***Annexure IV****).*

(iii) A bi-flue stack of 275 m height shall be provided with continuous online monitoring equipment for SO_2, NOx and Particulate. Exit velocity of flue gases shall not be less than 24.7 m/sec.

Response*: Complied. The clause (iii) under Para 3 shall be substituted by MoEF by office order on dated 11 Aug 2010.*

As per plant design two boilers share one twin flue chimney of height 275 m. Continuous emission monitoring systems have been installed and all parameters mentioned are being monitored (SO_2, NOx and Particulate Matter) and the respective online data is being sent to CPCB and HSPCB server. Flue gas exit velocity conditions as applicable for operation with and without FGD have been complied.

CLP India Information Classification: PROPRIETARY

(iv) High efficiency Electrostatic Precipitator (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm^3.

***Response**: Complied. A combination of ESPs and Bag Filters has been installed to meet the requirement of less than 50 mg/Nm^3 limit for particulate emission. FGD is in operation to prevent SO2 emission. FGD further reduces dust emission from flue gas.*

(v) Space provision shall be kept for retrofitting of FGD, if required at a later date.

Response**: Complied. The clause (V) under para 3 substituted by MoEF by office order on dated 11 Aug 2010. FGD has already been installed. At JPL, Flue Gas Desulphurization (FGD) is installed to control the Sulphur Di-oxide emission to atmosphere. New environment norms pertaining to SO_2 has come into effect for JPL from 31st Jan 2019 onwards. In view of this, there is continuous operation of FGD to meet the SO_2 compliance limit of 200 mg/ Nm3.* ***JPL is the only plant in NCR region which has FGD in continuous operation and successfully compliant to emission norms of SO_2.

(vi) Low NOx burner shall be provided.

***Response**: Complied. Low NOx burner and **Separated Over-Fire Air (**SOFA) system has been installed to control NOx from the flue gas emission A third party M/s Fortum was engaged for combustion optimization study and recommended various measures to further reduce NOx. Presently, JPL is complying with the new NOx emission limit of 450 mg/Nm3.*

(vii) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.

***Response**: Complied. Dry Fogging and Water spray systems for dust suppression system in coal handling areas such as conveyors, wagon tipplers ,stacker- reclaimer etc. Dust extraction system in bunkers and pre-wetting system of wagon tippler have been installed to prevent fugitive dust generation. Also, sprinkling line have been laid all around coal yard for dust suppression. A combination of ESPs and bag filters has been installed for efficient dust extraction. In ash handling area, mobile water tankers and sprinklers have been deployed for fugitive dust suppression purpose. HDPE Pipeline of 1800 m with Sprinkler arrangement has been laid in and around the ash disposal site for dust suppression.*

(viii) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Fly ash shall be used in a phased manner as per provisions of the notification on Fly Ash Utilization issued by the Ministry in September, 1999 and its amendment. By the end of 9th year full fly ash utilization should be ensured. Unutilized fly ash shall be disposed off in the ash pond in the form of High Concentration Slurry and the bottom ash in conventional slurry mode.

***Response**: Complied. Ash Silos have been provided to store & dispense dry ash. Ash utilization has been ensured. Fly ash is being sent to cement plants and fly ash brick manufacturers. Unused ash in conditioned form is disposed-off in ash disposal site. The ash utilization is regularly reported to CPCB and HSPCB. JPL has achieved Fly Ash Utilization of 100 % during FY 2020-21*

There are operational contracts with cement companies, for the utilization of dry fly ash. The fly ash is being evacuated directly from the ash silo. Total contracted quantity exceeds the estimated ash generation. Allocation is done to brick manufacturers and cement companies. There are agreements with road and other construction companies, for the offtake of ash.

CLP India Information Classification: PROPRIETARY

Fly ash from the ash silos, is transported through enclosed bulkers. Further, dust extraction systems are operated during loading, to arrest fugitive ash emissions. Prior to exiting the plant premises, all bulkers carrying ash, are cleaned thoroughly at designated cleaning areas. This ensures that remnants of ash, on the exterior walls of the bulkers, are washed away. Ash from the ash disposal site, which is lifted through trailers and dumpers (Hywa), are covered by tarpaulin.

In addition to the above, the temporary residual stock of ash (rolling stock), if any, is being stored safely in a scientific manner. JPL has undertaken various measures, to ensure scientific storage of the ash, within the Ash Disposal Site like HDPE lining, ground water monitoring, ash compaction, regular sprinkling, phase wise grassing, tree plantation to develop natural barrier to prevent ash emission.

Regular coordination is done with various Government authorities, including the State Public Works Department (PWD) and National Highway Authority of India (NHAI), to keep them apprised of the availability of ash. JPL regularly places requests before such authorities, to connect JPL with interested third parties, to utilize the ash stored in the ash disposal site, including on free of cost basis for construction of road or fly over bridges. As on result of these efforts, JPL has entered into an agreement with a third party, and utilised the ash stored in the Ash Disposal Site for road construction project. The contract is continuing for future utilisation of ash which is expected to be generated from the power plant, in the construction of a road over bridge projects in nearby locations.

(ix) Ash pond shall be lined with suitable impervious lining. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.

***Response**: Complied. HDPE lining has been provided for the ash dyke (disposal site). Adequate bund arrangement has been provided around the ash disposal site to prevent any breaching of ash.*

(x) Closed cycle cooling system with cooling towers shall be provided. COC of at least 5 shall be adopted and the effluent treated as per the prescribed norms.

***Response**: Complied. This has been incorporated in the plant design and is being ensured during plant operations for water conservation. During unit operation average COC maintained during last six months was around 6. JPL has taken various initiatives through use of advanced chemicals to achieve higher COC.*

(xi) The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon for storm water. Arrangements shall be made that effluents and storm water do not get mixed.

***Response**: Complied. The plant is designed & being operated for zero discharge of effluent; hence there is no discharge of effluent outside the plant boundary. Provision has been made for separating the storm water from effluents. An ETP of capacity (100 m^3/hr) has been constructed & operated for treatment of plant effluents. Treated effluent is being reused within the plant premises for, dust suppression, horticulture etc.*

(xii) A sewage treatment plant shall be provided, and the treated sewage shall be used for raising greenbelt/plantation.

***Response**: Complied. Two Sewage Treatment Plants, one in township (200 m3/day) and one in plant (240 m3/day) are in operation for treating the sewage generated from township and plant respectively. Treated effluent from sewage treatment plants is being suitably reused for horticulture purpose, dust suppression etc.*

(xiii) Rainwater harvesting should be adopted. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of clearance and details shall be furnished.

Response: *Complied. In order to implement suitable rainwater harvesting system, 3 recharge well structures have been constructed at JPL site connecting to drains whereby rainwater gets collected. These recharge well structures utilize the harvested rain water and recharge ground water.*

(xiv) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Details of these measures along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry at Chandigarh.

Response*: Complied. Safety measures have been incorporated for the coal yard. Coal yard spray for dust suppression and water hydrant system for firefighting purpose have been provided.*

(xv) Storage facilities for liquid fuel such as LSHS shall be made in the plant area at a location where risk is minimum to the storage facilities. Adequate arrangement of risk management shall be made in the Disaster Management Plan for the same. Mock drills shall be conducted regularly as planned.

Response*: Complied. The plant is using HSD for auxiliary firing. The risk assessment and mitigation measures have been included in the site Emergency Plan and mock drills are periodically conducted.*

(xvi) Regular monitoring of ground water in and around the ash pond area shall be carried out in consultation with the Central / State Ground Water Board/Authority and records maintained. Periodic reports shall be furnished to the Regional Office of this Ministry and Central /State Ground Water Board/Authority.

Response*: Complied. Regular monitoring of groundwater in and around the plant is being conducted. Piezometers and Observation Wells have been installed for regular monitoring of ground water in and around the ash disposal site. Monitoring reports are submitted to HSPCB periodically (Refer* ***Annexure IV****).*

(xvii) A green belt of adequate width and density shall be developed around the plant periphery covering about 137 ha of project area preferably with local species.

Response*: Complied. Greenbelt of adequate width & density has been developed and native species have been planted for better survival. In this respect, a third party surveyor was engaged to carry out survey in our plant to estimate the area covered under green belt. As per the Green belt survey done in March'2016,* ***149.73 ha (14, 97,333 sq. m)*** *area has been developed under green belt zone. Further, around 62,000 samplings were planted till date. Effort to augment the green cover further is ongoing.*

(xviii) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.

Response*: Complied. Due first aid and sanitation arrangements had been arranged for all the drivers & contract workers at the site during the construction phase.*

(xix) Leq. of Noise levels emanating from gas and steam turbines shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as steam & gas turbines, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non-noisy/less noisy areas.

Response*: Complied. The limit of 75dBA noise level from steam turbine operation of the plant applies to the noise at the boundary of the plant as per National Ambient Air Quality Standards (NAAQS). Taking due considerations of this requirement, cladding and acoustic enclosures has been incorporated in plant designs for the steam turbine units & other plant & equipment such as compressors etc. Suitable hearing protection devices (earplugs/ ear muffs) for workers working in*

high noise areas have been provided. Annual audiometric examination is carried out for employees and six monthly for the contract staff. Suitable corrective actions in case anybody is found to be affected, such as rotation of manpower. The noise levels at the boundary are within the stipulated limits. There are background noises from the nearby industries also. We are in compliance to the Noise Pollution Regulation and Control (Amendment) Rules, 2010. Third party sampling reports are regularly submitted to HSPCB on quarterly basis. Please refer ***Annexure - IV****.*

(xx) Regular monitoring of ground level concentration of SO_2, NOx, SPM and RSPM shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry

Response*: Complied. As per the directions of the HSPCB, regular monitoring of the ground level concentrations of SO2, NOx, SPM, RSPM (PM_{10} & $PM_{2.5}$) is being carried out by engaging third party. Third party sampling reports are regularly submitted to HSPCB on quarterly basis. Please refer* ***Annexure-IV****.*

(xxi) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in/.

Response*: Complied. Advertisement placed in 'The Tribune' Haryana edition and 'Amar Ujala' Haryana edition on 12-Nov-2009.*

(xxii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

Response*: Complied. The environmental management cell is set up which includes qualified staff in addition to the management for implementation of the stipulated environmental safeguards.*

(xxiii) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/ Regional Office/CPCB/SPCB.

Response*: Complied. Six monthly reports have been submitted to all concerned authorities.*

(xxiv) Regional Office of the Ministry of Environment & Forests located at Chandigarh will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.

Response*: Complied. The mentioned documents have been duly submitted to the Regional Office of MoEF at Chandigarh by HPGCL.*

(xxv) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

***Response**: Environmental Impact Assessment report agrees to provide INR 308 Crores as initial estimate for environmental protection measures. The detailed list of proposed estimate as below was being communicated to ministry vide our letter no.JHA/MOEF/PM/BB/959 dt. 17/11/2010. Actions were taken to include these activities under EPC contract for the project and these have been dulys installed/ implemented.*

Estimated expenditure as per the EIA report

Pollution Control Facilities	Cost
Cost of Air Pollution Control Systems (electrostatic precipitator, dust suppression & dust Extraction)	INR 150 Crores
Cost of Water Pollution Control (ETP)	INR 30 Crores
Cost of Solid Waste Management System (ash handling-civil & mechanical, ash dykes)	INR 100 Crores
Green belt development	INR 6 Crores
Environmental monitoring Facilities	INR 22 Crores
TOTAL	**INR 308 Crores**

Actual Expenditure incurred in providing the equipment listed above at site and year-wise breakup is as below

Year Wise Break Up of Pollution Control Equipment		
Year	**Cost (INR)**	**Major Pollution Control Facilities**
FY 11-12	292,25,82,087	Ash Handling Facility, ETP, Ash Dyke, ESP
FY 12-13	71,58,73,727	Environment Monitoring Facilities, ESP
FY 13-14	299,79,91,932	STP, Ash Handling System, FGD
FY 14-15	7,18,00,869	Environment monitoring facilities, Fabric Filter
FY 15-16	9,07,01,800	Fabric filter, Dust Suppressor, Dust Extractor
FY 16-17	95,29,060	Piezometer & Observation well installation, Rainwater Harvesting, Environmental Monitoring, Hazardous Waste Disposal, Transition to ISO 14001 2015 Environment Management, Training and Awareness
FY 17-18	57,39,54,639	FGD Reliability Improvement actions taken up in 2017-18 and planned in 2018, NOx reduction measures, Environmental Monitoring, Hazardous Waste Disposal,
FY 18-19	51,24,10,973	Replacement of Fabric Filters , Dust suppression measures, Tree plantation, Environment Monitoring expenses ,FGD CAPEX and OPEX for reliability improvement, Ash dyke management and Ash disposal, NOx reduction measures.
FY 19-20	53,37,78,938	FGD CAPEX and OPEX for reliability improvement, Ash dyke management and Ash disposal, NOx and SPM Reduction measures. Dust suppression measures, Horticulture Waste Management , Wastewater treatment, Environment Monitoring
FY 20-21	**28,73,24,295**	FGD – CAPEX and OPEX
	2,46,68,523	Ash dyke management and Ash disposal, Dust suppression measures, Horticulture
	14,31,92,494	SPM Reduction, Waste Management , Wastewater treatment, Environment Monitoring , ESP and FF Operation and Maintenance cost
Total Cost (INR)	888,38,09,837 **(INR 888.38 Crores)**	

Year Wise Break Up of Horticulture Expenditure	
Year	***Cost(INR)***
FY 2009-2010	*2,45,426*
FY 2010-2011	*4,05,661*
FY 2011-2012	*4,09,720*
FY 2012-2013	*2,26,00,379*
FY 2013-2014	*1,67,56,637*
FY 2014-2015	*1,43,71,391*
FY 2015-2016	*44,42,996*
FY 2016-2017	*19,38,000*
FY 2017-2018	*1,05,30,000*
FY 2018-2019	*1,10,45,000*
FY 2019-2020	*1,26,00,000*
FY 2020-2021	*1,38,00,000*
Total	**10,91,45,210**

By taking the above actions this condition has been fully complied.

(xxvi) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.

Response*: Complied.*

- *Date of start of land development: Oct 2008*
- *Financial Closure:* 17th September 2009
- *Date of Commissioning of the plant:*

  Unit 1 has been commissioned on 29th March'2012.

  *Unit 2 has been commissioned on 19th July'*2012.

(xxvii) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Chandigarh / the CPCB / the SPCB who would be monitoring the compliance of environmental status.

Response*: Complied. Always full cooperation has been extended to all mentioned authorities for monitoring of the project and shall be maintained in future.*

(xxvii) The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.

Response*: Complied. The status of compliance is being uploaded at regular interval on the company website. https://www.clpindia.in/operations_jhajjar.html and the same is being sent through email to the Regional Office, MoEF.*

(xxviii) The project proponent shall upload status of compliances of condition stipulated in the environment clearance issued vide this ministry's letters of even no. dated 03.10.2008, in its web site and updated periodically and also simultaneously send the same by email to the Regional office of the Ministry of Environment and Forests.

Response*: Complied. Kindly refer to the Clause (xxviii) inserted after clause (xxvii) under para no. 3 by MoEF on dated 11Aug 2010.*

(xxix) Criteria pollutants levels including NOx, RSPM (PM10 & PM2.5), SOx (from stack & ambient air) shall be regularly monitored and result displayed in your website and also at the main gate of the power plant.

***Response**: Complied. Kindly refer to the clause (xxix) inserted after clause (xxvii) under para no. 3 by MoEF on dated 11Aug 2010.*

*The status of Criteria pollutants levels including NOx, RSPM (PM10 & PM2.5), SOx (from stack & ambient air) is regularly monitored through real-time monitoring system and certified third party. Third party sampling reports are regularly submitted to HSPCB on quarterly basis. Please refer **Annexure-IV**.*

Online Continuous emission monitoring system with remote calibration facility has been installed replacing previous OCEMs for real time emission data transfer of stack emissions to CPCB.

The criteria pollutants are regularly mentioned in annual sustainability reports which is being regularly uploaded on the company's website at https://www.clpindia.in/operations_jhajjar.html. *Also, the monitored results are constantly displayed at the main gate of the power plant.*

4. The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. MOEF may impose additional environmental conditions or modify the existing ones, if necessary.

***Response**: Noted.*

5. The environmental clearance accorded shall be valid for a period of 5 years to start of production operations by the power plant.

***Response**: Noted.*

6. In case of any deviation or alteration in the project proposed from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.

***Response**: Noted.*

7. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments

***Response**: Noted.*

8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

***Response**: Noted.*

****

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Annexure-IVA

Our Ref : JPL/HSPCB/ENV/011243
Date : April 12, 2021

The Regional Officer
Haryana State Pollution Control Board
Regional Office, SCF No. 42 & 43, Shopping Centre,
Sector-6, Huda, Bahadurgarh
Tele Fax: 01276-267077
E-mail: hspcbrobdh@gmail.com

Subject: Submission of Quarterly monitoring reports of MGTPP, Jhajjar Power Limited.

Ref: 1. Environmental Clearance No.: J-13011/10/2008-IA.II(T) dated 24.04.2008
2. Consent to Operate Regd. No.: HSPCB/Consent/ 2816117JHACTO3583644 Dated:27/03/2017

Dear Sir,

As per above mentioned subject, please find the enclosed quarterly monitoring reports for submission.

Monitoring Reports of Air, Water& Noise of Jan 2021- **Annexure I**
Monitoring Reports of Air, Water& Noise of Feb 2021 - **Annexure II**
Monitoring Reports of Air, Water& Noise of March 2021 - **Annexure III**

Quarterly Average Ash content in coal is provided in **Annexure IV**

We hope that JPL would continue to receive your cooperation in this regard to fulfill our commitment towards compliance of all the relevant environmental norms in the future.

Thanking you.

Yours faithfully,
For **Jhajjar Power Limited**

Bhaskar Bhattacharjee
Sr. Vice President - Operations

Enclosure: Annexure I, Annexure II, Annexure III and Annexure IV

Copy to: Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana.

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130384 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290977 **NABL ULR No.** :TC592621000001001F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 04-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1898.15
Avg. Ambient Temperature,°C	: 12

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130384 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290977 **NABL ULR No.** :TC592621000001001F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130385 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290978 **NABL ULR No.** :TC592621000001036F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 04-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1839.75
Avg. Ambient Temperature,°C	: 12

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130385 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290978 **NABL ULR No.** :TC592621000001036F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130386 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290979 **NABL ULR No.** :TC592621000001011F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 04-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1833.32
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130386 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290979 **NABL ULR No.** :TC592621000001011F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130387 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290980 **NABL ULR No.** :TC592621000000989F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 04-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.29
Volume of air sampled,m3	: 1876.96
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	86
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	41
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Phone : (O) 0172-2561543, 2565825,
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130387 **Sample Reg. Date** :13-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290980 **NABL ULR No.** :TC592621000000989F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190614 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290954 **NABL ULR No.** :TC592621000001023F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 07-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1878.38
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101190614 Sample Reg. Date :19-01-2021 Report Date :29-01-2021 Report No. :ICE-2101290954 NABL ULR No. :TC592621000001023F Customer Ref. No.:PO Letter Dated :29.10.2020

Jhajjar Power Limited
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar
Jhajjar

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190615 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290955 **NABL ULR No.** :TC592621000001003F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 07-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	8
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190615 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290955 **NABL ULR No.** :TC592621000001003F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190616 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290956 **NABL ULR No.** :TC592621000001002F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 07-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1835.03
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101190616 Sample Reg. Date :19-01-2021 Report Date :29-01-2021 Report No. :ICE-2101290956 NABL ULR No. :TC592621000001002F Customer Ref. No.:PO Letter Dated :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101190617 Sample Reg. Date :19-01-2021 Report Date :29-01-2021 Report No. :ICE-2101290957 NABL ULR No. :TC592621000001010F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 07-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.20
Volume of air sampled,m3	: 1752.14
Avg. Ambient Temperature,°C	: 12

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	38
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190617 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290957 **NABL ULR No.** :TC592621000001010F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190618 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290958 **NABL ULR No.** :TC592621000001024F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 11-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	94
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190618 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290958 **NABL ULR No.** :TC592621000001024F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101190619 Sample Reg. Date :19-01-2021 Report Date :29-01-2021 Report No. :ICE-2101290959 NABL ULR No. :TC592621000001025F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 11-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1936.18
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190619 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290959 **NABL ULR No.** :TC592621000001025F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190620 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290960 **NABL ULR No.** :TC592621000001026F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 11-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.29
Volume of air sampled,m3	: 1863.93
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190620 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290960 **NABL ULR No.** :TC592621000001026F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190621 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290961 **NABL ULR No.** :TC592621000001027F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 11-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1892.83
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190621 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290961 **NABL ULR No.** :TC592621000001027F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190622 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290962 **NABL ULR No.** :TC592621000000999F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 14-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190622 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290962 **NABL ULR No.** :TC592621000000999F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190623 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290963 **NABL ULR No.** :TC592621000001028F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 14-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1826.93
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190623 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290963 **NABL ULR No.** :TC592621000001028F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190624 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290964 **NABL ULR No.** :TC592621000001029F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 14-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1899.42
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	42
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190624 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290964 **NABL ULR No.** :TC592621000001029F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190625 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290965 **NABL ULR No.** :TC592621000000995F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 14-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	34
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825,
Visit us: www.itclabs.com E-mail : customersupport@itclabs.com

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190625 **Sample Reg. Date** :19-01-2021 **Report Date** :29-01-2021 **Report No.** :ICE-2101290965 **NABL ULR No.** :TC592621000000995F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
29-01-2021
Reviewer

29-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101190626 **Sample Reg. Date** :19-01-2021 **Report Date** :20-01-2021 **Report No.** :ICE-2101200681 **NABL ULR No.** :TC592621000000647F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village-Noganwa
Date of Monitoring	: 15-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 0.2
Volume of air sampled,m3	: 0.289
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
20-01-2021
Reviewer

20-01-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280900 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020115 **NABL ULR No.** :TC592621000001214F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 18-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1927.36
Avg. Ambient Temperature,°C	: 12

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	38
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101280900 Sample Reg. Date :28-01-2021 Report Date :02-02-2021 Report No. :ICE-2102020115 NABL ULR No. :TC592621000001214F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280901 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020117 **NABL ULR No.** :TC592621000001216F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 18-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1812.43
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	18
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280901 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020117 **NABL ULR No.** :TC592621000001216F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280902 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020116 **NABL ULR No.** :TC592621000001215F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 18-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1900.68
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	94
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280902 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020116 **NABL ULR No.** :TC592621000001215F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280903 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020119 **NABL ULR No.** :TC592621000001217F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 18-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1920.62
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280903 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020119 **NABL ULR No.** :TC592621000001217F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280904 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020120 **NABL ULR No.** :TC592621000001218F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 21-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1807.21
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Test Report

Issued To	Sample Reg. No. :E01-2101280904 Sample Reg. Date :28-01-2021 Report Date :02-02-2021 Report No. :ICE-2102020120 NABL ULR No. :TC592621000001218F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280905 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020121 **NABL ULR No.** :TC592621000001219F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 21-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1900.68
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280905 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020121 **NABL ULR No.** :TC592621000001219F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280906 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020123 **NABL ULR No.** :TC592621000001220F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 21-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280906 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020123 **NABL ULR No.** :TC592621000001220F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280907 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020086 **NABL ULR No.** :TC592621000001194F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 21-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1892.83
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	79
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101280907 **Sample Reg. Date** :28-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020086 **NABL ULR No.** :TC592621000001194F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Document QF : 2501

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300972 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080270 **NABL ULR No.** :TC592621000001318F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 24-01-2021
Purpose of Monitoring	: For Self Monitoing
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1899.42
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300972 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080270 **NABL ULR No.** :TC592621000001318F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300973 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080271 **NABL ULR No.** :TC592621000001319F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 24-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.21
Volume of air sampled,m3	: 1754.43
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	17
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	25
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2101300973
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080271 **NABL ULR No.** :TC592621000001319F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300974 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080273 **NABL ULR No.** :TC592621000001320F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 24-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1899.42
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	20
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	28
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	97
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300974 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080273 **NABL ULR No.** :TC592621000001320F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300975 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080272 **NABL ULR No.** :TC592621000001321F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 24-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1920.62
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825,
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2101300975
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080272 **NABL ULR No.** :TC592621000001321F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300976 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080274 **NABL ULR No.** :TC592621000001322F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 27-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1806.13
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300976 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080274 **NABL ULR No.** :TC592621000001322F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
|Authorized Signatory|

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	Sample Reg. No. :E01-2101300977 Sample Reg. Date :30-01-2021 Report Date :08-02-2021 Report No. :ICE-2102080275 NABL ULR No. :TC592621000001323F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 27-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1907.28
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	94
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300977 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080275 **NABL ULR No.** :TC592621000001323F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300978 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080276 **NABL ULR No.** :TC592621000001324F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 27-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1899.42
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300978 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080276 **NABL ULR No.** :TC592621000001324F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300979 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080277 **NABL ULR No.** :TC592621000001326F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 27-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1913.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101300979 **Sample Reg. Date** :30-01-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080277 **NABL ULR No.** :TC592621000001326F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102010008 **Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080281 **NABL ULR No.** :TC592621000001335F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 30-012-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1806.13
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102010008 **Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080281 **NABL ULR No.** :TC592621000001335F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102010009 **Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080282 **NABL ULR No.** :TC592621000001329F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 30-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1841.43
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	21
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	26
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Phone : (O) 0172-2561543, 2565825,
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2102010009
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080282 **NABL ULR No.** :TC592621000001329F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102010010 **Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080283 **NABL ULR No.** :TC592621000001336F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 30-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1841.43
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	18
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2102010010
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080283 **NABL ULR No.** :TC592621000001336F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102010011 **Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080284 **NABL ULR No.** :TC592621000001334F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 30-01-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1878.38
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2102010011
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-02-2021 **Report Date** :08-02-2021 **Report No.** :ICE-2102080284 **NABL ULR No.** :TC592621000001334F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
08-02-2021
Reviewer

08-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130381 **Sample Reg. Date** :13-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190632-A **NABL ULR No.** :TC592621000000585F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	:	07-01-2021
Time of Monitoring	:	14:38 hrs to 15:11 hrs
Name of the emission source monitored	:	Stack Emission of Boiler
(a) Rated Capacity	:	660 MW
(b) Capacity on sampling day	:	575 MW
(c) Type of fuel used & its consumption	:	Coal & 345 Ton/hr
(d) Normal operating schedule	:	24 hrs
2. Stack Identification	:	Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	:	Metal
4.Stack Height from Ground Level(m)	:	275
Diameter of the Stack(cm)	:	700
(6) Sampling Duration(minutes)	:	33
Purpose of Monitoring	:	For Self Monitoring
(8) Air Pollution control measure	:	ESP + FF + FGD + Low NOx Burner
(a) Status	:	Working
(b) Recovery of Material	:	-
(9) Fugitive Emission,if any	:	Nil

Observations

Flue Gas Temperature, °C,Avg.	:	54
Flue Gas Velocity(m/s),Avg.	:	17.47
Volumetric Flow Rate(Nm^3/hr.)	:	2123377.16
Ambient Air Temperature, °C	:	13

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2101130381 **Sample Reg. Date** :13-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190632-A **NABL ULR No.** :TC592621000000585F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	26.25
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	107.75
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	156.56
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	2.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 07.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101130378 **Sample Reg. Date** :13-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190629-A **NABL ULR No.** :TC592621000000583F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	:	09-01-2021
Time of Monitoring	:	10:40 hrs to 11:13 hrs
Name of the emission source monitored	:	Stack Emission of Boiler
(a) Rated Capacity	:	660 MW
(b) Capacity on sampling day	:	655 MW
(c) Type of fuel used & its consumption	:	Coal & 382 Ton/hr
(d) Normal operating schedule	:	24 hrs
2. Stack Identification	:	Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	:	Metal
4.Stack Height from Ground Level(m)	:	275
Diameter of the Stack(cm)	:	700
(6) Sampling Duration(minutes)	:	33
Purpose of Monitoring	:	For Self Monitoring
(8) Air Pollution control measure	:	ESP + FF + FGD + Low NOx Burner
(a) Status	:	Working
(b) Recovery of Material	:	-
(9) Fugitive Emission,if any	:	Nil

Observations

Flue Gas Temperature, °C,Avg.	:	51
Flue Gas Velocity(m/s),Avg.	:	17.34
Volumetric Flow Rate(Nm^3/hr.)	:	2127091.02
Ambient Air Temperature, °C	:	15

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2101130378
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :13-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190629-A **NABL ULR No.** :TC592621000000583F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	30.87
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	120.54
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	164.48
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	1.9

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 09.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2101160534
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :16-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190662-A **NABL ULR No.** :TC592621000000610F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 15-01-2021
Time of Monitoring	: 12:20 hrs to 12:58 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 655 MW
(c) Type of fuel used & its consumption	: Coal & 382 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 38
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 14.85
Volumetric Flow Rate(Nm^3/hr.)	: 1818519.56
Ambient Air Temperature, °C	: 16

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
19-01-2021
Reviewer

19-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101160534
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :16-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190662-A **NABL ULR No.** :TC592621000000610F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	33.21
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	115.76
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	155.739
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	3.0

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 15.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
19-01-2021
Reviewer

19-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2101160535
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :16-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190663-A **NABL ULR No.** :TC592621000000613F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 15-01-2021
Time of Monitoring	: 13:05 hrs to 13:43 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 652 MW
(c) Type of fuel used & its consumption	: Coal & 400 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 38
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 50
Flue Gas Velocity(m/s),Avg.	: 14.69
Volumetric Flow Rate(Nm^3/hr.)	: 1810064.94
Ambient Air Temperature, °C	: 16

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
19-01-2021
Reviewer

19-01-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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Test Report

Issued To	**Sample Reg. No.** :E01-2101160535
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :16-01-2021 **Report Date** :19-01-2021 **Report No.** :ICE-2101190663-A **NABL ULR No.** :TC592621000000613F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	30.97
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	132.33
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	175.06
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	3.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 15.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
19-01-2021
Reviewer

19-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101250790
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :25-01-2021 **Report Date** :28-01-2021 **Report No.** :ICE-2101280898-A **NABL ULR No.** :TC592621000000905F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 22-01-2021
Time of Monitoring	: 12:22 hrs to 13:00 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 652 MW
(c) Type of fuel used & its consumption	: Coal & 382 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 38
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 50
Flue Gas Velocity(m/s),Avg.	: 14.87
Volumetric Flow Rate(Nm^3/hr.)	: 1842242.69
Ambient Air Temperature, °C	: 18

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
28-01-2021
Reviewer

28-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101250790
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :25-01-2021 **Report Date** :28-01-2021 **Report No.** :ICE-2101280898-A **NABL ULR No.** :TC592621000000905F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	26.57
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	158.98
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	110.36
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 22.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
28-01-2021
Reviewer

28-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2101250791
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :25-01-2021 **Report Date** :28-01-2021 **Report No.** :ICE-2101280896-A **NABL ULR No.** :TC592621000000906F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 22-01-2021
Time of Monitoring	: 11:30 hrs to 12:13 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 394 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 43
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 55
Flue Gas Velocity(m/s),Avg.	: 13.54
Volumetric Flow Rate(Nm^3/hr.)	: 1654897.96
Ambient Air Temperature, °C	: 18

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
28-01-2021
Reviewer

28-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101250791
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :25-01-2021 **Report Date** :28-01-2021 **Report No.** :ICE-2101280896-A **NABL ULR No.** :TC592621000000906F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	29.24
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	139.64
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	109.67
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 22.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
28-01-2021
Reviewer

28-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101300968
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020104-A **NABL ULR No.** :TC592621000001205F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 29-01-2021
Time of Monitoring	: 11:10 hrs to 11:44 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 652 MW
(c) Type of fuel used & its consumption	: Coal & 395 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 16.42
Volumetric Flow Rate(Nm^3/hr.)	: 2025241.72
Ambient Air Temperature, °C	: 19

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101300968
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020104-A **NABL ULR No.** :TC592621000001205F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	31.99
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	139.86
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	98.87
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 29.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2101300969
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020112-A **NABL ULR No.** :TC592621000001206F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 29-01-2021
Time of Monitoring	: 12:00 hrs to 12:36 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 654 MW
(c) Type of fuel used & its consumption	: Coal & 391 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 15.86
Volumetric Flow Rate(Nm^3/hr.)	: 1950152.37
Ambient Air Temperature, °C	: 19

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2101300969
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :30-01-2021 **Report Date** :02-02-2021 **Report No.** :ICE-2102020112-A **NABL ULR No.** :TC592621000001206F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	30.80
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	127.86
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	110.74
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 29.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
02-02-2021
Reviewer

02-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250794 **Sample Reg. Date** :25-01-2021 **Report Date** :30-01-2021 **Report No.** :ICE-2101300993 **NABL ULR No.** :TC592621000001055F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016
General Information	
Name of the emission source monitored	: Stack Emission of DG Set
(a) Rated Capacity	: 1600 kVA
(b) Capacity on sampling day	: -
(c) Type of fuel used & its consumption	: HSD & 327 ltr/hr
(d) Normal operating schedule	: As per requirement
2. Stack Identification	: Stack attached to DG Set-1 (1600 kVA) Engine No. 16171
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 9.5
Diameter of the Stack(cm)	: 40
(6) Sampling Duration(minutes)	: 63
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: Not Applicable
(a) Status	: -
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations	
Flue Gas Temperature, °C,Avg.	: 298
Flue Gas Velocity(m/s),Avg.	: 16.26
Volumetric Flow Rate(Nm^3/hr.)	: 3725.94
Ambient Air Temperature, °C	: 17

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter,mg/Nm3(Corrected at 15 % O2)	IS:11255(P-1)	Max. 75	35.15
b.	Carbon Monoxide(CO),mg/Nm3(Corrected at 15 % O2)	IS:13270	Max. 150	80

Saurabh Sharma
30-01-2021
Reviewer

30-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250794 **Sample Reg. Date** :25-01-2021 **Report Date** :30-01-2021 **Report No.** :ICE-2101300993 **NABL ULR No.** :TC592621000001055F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen NO_x (as NO_2), ppmv (at 15% O_2), dry basis	IS:11255(P-7)	Max. 710	388.10
d.	Non Methane Hydrocarbon,mg/Nm3(Corrected at 15 % O2)	IS:13270	Max. 100	42
e.	Sulphur Dioxide(SO_2),mg/Nm3	IS:11255(P-2)	Not Specified	10.38

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016 , Sample collected by lab rep. on dated 22.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
30-01-2021
Reviewer

30-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250795 **Sample Reg. Date** :25-01-2021 **Report Date** :30-01-2021 **Report No.** :ICE-2101300994 **NABL ULR No.** :TC592621000001056F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016
General Information	
Name of the emission source monitored	: Stack Emission of DG Set
(a) Rated Capacity	: 1600 kVA
(b) Capacity on sampling day	: -
(c) Type of fuel used & its consumption	: HSD & 327 ltr/hr
(d) Normal operating schedule	: As per requirement
2. Stack Identification	: Stack attached to DG Set-2 (1600 kVA) Engine No. 16386
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 9.5
Diameter of the Stack(cm)	: 40
(6) Sampling Duration(minutes)	: 63
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: Not Applicable
(a) Status	: -
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations	
Flue Gas Temperature, °C,Avg.	: 295
Flue Gas Velocity(m/s),Avg.	: 16.54
Volumetric Flow Rate(Nm^3/hr.)	: 3810.12
Ambient Air Temperature, °C	: 17

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter,mg/Nm3(Corrected at 15 % O2)	IS:11255(P-1)	Max. 75	41.48
b.	Carbon Monoxide(CO),mg/Nm3(Corrected at 15 % O2)	IS:13270	Max. 150	82

Saurabh Sharma
30-01-2021
Reviewer

30-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250795 **Sample Reg. Date** :25-01-2021 **Report Date** :30-01-2021 **Report No.** :ICE-2101300994 **NABL ULR No.** :TC592621000001056F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen NO_x (as NO_2), ppmv (at 15% O_2), dry basis	IS:11255(P-7)	Max. 710	408.29
d.	Non Methane Hydrocarbon,mg/Nm3(Corrected at 15 % O2)	IS:13270	Max. 100	44
e.	Sulphur Dioxide(SO_2),mg/Nm3	IS:11255(P-2)	Not Specified	12.46

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016 , Sample collected by lab rep. on dated 22.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
30-01-2021
Reviewer

30-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080203 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140434 **NABL ULR No.** :TC592621000000474F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	ETP Outlet Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2+5 Ltr
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in cans
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	14-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 07.01.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080203 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140434 **NABL ULR No.** :TC592621000000474F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	ETP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA:2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	5.5-9	8.33
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	<1.0
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Max. 2100--	410
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Max. 250	44
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	11
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Zinc(As Zn)(mg/l)	IS: 3025 (P-2)	Max. 5.0	BLQ(LOQ : 0.05)
j.	Arsenic(as As)(mg/L)	IS: 3025 (P-2)	Max. 0.2	BLQ(LOQ : 0.05)
k.	Total Chromium as Cr(mg/L)	IS: 3025 (P-2)	Max. 2.0	BLQ(LOQ : 0.05)
l.	Iron(as Fe)(mg/l)	IS: 3025 (P-2)	Max. 3.0	BLQ(LOQ : 0.05)
m.	Bio Assay Test	IS:6582-1971	Minimum 90 % survival of fish was observed after 96 hours in 100 % effluent	100% survival of fishes was observed in 100% effluent after 96 hours
n.	Temperature(°C)	IS: 3025 (P-9)		24.8

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080203 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140434 **NABL ULR No.** :TC592621000000474F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

o.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:0.02)
p.	Phosphate as P (mg/l)	APHA-23rd Edition	Not Specified	0.10

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

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TC-5926

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080207 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140437 **NABL ULR No.** :TC592621000000469F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water (Plant)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2 Ltr
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	14-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 07.01.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080207 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140437 **NABL ULR No.** :TC592621000000469F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Plant)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.46
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	5
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	362
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	28
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	6
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2101080208 Sample Reg. Date :08-01-2021 Report Date :15-01-2021 Report No. :ICE-2101150462 NABL ULR No. :TC592621000000499F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per IS:EPA Act 1986/PCLS/2010	With Amendment No.(s):

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Plant).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr 100ml
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can & in plastic container
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	15-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 07.01.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

15-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
15-01-2021
Reviewer

15-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080208 Sample Reg. Date :08-01-2021 Report Date :15-01-2021 Report No. :ICE-2101150462 NABL ULR No. :TC592621000000499F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Plant).

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.10
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)		88
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)		22
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	59.1
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	6.2
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.18
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	23
b.	*E.coli*, (MPN/100ml)	APHA 23rd Edn 17-9221 E		13
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	13

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030

PART D : REMARKS :N/A

15-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
15-01-2021
Reviewer

15-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080211 **Sample Reg. Date** :08-01-2021 **Report Date** :14-01-2021 **Report No.** :ICE-2101140438 **NABL ULR No.** :TC592621000000470F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS: EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	14-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 07.01.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080211 Sample Reg. Date :08-01-2021 Report Date :14-01-2021 Report No. :ICE-2101140438 NABL ULR No. :TC592621000000470F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.08
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	58
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	708
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	80
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	22
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	1.2
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:0.1)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030

PART D : REMARKS :N/A

Saurabh Sharma
14-01-2021
Reviewer

14-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080212 **Sample Reg. Date** :08-01-2021 **Report Date** :15-01-2021 **Report No.** :ICE-2101150463 **NABL ULR No.** :TC592621000000501F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS: EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water (Township).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in plastic container
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	15-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 07.01.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

15-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
15-01-2021
Reviewer

15-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080212 Sample Reg. Date :08-01-2021 Report Date :15-01-2021 Report No. :ICE-2101150463 NABL ULR No. :TC592621000000501F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township).

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.12
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)		69
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)		43
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	77
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	14.4
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.38
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	120
b.	*E.coli.* (MPN/100ml)	APHA 23rd Edn 17-9221 E		94
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	70

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030

PART D : REMARKS : N/A

15-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
15-01-2021
Reviewer

15-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080217 **Sample Reg. Date** :08-01-2021 **Report Date** :16-01-2021 **Report No.** :ICE-2101160512 **NABL ULR No.** :TC592621000000542F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:BIS Specification IS:10500-2012	**With Amendment No.(s):**02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Ash Dyke/Lagoon)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	6 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	16-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. Mr. Sahil on 07.01.2021, Marked as Up Stream
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080217 Sample Reg. Date :08-01-2021 Report Date :16-01-2021 Report No. :ICE-2101160512 NABL ULR No. :TC592621000000542F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Colorless liquid

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	12
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	*
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	7.01
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	0.7
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	7676
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:2009)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080217 Sample Reg. Date :08-01-2021 Report Date :16-01-2021 Report No. :ICE-2101160512 NABL ULR No. :TC592621000000542F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	1.54
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	353.2
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	2788.5
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	1.8
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	261.7
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	0.22
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	41
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as $SO_{4)}$ (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	1041
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.05)

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080217 Sample Reg. Date :08-01-2021 Report Date :16-01-2021 Report No. :ICE-2101160512 NABL ULR No. :TC592621000000542F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	808
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	1960
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	2.05
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	0.003
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	BLQ(LOQ:0.002)
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure - SOP/ITC/EW/030, *Test not performed because sample is not safe for ingestion

PART D : REMARKS :N/A

*******End Of Report*******

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080218 **Sample Reg. Date** :08-01-2021 **Report Date** :16-01-2021 **Report No.** :ICE-2101160513 **NABL ULR No.** :TC592621000000541F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:BIS Specification IS:10500-2012	**With Amendment No.(s):**02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water (Ash Dyke/Lagoon)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	6 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	16-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. Mr. Sahil on 07.01.2021, Marked as Down Stream
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080218 **Sample Reg. Date** :08-01-2021 **Report Date** :16-01-2021 **Report No.** :ICE-2101160513 **NABL ULR No.** :TC592621000000541F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Colorless liquid

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	7
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	*
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	7.10
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	<0.5
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	5916
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:2009)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080218 Sample Reg. Date :08-01-2021 Report Date :16-01-2021 Report No. :ICE-2101160513 NABL ULR No. :TC592621000000541F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	1.52
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	290.4
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	1634
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	1.2
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not Applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	247.5
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	BLQ(LOQ:0.1)
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	1.4
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as SO_4) (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	603.3
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.05)

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2101080218 Sample Reg. Date :08-01-2021 Report Date :16-01-2021 Report No. :ICE-2101160513 NABL ULR No. :TC592621000000541F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	707
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	1744.4
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	1.51
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	0.002
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	BLQ(LOQ:0.002)
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure - SOP/ITC/EW/020, *Test not performed because sample is not safe for ingestion

PART D : REMARKS : N/A

*******End Of Report*******

16-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
16-01-2021
Reviewer

16-01-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101080219 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230823 NABL ULR No. :TC592621000000810F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per IS: BIS Specification IS:10500-2012	With Amendment No.(s): 02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	6 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	23-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample Collected by lab rep. Mr. Sahil on 07.01.2021, Sample from Village-Wajidpur
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080219 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230823 NABL ULR No. :TC592621000000810F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Ground Water

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	5
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	Agreeable
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	7.21
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	<0.5
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	1899
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:2009)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080219 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230823 NABL ULR No. :TC592621000000810F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	BLQ(LOQ:0.5)
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	169
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	427
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	1.2
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not Applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	41
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	BLQ(LOQ:0.1)
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	27
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as $SO_{4)}$ (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	240
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080219 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230823 NABL ULR No. :TC592621000000810F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	503
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	591
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	0.008
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	BLQ(LOQ:0.002)
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	BLQ(LOQ:0.002)
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	0.004
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/030

PART D : REMARKS :N/A

*******End Of Report*******

23-01-2021
Gaurav Khandelwal
|Authorized Signatory|

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
|Authorized Signatory|

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080220 **Sample Reg. Date** :08-01-2021 **Report Date** :23-01-2021 **Report No.** :ICE-2101230825 **NABL ULR No.** :TC592621000000793F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS: BIS Specification IS:10500-2012	**With Amendment No.(s):** 02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	6 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	23-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample Collected by lab rep. Mr. Sahil on 07.01.2021, Sample from Village-Jhamri
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080220 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230825 NABL ULR No. :TC592621000000793F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Ground Water

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	4
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	Agreeable
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	7.78
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	<0.5
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	1026
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:20 09)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080220 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230825 NABL ULR No. :TC592621000000793F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	BLQ(LOQ:0.5)
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	58.4
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	112.8
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	0.8
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not Applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	19.4
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	BLQ(LOQ:0.1)
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	23
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as $SO_{4)}$ (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	21
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.02)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080220 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230825 NABL ULR No. :TC592621000000793F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	585
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	226
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	BLQ(LOQ:0.002)
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	0.014
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	BLQ(LOQ:0.002)
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/030

PART D : REMARKS :N/A

*******End Of Report*******

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080221 **Sample Reg. Date** :08-01-2021 **Report Date** :23-01-2021 **Report No.** :ICE-2101230831 **NABL ULR No.** :TC592621000000803F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS: BIS Specification IS:10500-2012	**With Amendment No.(s):** 02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	Ground Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	6 Ltr 100ml
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	23-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample Collected by lab rep. Mr. Sahil on 07.01.2021, Sample from Village-Khanpur Khurd
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2101080221 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230831 NABL ULR No. :TC592621000000803F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Ground Water.

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	5
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	Agreeable
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	7.93
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	1.2
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	1811
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:2009)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101080221 **Sample Reg. Date** :08-01-2021 **Report Date** :23-01-2021 **Report No.** :ICE-2101230831 **NABL ULR No.** :TC592621000000803F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	BLQ(LOQ:0.5)
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	77
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	324.4
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	1.2
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not Applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	74.5
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	BLQ(LOQ:0.1)
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	1.3
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as SO_4) (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	303
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080221 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230831 NABL ULR No. :TC592621000000803F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	434
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	499
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	0.003
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	BLQ(LOQ:0.002)
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	0.003
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/030

PART D : REMARKS :N/A

*******End Of Report*******

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101080222 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230826 NABL ULR No. :TC592621000000798F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per IS:BIS Specification IS:10500-2012	With Amendment No.(s):02

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	Ground Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	6 Ltr 100ml
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can & in bottles
l)	Date of Receipt	08-01-2021
m)	Date of Start	08-01-2021
n)	Date of Completion	23-01-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample Collected by lab rep. Mr. Sahil on 07.01.2021, Sample from Village-Khanpur Kalan
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2101080222 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230826 NABL ULR No. :TC592621000000798F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

a.	Reference to sampling procedure, whenever applicable	: N/A
b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	Ground Water

S.No.	Test Parameter	Method	Acceptable Limit	Permissible Limit (Absence of Alternate Source)	Result
Test Details :					
1.	**Organoleptic &Physical Parameter**				
a.	Colour (Hazen)	IS:3025(Part4):1983(RA:2017)amd. no1	5 Max.	15 Max.	4
b.	Taste	IS:3025(Part 8):1984(RA:2017)	Agreeable	-	Agreeable
c.	Odour	IS:3025(Part 5):1983(RA:2017)	Agreeable	-	Agreeable
d.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-8.5	No relaxation	8.12
e.	Turbidity(NTU)	IS:3025(Part 10):1984(RA:2017)	1 Max.	5 Max.	0.5
f.	Total Dissolved Solids,(mg/L)	IS:3025(Part 16):1984(RA.2006)	500 Max.	2000 Max.	1265
2.	**Parameters Concerning Undesirable Substances in excess amount**				
a.	Aluminium as Al, (mg/L)	IS:3025(Part 55):RA2014	0.03 Max.	0.2 Max.	BLQ(LOQ:0.02)
b.	Ammonia (as total ammonia-N) (mg/l)	IS:3025(Part 34):1988(RA:2014)	0.5 Max.	No Relaxation	BLQ(LOQ:0.1)
c.	Anionic detergent(as MBAS),(mg/L)	IS:13428:2005(RA:2009)-Annex K	0.2 Max.	1.0 Max.	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To

Jhajjar Power Limited
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar
Jhajjar

Sample Reg. No. :E01-2101080222
Sample Reg. Date :08-01-2021
Report Date :23-01-2021
Report No. :ICE-2101230826
NABL ULR No. :TC592621000000798F
Customer Ref. No.:PO
Letter Dated :29.10.2020

d.	Barium (as Ba) (mg/l)	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	0.7 Max.	No relaxation	BLQ(LOQ:0.3)
e.	Boron (as B) (mg/l)	Apha 23rd Edn.2017-3120 B/IS:3025(Part 57):2004(RA:2017)	0.5 Max.	2.4 Max.	BLQ(LOQ:0.5)
f.	Calcium(as Ca), (mg/L)	IS:3025(Part 40):1991(RA:2014) amd no 1	75 Max.	200 Max.	15.4
g.	Chloramines (as Cl_2), (mg/L)	IS:3025(Part 26):1986 amd no 1(RA 2014)	4.0 Max.	No relaxation	BLQ(LOQ:0.02)
h.	Chloride(as Cl) (mg/l)	IS:3025(Part 32):1988(RA:2014)	250 Max.	1000 Max.	128.2
i.	Copper (as Cu) (mg/l)	IS:3025(P-65)	0.05 Max.	1.5 Max.	BLQ(LOQ:0.002)
j.	Fluoride as F (mg/l)	IS:3025(Part 60):2008 amd. no 1(RA:2013)	1.0 Max.	1.5 Max.	0.6
k.	Phenolic compounds (as C_6H_5OH), (mg/L)	IS:3025(P-43)	0.001 Max.	0.002 Max.	BLQ(LOQ:0.001)
l.	Free Residual Chlorine, (mg/L)	IS:3025(P-26)	0.2 Min.	1.0 Max.	Not Applicable
m.	Iron (as Fe) (mg/L)	IS:3025(Part 53):2003(RA:2014)	1.0 Max.	No relaxation	BLQ(LOQ:0.01)
n.	Magnesium as Mg (mg/L)	IS:3025(Part 46):1994 amd. no. 2(RA:2014)	30 Max.	100 Max.	5.7
o.	Manganese as Mn, (mg/L)	Apha 23rd Edn.2017-3125 B/IS:3025(Part 59):2004(RA:2017)	0.1 Max.	0.3 Max.	BLQ(LOQ:0.1)
p.	Mineral Oil, (mg/L)	Clause 6 of IS:3025(Part39)	0.5 Max.	No Relaxation	BLQ(LOQ: 0.01)
q.	Nitrate as NO_3 (mg/l)	IS:3025(Part 34):1988(RA:2014)	45 Max.	No Relaxation	BLQ(LOQ:1.0)
r.	Selenium (as Se) (mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
s.	Silver (as Ag) (mg/l)	IS:3025(P-65)	0.1 Max.	No Relaxation	BLQ(LOQ:0.002)
t.	Sulphate(as $SO_{4)}$ (mg/L)	IS:3025(Part 24):1986(RA:2014)	200 Max.	400 Max.	58
u.	Sulphide as H_2S, (mg/L)	IS:3025(Part 29)	0.05 Max.	No Relaxation	BLQ(LOQ:0.05)

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2101080222 Sample Reg. Date :08-01-2021 Report Date :23-01-2021 Report No. :ICE-2101230826 NABL ULR No. :TC592621000000798F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

v.	Total Alkalinity(as CaCO3)(mg/l)	IS:3025(Part 23)	200 Max.	600 Max.	536
w.	Total Hardness(as $CaCO_3$), (mg/L)	IS 3025 (Part 21)	200 Max.	600 Max.	61.4
x.	Zinc(as Zn)(mg/l)	IS:3025(P-65)	5 Max.	15 Max.	BLQ(LOQ:0.002)
3.	**Parameters Concerning Toxic Substances**				
a.	Cadmium(as Cd)(mg/l)	IS:3025(P-65)	0.003 Max.	No Relaxation	BLQ(LOQ:0.002)
b.	Cyanide(asCN)(mg/l)	IS:3025(Part 27)	0.05 Max.	No Relaxation	BLQ(LOQ:0.01)
c.	Lead(as Pb)(mg/l)	IS:3025(P-65)	0.01 Max.	No Relaxation	BLQ(LOQ:0.002)
d.	Mercury(as Hg)(mg/l)	IS:3025(P-65)	0.001 Max.	No Relaxation	BLQ(LOQ:0.001)
e.	Molybdenum(as Mo)(mg/l)	IS:3025(P-65)	0.07 Max.	No Relaxation	BLQ(LOQ:0.002)
f.	Nickel(as Ni) (mg/l)	IS:3025(P-65)	0.02 Max.	No Relaxation	BLQ(LOQ:0.002)
g.	Total Arsenic(as As)(mg/l)	IS:3025(P-65)	0.01 Max.	No relaxation	0.006
h.	Total Chromium(as Cr)(mg/l)	IS:3025(P-65)	0.05 Max.	No Relaxation	BLQ(LOQ:0.002)
4.	**Microbiological Tests**				
a.	*E.Coli/100 ml*	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent
b.	Total Coliform Count/100 ml	IS:15185(Membrane Filtration Method)	Shall not be detectable in any 100 ml sample	-	Absent

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/030

PART D : REMARKS :N/A

*******End Of Report*******

23-01-2021
Gaurav Khandelwal
[Authorized Signatory]

Vikrant
23-01-2021
Reviewer

23-01-2021
PremKumar
[Authorized Signatory]

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TC-5926

Test Report

Document QF : 2501

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101200688 **Sample Reg. Date** :20-01-2021 **Report Date** :22-01-2021 **Report No.** :ICE-2101220775 **NABL ULR No.** :TC592621000000743F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010
General Information	
Name of Sample	: Ambient Noise
Date of Monitoring	: 15-01-2021
Time of Monitoring	: Day & Night
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring

TEST RESULTS

Description

Description	Noise Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Location Name**			
a.	Near Gate No.1 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	55.8
b.	Near Gate No.1 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	45.2
c.	Near Gate No.2 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	56.5
d.	Near Gate No.2 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	49.1
e.	Near Gate No.3 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	63.7
f.	Near Gate No.3 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	57.0
g.	Near Guest House (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	52.9
h.	Near Guest House (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	46.9

Saurabh Sharma
22-01-2021
Reviewer

22-01-2021
PremKumar
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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101200688 **Sample Reg. Date** :20-01-2021 **Report Date** :22-01-2021 **Report No.** :ICE-2101220775 **NABL ULR No.** :TC592621000000743F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure : SOP/ITC/EW/056. Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
22-01-2021
Reviewer

22-01-2021
PremKumar
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Test Report

Issued To	Sample Reg. No. :E01-2101250796 Sample Reg. Date :25-01-2021 Report Date :01-02-2021 Report No. :ICE-2102010061 NABL ULR No. :TC592621000001170F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016
General Information	
Date of Monitoring	: 22-01-2021
Time of Monitoring	: 15:28 hrs
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring
Source of Noise Pollution Monitored	: DG Set-1(1600 kVA)
Engine No.	: 16171
Make	: MITSUBISHI HEAVY INDUSTRIES LTD.
Date of mfg of DG Set	: 04-2010
Date of Installation	: Not provided by party
Type approval No.	: Not provided by party
Pollution Control Device (if any)	: Acoustic Room
Stack Height from Ground level to Top,m	: 9.5
Stack Height from Roof level,m	: -
Location of noise Generating Source	: Ground Floor

TEST RESULTS

Description

Description	Noise DG Set-1 (1600 kVA) Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Open Door at 0.5 meter away from Acoustic Enclosure, dB (A)	CPCB Guidelines	--	98.3
b.	Closed Door at 0.5 meter away from Acoustic Enclosure, dB (A)	CPCB Guidelines	Max. 75.0	73.1
c.	Insertion Loss	CPCB Guidelines	Min. 25.0	25.2

Saurabh Sharma
01-02-2021
Reviewer

01-02-2021
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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250796 **Sample Reg. Date** :25-01-2021 **Report Date** :01-02-2021 **Report No.** :ICE-2102010061 **NABL ULR No.** :TC592621000001170F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016 , Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
01-02-2021
Reviewer

01-02-2021
PremKumar
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Test Report

Issued To	Sample Reg. No. :E01-2101250797 Sample Reg. Date :25-01-2021 Report Date :01-02-2021 Report No. :ICE-2102010062 NABL ULR No. :TC592621000001173F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016
General Information	
Date of Monitoring	: 22-01-2021
Time of Monitoring	: 16:25 hrs
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring
Source of Noise Pollution Monitored	: DG Set-2 (1600 kVA)
Engine No.	: 16386
Make	: MITSUBISHI HEAVY INDUSTRIES LTD.
Date of mfg of DG Set	: 05-2010
Date of Installation	: Not provided by party
Type approval No.	: Not provided by party
Pollution Control Device (if any)	: Acoustic Room
Stack Height from Ground level to Top,m	: 9.5
Stack Height from Roof level,m	: -
Location of noise Generating Source	: Ground Floor

TEST RESULTS

Description

Description	Noise DG Set-2 (1600 kVA) Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Open Door at 0.5 meter away from Acoustic Enclosure, dB (A)	CPCB Guidelines	--	98.0
b.	Closed Door at 0.5 meter away from Acoustic Enclosure, dB (A)	CPCB Guidelines	Max. 75.0	72.9
c.	Insertion Loss	CPCB Guidelines	Min. 25.0	25.1

Saurabh Sharma
01-02-2021
Reviewer

01-02-2021
PremKumar
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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101250797 **Sample Reg. Date** :25-01-2021 **Report Date** :01-02-2021 **Report No.** :ICE-2102010062 **NABL ULR No.** :TC592621000001173F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010,G.S.R 281(E),Dated- 07.03.2016 , Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
01-02-2021
Reviewer

01-02-2021
PremKumar
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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150515 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050153 **NABL ULR No.** :TC592621000002323F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 01-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1895.40
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.30
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.65
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88.32
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46.72
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
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Test Report

Issued To	**Sample Reg. No.** :E01-2102150515
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050153 **NABL ULR No.** :TC592621000002323F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150516 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050154 **NABL ULR No.** :TC592621000002311F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 01-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1795.64
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15.68
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22.87
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	114.17
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.13
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150516 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050154 **NABL ULR No.** :TC592621000002311F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150517 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050155 **NABL ULR No.** :TC592621000002297F **Customer Ref. No.** :- **Letter Dated** :-

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 01-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1888.93
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16.98
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	25.63
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	115.41
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	58.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150517 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050155 **NABL ULR No.** :TC592621000002297F **Customer Ref. No.**:- **Letter Dated** :-

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150518 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050158 **NABL ULR No.** :TC592621000002295F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 01-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1781.39
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.38
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11.88
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93.30
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150518 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050158 **NABL ULR No.** :TC592621000002295F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150519 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050159 **NABL ULR No.** :TC592621000002331F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 04-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1843.08
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11.87
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84.86
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45.87
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150519 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050159 **NABL ULR No.** :TC592621000002331F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150520 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050160 **NABL ULR No.** :TC592621000002309F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 04-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1849.48
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.28
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20.70
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	103.38
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	51.77
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150520
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050160 **NABL ULR No.** :TC592621000002309F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150521 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050173 **NABL ULR No.** :TC592621000002346F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 04-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1773.21
Avg. Ambient Temperature,°C	: 18

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15.17
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20.36
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	107.54
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.13
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102150521
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050173 **NABL ULR No.** :TC592621000002346F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150522 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050161 **NABL ULR No.** :TC592621000002302F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 04-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1922.82
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.09
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11.69
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95.64
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	53.87
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150522 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050161 **NABL ULR No.** :TC592621000002302F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150523 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050162 **NABL ULR No.** :TC592621000002303F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 08-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1936.17
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.83
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93.53
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49.66
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150523
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050162 **NABL ULR No.** :TC592621000002303F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150524 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050164 **NABL ULR No.** :TC592621000002304F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 08-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1808.03
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14.51
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	24.26
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	116.76
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	58.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150524
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050164 **NABL ULR No.** :TC592621000002304F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150525 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050174 **NABL ULR No.** :TC592621000002298F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 08-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1922.82
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.06
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17.42
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	105.78
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	53.87
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150525
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050174 **NABL ULR No.** :TC592621000002298F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150526 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050165 **NABL ULR No.** :TC592621000002300F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 08-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1871.88
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.89
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.26
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	97.55
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56.40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102150526
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050165 **NABL ULR No.** :TC592621000002300F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150527 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050166 **NABL ULR No.** :TC592621000002344F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 11-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1886.28
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.37
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11.86
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90.02
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49.24
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102150527
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050166 **NABL ULR No.** :TC592621000002344F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150528 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050163 **NABL ULR No.** :TC592621000002299F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 11-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1822.38
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.23
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14.33
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95.53
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.13
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150528 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050163 **NABL ULR No.** :TC592621000002299F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150529 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050157 **NABL ULR No.** :TC592621000002319F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village - Khanpur Khurd
Date of Monitoring	: 11-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1908.47
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	17.87
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	29.33
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	112.13
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	59.34
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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- If sample is not consumed during analysis,it will be stored as per required storage condition.

Issued To	**Sample Reg. No.** :E01-2102150529 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050157 **NABL ULR No.** :TC592621000002319F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150530 **Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050156 **NABL ULR No.** :TC592621000002342F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 11-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1892.83
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7.28
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.40
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91.29
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	47.98
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102150530
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050156 **NABL ULR No.** :TC592621000002342F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220854 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050148 **NABL ULR No.** :TC592621000002341F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 15-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1849.48
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11.07
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.42
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.27
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43.35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102220854
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050148 **NABL ULR No.** :TC592621000002341F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220855 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050149 **NABL ULR No.** :TC592621000002313F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 15-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1871.88
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11.41
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.68
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93.65
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57.66
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102220855 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050149 **NABL ULR No.** :TC592621000002313F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220856 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050170 **NABL ULR No.** :TC592621000002312F **Customer Ref. No.**:PO **Letter Dated** :129.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 15-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1922.82
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.37
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.66
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91.95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54.29
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220856 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050170 **NABL ULR No.** :TC592621000002312F **Customer Ref. No.**:PO **Letter Dated** :129.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220857 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050150 **NABL ULR No.** :TC592621000002347F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 15-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.35
Volume of air sampled,m3	: 1943.88
Avg. Ambient Temperature,°C	: 16

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.59
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.05
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87.45
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40.40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102220857 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050150 **NABL ULR No.** :TC592621000002347F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220858 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050172 **NABL ULR No.** :TC592621000002322F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 18-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1925.43
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.55
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.91
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82.68
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39.98
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102220858 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050172 **NABL ULR No.** :TC592621000002322F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102220859
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050151 **NABL ULR No.** :TC592621000002326F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 18-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1869.43
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13.07
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22.31
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	118.06
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57.24
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102220859 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050151 **NABL ULR No.** :TC592621000002326F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102220860
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050171 **NABL ULR No.** :TC592621000002339F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 18-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1907.28
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14.10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.86
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	97.68
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	53.87
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Issued To	**Sample Reg. No.** :E01-2102220860
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050171 **NABL ULR No.** :TC592621000002339F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220861 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050152 **NABL ULR No.** :TC592621000002333F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 18-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1882.33
Avg. Ambient Temperature,°C	: 17

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.70
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96.16
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56.39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Issued To	**Sample Reg. No.** :E01-2102220861 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050152 **NABL ULR No.** :TC592621000002333F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102271012
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060214 **NABL ULR No.** :TC592621000002361F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 22-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1868.35
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7.28
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.40
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.10
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	42.51
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271012 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060214 **NABL ULR No.** :TC592621000002361F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271013 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060215 **NABL ULR No.** :TC592621000002362F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 22-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1851.02
Avg. Ambient Temperature,°C	: 26

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.29
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	28.80
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	112.26
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.98
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102271013 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060215 **NABL ULR No.** :TC592621000002362F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271014 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060239 **NABL ULR No.** :TC592621000002378F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 22-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1869.79
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.29
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22.41
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96.16
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	58.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102271014
Jhajjar Power Limited	**Sample Reg. Date** :27-02-2021
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar	**Report Date** :06-03-2021
Jhajjar	**Report No.** :ICE-2103060239
	NABL ULR No. :TC592621000002378F
	Customer Ref. No.:PO
	Letter Dated :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271015 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060216 **NABL ULR No.** :TC592621000002365F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 22-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1841.67
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.32
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.69
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	98.39
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.13
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102271015
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060216 **NABL ULR No.** :TC592621000002365F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271016 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060217 **NABL ULR No.** :TC592621000002367F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 25-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1849.48
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11.90
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.59
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83.43
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49.24
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2102271016
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060217 **NABL ULR No.** :TC592621000002367F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271017 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060241 **NABL ULR No.** :TC592621000002380F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 25-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1882.50
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14.24
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	24.60
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	98.38
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57.24
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271017 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060241 **NABL ULR No.** :TC592621000002380F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102271018
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060240 **NABL ULR No.** :TC592621000002383F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 25-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1841.67
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.63
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	19.15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	110.33
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57.24
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271018 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060240 **NABL ULR No.** :TC592621000002383F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271019 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060218 **NABL ULR No.** :TC592621000002368F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 25-02-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1869.79
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.45
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95.62
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56.82
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102271019 **Sample Reg. Date** :27-02-2021 **Report Date** :06-03-2021 **Report No.** :ICE-2103060218 **NABL ULR No.** :TC592621000002368F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-03-2021
Reviewer

06-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102080273
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-02-2021 **Report Date** :11-02-2021 **Report No.** :ICE-2102110369-A **NABL ULR No.** :TC592621000001417F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010
General Information	
Date of Monitoring	: 05-02-2021
Time of Monitoring	: 14:20 hrs to 14:53 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 480 MW
(c) Type of fuel used & its consumption	: Coal & 270 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations	
Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 17.50
Volumetric Flow Rate(Nm^3/hr.)	: 2149650.82
Ambient Air Temperature, °C	: 19

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
11-02-2021
Reviewer

11-02-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102080273
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-02-2021 **Report Date** :11-02-2021 **Report No.** :ICE-2102110369-A **NABL ULR No.** :TC592621000001417F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	22.73
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	127.64
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	121.22
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.6

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 05.02.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
11-02-2021
Reviewer

11-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102080274
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-02-2021 **Report Date** :11-02-2021 **Report No.** :ICE-2102110370 **NABL ULR No.** :TC592621000001423F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010
General Information	
Date of Monitoring	: 05-02-2021
Time of Monitoring	: 15:00 hrs to 15:34 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 490 MW
(c) Type of fuel used & its consumption	: Coal & 304 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations	
Flue Gas Temperature, °C,Avg.	: 50
Flue Gas Velocity(m/s),Avg.	: 16.42
Volumetric Flow Rate(Nm^3/hr.)	: 2023231.20
Ambient Air Temperature, °C	: 22

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
11-02-2021
Reviewer

11-02-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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Test Report

Issued To	**Sample Reg. No.** :E01-2102080274
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-02-2021 **Report Date** :11-02-2021 **Report No.** :ICE-2102110370 **NABL ULR No.** :TC592621000001423F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	25.19
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	151.66
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	130.46
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 05.02.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
11-02-2021
Reviewer

11-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102150536 **Sample Reg. Date** :15-02-2021 **Report Date** :10-03-2021 **Report No.** :ICE-2103100313 **NABL ULR No.** :TC592621000002449F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 12-02-2021
Time of Monitoring	: 12:50 hrs to 13:26 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 640 MW
(c) Type of fuel used & its consumption	: Coal & 370 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 54
Flue Gas Velocity(m/s),Avg.	: 16.22
Volumetric Flow Rate(Nm^3/hr.)	: 1982219.85
Ambient Air Temperature, °C	: 22

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
10-03-2021
Reviewer

10-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102150536
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :10-03-2021 **Report No.** :ICE-2103100313 **NABL ULR No.** :TC592621000002449F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	26.44
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	117.23
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	193.80
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ (LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	4.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 12.02.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
10-03-2021
Reviewer

10-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102150537
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :10-03-2021 **Report No.** :ICE-2103100314 **NABL ULR No.** :TC592621000002450F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 12-02-2021
Time of Monitoring	: 14:10 hrs to 14:44 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 610 MW
(c) Type of fuel used & its consumption	: Coal & 349 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 16.80
Volumetric Flow Rate(Nm^3/hr.)	: 2065735.17
Ambient Air Temperature, °C	: 25

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
10-03-2021
Reviewer

10-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102150537
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-02-2021 **Report Date** :10-03-2021 **Report No.** :ICE-2103100314 **NABL ULR No.** :TC592621000002450F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	25.34
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	128.69
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	208.20
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ (LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	5.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 12.02.2021, Sampling Procedure - SOP/ITC/EW/056, Sample collected by lab rep. on dated 08.01.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
10-03-2021
Reviewer

10-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220852 **Sample Reg. Date** :22-02-2021 **Report Date** :25-02-2021 **Report No.** :ICE-2102250918 **NABL ULR No.** :TC592621000001963F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 18-02-2021
Time of Monitoring	: 15:15 hrs to 15:51 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 627 mW
(c) Type of fuel used & its consumption	: Coal & 385 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 16.24
Volumetric Flow Rate(Nm^3/hr.)	: 2003040.54
Ambient Air Temperature, °C	: 23

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
25-02-2021
Reviewer

25-02-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102220852
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :25-02-2021 **Report No.** :ICE-2102250918 **NABL ULR No.** :TC592621000001963F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	34.21
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	151.68
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	189.08
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	5.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Sample collected by lab rep. on dated 18.02.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-02-2021
Reviewer

25-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102271011
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :04-03-2021 **Report No.** :ICE-2103040087 **NABL ULR No.** :TC592621000002246F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010
General Information	
Date of Monitoring	: 26-02-2021
Time of Monitoring	: 11:15 hrs to 11:47 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 660 MW
(c) Type of fuel used & its consumption	: Coal & 360 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 32
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil
Observations	
Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 17.60
Volumetric Flow Rate(Nm^3/hr.)	: 2164103.52
Ambient Air Temperature, °C	: 26

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
04-03-2021
Reviewer

04-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102271011
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-02-2021 **Report Date** :04-03-2021 **Report No.** :ICE-2103040087 **NABL ULR No.** :TC592621000002246F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	33.22
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	158.89
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	187.61
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ (LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	5.0

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 26.02.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
04-03-2021
Reviewer

04-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220830 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050197 **NABL ULR No.** :TC592621000002328F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	ETP Outlet Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2+5 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in cans
l)	Date of Receipt	22-02-2021
m)	Date of Start	22-02-2021
n)	Date of Completion	05-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.02.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220830 **Sample Reg. Date** :22-02-2021 **Report Date** :05-03-2021 **Report No.** :ICE-2103050197 **NABL ULR No.** :TC592621000002328F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	ETP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	5.5-9	8.18
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	<1.0
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Max. 2100--	394
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Max. 250	8
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	2
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Zinc(As Zn)(mg/l)	IS: 3025 (P-2)	Max. 5.0	BLQ(LOQ : 0.05)
j.	Arsenic(as As)(mg/L)	IS: 3025 (P-2)	Max. 0.2	BLQ(LOQ : 0.05)
k.	Total Chromium as Cr(mg/L)	IS: 3025 (P-2)	Max. 2.0	BLQ(LOQ : 0.05)
l.	Cyanide as CN, (mg/L)	IS:3025(P-27)	Max. 0.2	Absent
m.	Iron(as Fe)(mg/l)	IS: 3025 (P-2)	Max. 3.0	BLQ(LOQ : 0.05)
n.	Bio Assay Test	IS:6582-1971	Minimum 90 % survival of fish was observed after 96 hours in 100 % effluent	100 % survival of fish was observed after 96 hours in 100 % effluent

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2102220830
Jhajjar Power Limited	**Sample Reg. Date** :22-02-2021
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar	**Report Date** :05-03-2021
Jhajjar	**Report No.** :ICE-2103050197
	NABL ULR No. :TC592621000002328F
	Customer Ref. No.:PO
	Letter Dated :29.10.2020

o.	Temperature(°C)	IS: 3025 (P-9)	Not Specified	23.1
p.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:1.0)
q.	Phosphate as P (mg/l)	APHA-23rd Edition	Not Specified	BLQ(LOQ:0.1)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
05-03-2021
Reviewer

05-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102220834
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030073 **NABL ULR No.** :TC592621000002218F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Plant)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-02-2021
m)	Date of Start	22-02-2021
n)	Date of Completion	03-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.02.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220834 **Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030073 **NABL ULR No.** :TC592621000002218F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water(Plant)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.62
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	10
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	354
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	18
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	5
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102220835
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030074 **NABL ULR No.** :TC592621000002217F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Plant).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr 100ml
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in bottles & in plastic container
l)	Date of Receipt	22-02-2021
m)	Date of Start	22-02-2021
n)	Date of Completion	03-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.02.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

02-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220835 **Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030074 **NABL ULR No.** :TC592621000002217F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP outlet water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.18
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)	Not Specified	79
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)	Not Specified	33
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	48.7
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	7.2
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.19
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	33
b.	*E.coli,* (MPN/100ml)	APHA 23rd Edn 17-9221 E	Not Specified	17
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	46

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

02-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2102220838
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030077 **NABL ULR No.** :TC592621000002222F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-02-2021
m)	Date of Start	22-02-2021
n)	Date of Completion	03-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.02.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220838 **Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030077 **NABL ULR No.** :TC592621000002222F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Greyish
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	Musty
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.08
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	21
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	794
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	19
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	5
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	0.2
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220839 **Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030078 **NABL ULR No.** :TC592621000002223F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr 100ml
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in botles & in plastic container
l)	Date of Receipt	22-02-2021
m)	Date of Start	22-02-2021
n)	Date of Completion	03-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.02.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

02-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102220839 **Sample Reg. Date** :22-02-2021 **Report Date** :03-03-2021 **Report No.** :ICE-2103030078 **NABL ULR No.** :TC592621000002223F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP outlet water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.2
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)	Not Specified	76
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)	Not Specified	44
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	60.8
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	10.2
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.32
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	110
b.	*E.coli,* (MPN/100ml)	APHA 23rd Edn 17-9221 E	Not Specified	110
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	140

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

02-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
03-03-2021
Reviewer

03-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102160556 **Sample Reg. Date** :16-02-2021 **Report Date** :18-02-2021 **Report No.** :ICE-2102180589 **NABL ULR No.** :TC592621000001680F **Customer Ref. No.**:PO **Letter Dated** :29.10.2021

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of Sample	: Ambient Noise
Date of Monitoring	: 12-02-2021
Time of Monitoring	: Day & Night
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring

TEST RESULTS

Description

Description	Noise Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Location Name**			
a.	Near Gate No.1 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	71.2
b.	Near Gate No.1 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	68.3
c.	Near Gate No.2 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	70.0
d.	Near Gate No.2 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	68.4
e.	Near Gate No.3 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	67.4
f.	Near Gate No.3 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	64.4
g.	Near Guest House (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	60.1
h.	Near Guest House (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	59.3

Saurabh Sharma
18-02-2021
Reviewer

18-02-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2102160556 **Sample Reg. Date** :16-02-2021 **Report Date** :18-02-2021 **Report No.** :ICE-2102180589 **NABL ULR No.** :TC592621000001680F **Customer Ref. No.**:PO **Letter Dated** :29.10.2021

i.	Near D Block (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	60.8
j.	Near D Block (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	60.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure : SOP/ITC/EW/056.
Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
18-02-2021
Reviewer

18-02-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080256 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231012 **NABL ULR No.** :TC592621000002972F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 01-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1890.23
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7.42
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.22
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.60
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	42.09
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Test Report

Issued To	**Sample Reg. No.** :E01-2103080256
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231012 **NABL ULR No.** :TC592621000002972F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080257 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231014 **NABL ULR No.** :TC592621000002973F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 01-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1890.23
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14.02
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.43
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	101.47
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52.19
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103080257
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231014 **NABL ULR No.** :TC592621000002973F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080258 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231013 **NABL ULR No.** :TC592621000002977F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 01-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1903.14
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.28
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	104.77
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56.37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2103080258
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231013 **NABL ULR No.** :TC592621000002977F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080259 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231018 **NABL ULR No.** :TC592621000002978F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 01-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1855.73
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12.43
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91.34
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	47.98
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103080259 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231018 **NABL ULR No.** :TC592621000002978F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080260 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231015 **NABL ULR No.** :TC592621000002976F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 04-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1858.25
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	4.95
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	7.78
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	80.24
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	36.62
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2103080260
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231015 **NABL ULR No.** :TC592621000002976F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080261 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231016 **NABL ULR No.** :TC592621000002975F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 04-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1883.85
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12.86
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95.28
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49.66
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103080261
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231016 **NABL ULR No.** :TC592621000002975F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080262 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231017 **NABL ULR No.** :TC592621000002979F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 04-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1890.23
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14.84
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20.45
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	97.92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	53.03
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Issued To	**Sample Reg. No.** :E01-2103080262
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231017 **NABL ULR No.** :TC592621000002979F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******



Saurabh Sharma
23-03-2021
Reviewer



23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080263 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231019 **NABL ULR No.** :TC592621000002974F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 04-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1885.06
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6.57
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9.18
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82.07
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35.35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080263 **Sample Reg. Date** :08-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231019 **NABL ULR No.** :TC592621000002974F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190657 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251098 **NABL ULR No.** :TC592621000003028F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 08-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1817.12
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7.55
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11.29
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.13
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39.14
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190657 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251098 **NABL ULR No.** :TC592621000003028F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190658 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251099 **NABL ULR No.** :TC592621000003030F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 08-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1838.73
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.11
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.92
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96.64
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	53.87
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	**Sample Reg. No.** :E01-2103190658 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251099 **NABL ULR No.** :TC592621000003030F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190659 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251100 **NABL ULR No.** :TC592621000003031F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 08-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1829.07
Avg. Ambient Temperature,°C	: 30

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.36
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	103.11
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.13
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103190659
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251100 **NABL ULR No.** :TC592621000003031F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190660 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251101 **NABL ULR No.** :TC592621000003032F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 08-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1866.02
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13.15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88.91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48.82
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103190660
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251101 **NABL ULR No.** :TC592621000003032F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190661 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251102 **NABL ULR No.** :TC592621000003035F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 11-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1886.40
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5.77
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	7.49
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	78.46
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35.35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190661 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251102 **NABL ULR No.** :TC592621000003035F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190662 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251103 **NABL ULR No.** :TC592621000003033F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 11-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1833.47
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15.05
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21.62
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90.21
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45.88
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103190662 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251103 **NABL ULR No.** :TC592621000003033F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190663 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251104 **NABL ULR No.** :TC592621000003036F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 11-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1864.55
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13.14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21.24
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93.69
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52.19
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103190663 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251104 **NABL ULR No.** :TC592621000003036F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190664 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251105 **NABL ULR No.** :TC592621000003034F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 11-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1849.48
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	4.98
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9.14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84.38
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39.14
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103190664 **Sample Reg. Date** :19-03-2021 **Report Date** :25-03-2021 **Report No.** :ICE-2103251105 **NABL ULR No.** :TC592621000003034F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
25-03-2021
Reviewer

25-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220744 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271281 **NABL ULR No.** :TC592621000003159F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 15-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1837.11
Avg. Ambient Temperature,°C	: 26

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.03
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.34
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82.36
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	38.30
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220744 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271281 **NABL ULR No.** :TC592621000003159F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220745 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271282 **NABL ULR No.** :TC592621000003160F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 15-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1864.95
Avg. Ambient Temperature,°C	: 26

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11.71
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14.61
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90.87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48.82
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103220745
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271282 **NABL ULR No.** :TC592621000003160F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220746 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271283 **NABL ULR No.** :TC592621000003161F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 15-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1838.73
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16.84
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20.16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90.12
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103220746 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271283 **NABL ULR No.** :TC592621000003161F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220747 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271284 **NABL ULR No.** :TC592621000003125F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 15-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1858.73
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6.71
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.41
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81.45
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	36.62
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220747 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271284 **NABL ULR No.** :TC592621000003125F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220748 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060165 **NABL ULR No.** :TC592621000003391F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 18-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1844.86
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.07
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13.63
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	86.78
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45.03
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220748 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060165 **NABL ULR No.** :TC592621000003391F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220749 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060166 **NABL ULR No.** :TC592621000003392F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 18-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1841.22
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15.95
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21.11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	103.95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55.98
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	**Sample Reg. No.** :E01-2103220749 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060166 **NABL ULR No.** :TC592621000003392F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220750 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060167 **NABL ULR No.** :TC592621000003393F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 18-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1864.95
Avg. Ambient Temperature,°C	: 26

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.20
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21.62
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	109.28
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	57.66
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220750 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060167 **NABL ULR No.** :TC592621000003393F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2103220751
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060168 **NABL ULR No.** :TC592621000003394F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 18-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1830.99
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.23
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12.17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.36
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40.40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ (LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103220751 **Sample Reg. Date** :22-03-2021 **Report Date** :06-04-2021 **Report No.** :ICE-2104060168 **NABL ULR No.** :TC592621000003394F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ (LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ (LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
06-04-2021
Reviewer

06-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010019 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080218 **NABL ULR No.** :TC592621000003467F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 22-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1858.73
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.39
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12.02
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	79.57
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37.04
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	**Sample Reg. No.** :E01-2104010019 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080218 **NABL ULR No.** :TC592621000003467F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2104010020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080219 **NABL ULR No.** :TC592621000003471F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 22-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1844.86
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.59
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18.91
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	100.44
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	56.40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010020 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080219 **NABL ULR No.** :TC592621000003471F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010021 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080220 **NABL ULR No.** :TC592621000003468F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 22-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1858.73
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10.07
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15.39
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95.66
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	51.77
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010021 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080220 **NABL ULR No.** :TC592621000003468F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010022 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080221 **NABL ULR No.** :TC592621000003473F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 22-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1841.22
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8.39
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.41
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87.12
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37.88
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010022 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080221 **NABL ULR No.** :TC592621000003473F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010023 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080222 **NABL ULR No.** :TC592621000003470F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 25-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1846.42
Avg. Ambient Temperature,°C	: 29

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5.90
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83.57
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39.14
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010023 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080222 **NABL ULR No.** :TC592621000003470F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2104010024
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080223 **NABL ULR No.** :TC592621000003475F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 25-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.33
Volume of air sampled,m3	: 1841.22
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15.11
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22.43
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	108.19
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54.29
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010024 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080223 **NABL ULR No.** :TC592621000003475F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010025 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080224 **NABL ULR No.** :TC592621000003477F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 25-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1858.73
Avg. Ambient Temperature,°C	: 27

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12.59
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17.88
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	98.88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50.08
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2104010025
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080224 **NABL ULR No.** :TC592621000003477F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2104010026
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080225 **NABL ULR No.** :TC592621000003476F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 25-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1852.55
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5.90
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9.27
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82.43
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	34.09
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010026 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080225 **NABL ULR No.** :TC592621000003476F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010027 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080226 **NABL ULR No.** :TC592621000003474F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 29-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1842.82
Avg. Ambient Temperature,°C	: 30

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5.07
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	8.42
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	75.54
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	32.83
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2104010027 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080226 **NABL ULR No.** :TC592621000003474F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2104010028
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080227 **NABL ULR No.** :TC592621000003472F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009

General Information

Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 29-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1840.33
Avg. Ambient Temperature,°C	: 30

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.30
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16.83
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	94.76
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49.66
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010028 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080227 **NABL ULR No.** :TC592621000003472F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010029 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080228 **NABL ULR No.** :TC592621000003469F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 29-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1840.33
Avg. Ambient Temperature,°C	: 30

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7.61
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92.92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54.29
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010029 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080228 **NABL ULR No.** :TC592621000003469F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010030 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080229 **NABL ULR No.** :TC592621000003466F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 29-03-2021
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.34
Volume of air sampled,m3	: 1852.55
Avg. Ambient Temperature,°C	: 28

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9.27
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10.74
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85.61
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35.77
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2104010030 **Sample Reg. Date** :01-04-2021 **Report Date** :08-04-2021 **Report No.** :ICE-2104080229 **NABL ULR No.** :TC592621000003466F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-04-2021
Reviewer

08-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2103080254
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-03-2021 **Report Date** :12-03-2021 **Report No.** :ICE-2103120341 **NABL ULR No.** :TC592621000002489F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 05-03-2021
Time of Monitoring	: 11:50 hrs to 12:24 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 370 Ton/day
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 50
Flue Gas Velocity(m/s),Avg.	: 16.33
Volumetric Flow Rate(Nm^3/hr.)	: 2020376.86
Ambient Air Temperature, °C	: 28

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
12-03-2021
Reviewer

12-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103080254 **Sample Reg. Date** :08-03-2021 **Report Date** :12-03-2021 **Report No.** :ICE-2103120341 **NABL ULR No.** :TC592621000002489F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	28.64
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	133.95
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	185.70
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	5.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 05.03.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
12-03-2021
Reviewer

12-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2103150514
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-03-2021 **Report Date** :18-03-2021 **Report No.** :ICE-2103180645 **NABL ULR No.** :TC592621000002742F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 12-03-2021
Time of Monitoring	: 10:30 hrs to 11:03 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 660 MW
(c) Type of fuel used & its consumption	: Coal & 400 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 53
Flue Gas Velocity(m/s),Avg.	: 17.21
Volumetric Flow Rate(Nm^3/hr.)	: 2109657.69
Ambient Air Temperature, °C	: 24

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
18-03-2021
Reviewer

18-03-2021
PremKumar
[Authorized Signatory]

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(A Government Approved Test House)
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Test Report

Issued To

Jhajjar Power Limited
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar
Jhajjar

Sample Reg. No. :E01-2103150514
Sample Reg. Date :15-03-2021
Report Date :18-03-2021
Report No. :ICE-2103180645
NABL ULR No. :TC592621000002742F
Customer Ref. No.:PO
Letter Dated :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	33.42
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	156.29
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	173.40
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	6.0

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 12.03.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
18-03-2021
Reviewer

18-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2103200681
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :20-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231006 **NABL ULR No.** :TC592621000002943F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 19-03-2021
Time of Monitoring	: 11:35 hrs to 12:08 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 657 MW
(c) Type of fuel used & its consumption	: Coal & 400 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler,Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 19.06
Volumetric Flow Rate(Nm^3/hr.)	: 2341276.85
Ambient Air Temperature, °C	: 28

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2103200681
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :20-03-2021 **Report Date** :23-03-2021 **Report No.** :ICE-2103231006 **NABL ULR No.** :TC592621000002943F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	34.24
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	166.62
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	182.54
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ (LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	6.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 19.03.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
23-03-2021
Reviewer

23-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2103270970
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-03-2021 **Report Date** :01-04-2021 **Report No.** :ICE-2104010002 **NABL ULR No.** :TC592621000003218F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Date of Monitoring	: 26-03-2021
Time of Monitoring	: 11:50 hrs to 12:23 hrs
Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 628 MW
(c) Type of fuel used & its consumption	: Coal & 368 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter'a height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 17.22
Volumetric Flow Rate(Nm^3/hr.)	: 2114501.68
Ambient Air Temperature, °C	: 27

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			

Saurabh Sharma
01-04-2021
Reviewer

01-04-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2103270970
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-03-2021 **Report Date** :01-04-2021 **Report No.** :ICE-2104010002 **NABL ULR No.** :TC592621000003218F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

a.	Particulate Matter, mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-1)	Max. 50	33.63
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-2)	Max. 200	153.71
c.	Oxides of Nitrogen (NO_x), mg/Nm^3 (Corrected to 6% O_2 on dry basis)	IS:11255(P-7)	Max. 450	169.61
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	5.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 26.03.2021, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
01-04-2021
Reviewer

01-04-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220722 **Sample Reg. Date** :22-03-2021 **Report Date** :31-03-2021 **Report No.** :ICE-2103311458 **NABL ULR No.** :TC592621000003209F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	ETP Outlet Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2+5 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in cans
l)	Date of Receipt	22-03-2021
m)	Date of Start	22-03-2021
n)	Date of Completion	31-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.03.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
31-03-2021
Reviewer

31-03-2021
PremKumar
[Authorized Signatory]

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Issued To	**Sample Reg. No.** :E01-2103220722
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :22-03-2021 **Report Date** :31-03-2021 **Report No.** :ICE-2103311458 **NABL ULR No.** :TC592621000003209F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	ETP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	5.5-9	7.94
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	<1.0
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Max. 2100--	435
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Max. 250	16
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	4
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Zinc(As Zn)(mg/l)	IS: 3025 (P-2)	Max. 5.0	BLQ(LOQ:0.05)
j.	Arsenic(as As)(mg/L)	IS: 3025 (P-2)	Max. 0.2	BLQ(LOQ:0.05)
k.	Total Chromium as Cr(mg/L)	IS: 3025 (P-2)	Max. 2.0	BLQ(LOQ:0.05)
l.	Cyanide as CN, (mg/L)	IS:3025(P-27)	Max. 0.2	Absent
m.	Iron(as Fe)(mg/l)	IS: 3025 (P-2)	Max. 3.0	BLQ(LOQ:0.05)
n.	Bio Assay Test	IS:6582-1971	Minimum 90 % survival of fish was observed after 96 hours in 100 % effluent	100% survival of fishes was observed in 100% effluent after 96 hours

Saurabh Sharma
31-03-2021
Reviewer

31-03-2021
PremKumar
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2103220722
Jhajjar Power Limited	**Sample Reg. Date** :22-03-2021
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar	**Report Date** :31-03-2021
Jhajjar	**Report No.** :ICE-2103311458
	NABL ULR No. :TC592621000003209F
	Customer Ref. No.:PO
	Letter Dated :29.10.2020

o.	Temperature(°C)	IS: 3025 (P-9)		23
p.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:1.0)
q.	Phosphate as P (mg/l)	APHA-23rd Edition	Not Specified	BLQ(LOQ:0.1)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
31-03-2021
Reviewer

31-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220726 **Sample Reg. Date** :22-03-2021 **Report Date** :26-03-2021 **Report No.** :ICE-2103261218 **NABL ULR No.** :TC592621000003089F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Plant)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-03-2021
m)	Date of Start	22-03-2021
n)	Date of Completion	26-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.03.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
26-03-2021
Reviewer

26-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220726 **Sample Reg. Date** :22-03-2021 **Report Date** :26-03-2021 **Report No.** :ICE-2103261218 **NABL ULR No.** :TC592621000003089F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Plant)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.67
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	7
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	627
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	20
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	6
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

Saurabh Sharma
26-03-2021
Reviewer

26-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220727 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271312 **NABL ULR No.** :TC592621000003154F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Plant).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-03-2021
m)	Date of Start	22-03-2021
n)	Date of Completion	27-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.03.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

27-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220727 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271312 **NABL ULR No.** :TC592621000003154F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Plant).

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.11
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)		86
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)		39
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	53.1
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	12.8
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.12
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	11
b.	*E.coli,* (MPN/100ml)	APHA 23rd Edn 17-9221 E		<1.8
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	21

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

27-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

Disclaimer :
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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220730 **Sample Reg. Date** :22-03-2021 **Report Date** :26-03-2021 **Report No.** :ICE-2103261220 **NABL ULR No.** :TC592621000003091F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-03-2021
m)	Date of Start	22-03-2021
n)	Date of Completion	26-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.03.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Saurabh Sharma
26-03-2021
Reviewer

26-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
Visit us : www.itclabs.com **Email :** customersupport@itclabs.com

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220730 **Sample Reg. Date** :22-03-2021 **Report Date** :26-03-2021 **Report No.** :ICE-2103261220 **NABL ULR No.** :TC592621000003091F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.90
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	24
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	881
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	35
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	10
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	0.4
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

Saurabh Sharma
26-03-2021
Reviewer

26-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220731 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271314 **NABL ULR No.** :TC592621000003157F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township).
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	22-03-2021
m)	Date of Start	22-03-2021
n)	Date of Completion	27-03-2021
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 18.03.2021
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

27-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103220731 **Sample Reg. Date** :22-03-2021 **Report Date** :27-03-2021 **Report No.** :ICE-2103271314 **NABL ULR No.** :TC592621000003157F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township).

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Nitrate as NO_3 (mg/l)	IS 3025 (Part 34)	Max. 10	0.12
b.	Calcium(as Ca)(mg/l)	IS:3025(P-40)	Not Specified	60
c.	Magnesium as Mg(mg/l)	IS:3025(Part-46)	Not Specified	28
d.	Sodium(as Na)(mg/l)	IS:3025(P-45)	Not Specified	70.4
e.	Potassium as K,(mg/L)	IS:3025(P-45)	Not Specified	12.4
f.	Phosphate(as PO_4), mg/L	APHA-23rd Edition	Max. 5.0	0.24
2.	**Microbiological Tests**			
a.	Faecal Coliform, MPN/100ml	APHA-23 rd Edn 17-9221 F	Max. 1000	<1.8
b.	*E.coli,* (MPN/100ml)	APHA 23rd Edn 17-9221 E	Not Specified	<1.8
c.	Total Coliform (MPN/100ml)	APHA-23 rd Edn 17-9221 F	Not Specified	21

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose - For Self monitoring

PART D : REMARKS :N/A

27-03-2021
Gaurav Khandelwal
[Authorized Signatory]

Saurabh Sharma
27-03-2021
Reviewer

27-03-2021
PremKumar
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2103150516 **Sample Reg. Date** :15-03-2021 **Report Date** :19-03-2021 **Report No.** :ICE-2103190661 **NABL ULR No.** :TC592621000002775F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of Sample	: Ambient Noise
Date of Monitoring	: 12-03-2021
Time of Monitoring	: Day & Night
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring

TEST RESULTS

Description

Description	Noise Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Location Name**			
a.	Near Gate No.1 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	72.4
b.	Near Gate No.1 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	70.3
c.	Near Gate No.2 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	71.7
d.	Near Gate No.2 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	69.3
e.	Near Gate No.3 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	66.3
f.	Near Gate No.3 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	63.3
g.	Near Guest House (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	60.0
h.	Near Guest House (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	58.3

Saurabh Sharma
19-03-2021
Reviewer

19-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Issued To	**Sample Reg. No.** :E01-2103150516 **Sample Reg. Date** :15-03-2021 **Report Date** :19-03-2021 **Report No.** :ICE-2103190661 **NABL ULR No.** :TC592621000002775F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

i.	Near D Block (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	60.1
j.	Near D Block (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	56.5

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure : SOP/ITC/EW/056.
Day Time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs

REMARKS :N/A

*******End Of Report*******

Saurabh Sharma
19-03-2021
Reviewer

19-03-2021
PremKumar
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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Annexure-IV

Quarterly Average Ash Content Report

Name of power plant	Capacity	Type of coal	Period	Average Ash Content (%)	Remarks
Mahatma Gandhi Thermal Power Plant, Jhajjar	1,320 MW (2x 660MW)	Linkage Domestic	Jan '21 to Mar '21	35.98%	Almost 100% of the generated ash has been utilized

Note: MGTPP's operates based on the domestic supplied under linkage provided by GOI/CIL subsidies. The entire coal burnt during the last quarter came though domestic coal supplied as per Fuel Supply Agreements (FSA) with 04 subsidiaries of Coal India Limited (CIL) viz. CCL, NCL, BCCL & ECL.

CLP India Information Classification: PROPRIETARY

The power of new standards

Our Ref : JPL/HSPCB/ENV/011059
Date : January 11, 2021

The Regional Officer
Haryana State Pollution Control Board
Regional Office, SCF No. 42 & 43, Shopping Centre,
Sector-6, Huda, Bahadurgarh
Tele Fax: 01276-267077
E-mail: hspcbrobdh@gmail.com

Subject: **Submission of Quarterly monitoring reports of MGTPP, Jhajjar Power Limited.**

Ref:
1. Environmental Clearance No.: J-13011/10/2008-IA.II(T) dated 24.04.2008
2. Consent to Operate Regd. No.: HSPCB/Consent/ 2816117JHACTO3583644 Dated:27/03/2017

Dear Sir,

As per above mentioned subject, please find the enclosed quarterly monitoring reports for submission.

Monitoring Reports of Air, Water& Noise of October 2020 - **Annexure I**
Monitoring Reports of Air, Water& Noise of November 2020 - **Annexure II**
Monitoring Reports of Air, Water& Noise of December 2020 - **Annexure II**

Quarterly Average Ash content in coal is provided in **Annexure IV**

We hope that JPL would continue to receive your cooperation in this regard to fulfill our commitment towards compliance of all the relevant environmental norms in the future.

Thanking you.

Yours faithfully,
For **Jhajjar Power Limited**

Bhaskar Bhattacharjee
Sr. Vice President – (O&M)

Enclosure: Annexure I, Annexure II, Annexure III and Annexure IV

Copy to: Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana.

Annexure-I

HARYANA TEST HOUSE
& Consultancy Services
GOVT. RECOGNISED LABORATORY

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)
Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

DOC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Report No: 201001018 **Date: 02.11.2020**

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Party's Ref No: 5030006809

Sample Description: Ambient-Air Quality Monitoring (24 Hrs) for the month of Oct, 2020

Test Results

S. N.		Location: Khanpur Village										Limits (CPCB)	Test Method
	Job Order No. & Unique Lab. Report No.	201001018	TC781120100013845F	201006043	TC781120100014014F	201010005	TC781120100014248F	201013046	TC781120100014329F	201017024	TC781120100014599F	201021102	TC781120100014925F	201023043	TC781120100015034F	201027012	TC781120100015256F	201030009	TC781120100015387F		
	Discipline Chemical, Group Atmospheric Pollution																				
	Date of sampling	01.10.20		05.10.20		08.10.20		12.10.20		15.10.20		19.10.20		22.10.20		26.10.20		29.10.20			
1	Particulate matter (PM_{10}), µg/m³	89.38		94.98		109.55		94.53		95.25		123.54		120.47		121.05		127.18		100	IS: 5182: (P-23) 2006
2	Particulate matter ($PM_{2.5}$), µg/m³	52.38		58.28		64.30		56.51		57.23		62.83		66.59		62.78		65.77		60	IS 5182 (P-23) 2006
3	Sulphur dioxide (SO_2), µg/m³	19.92		19.49		22.35		20.90		18.29		23.95		21.51		17.02		21.36		80	IS 5182 (P-2) 2001
4	Nitrogen dioxide (NO_2), µg/m³	34.81		36.20		35.87		36.24		35.35		35.36		40.62		38.21		39.96		80	IS 5182 (P-6) 2006
5	Carbon monoxide (CO), mg/m³	<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		2	IS 5182 (P-10)
6	Ozone (O_3), µg/m³	23.02		24.97		23.41		23.02		22.24		24.58		23.02		22.24		26.14		180	IS 5182 (P-9) 1974
7	Ammonia (NH_3), µg/m³	50.08		51.37		51.01		49.12		50.29		50.58		49.09		46.86		54.40		400	HTH/QF/5.4/2/ CH-02/07
8	Lead (Pb), µg/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-22) 2004
9	Nickel (Ni), ng/m³	< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		20	HTH/QF/5.4/2/ CH-02/09
10	Arsenic (As), ng/m³	< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		6	HTH/QF/5.4/2/ CH-02/09
11	Benzene (C6H6), µg/m³	< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		5	IS 5182 (P-11) 2006
12	Benzo(a) pyrene (BaP), ng/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-12) 2004

Note : Limit as per National Ambient Air Quality Standards Schedule- VIII, 2009.

Mgr. (Lab.)/ Sr. Chemist

Authorised Signatory

Note : 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Opinions/interpretations are valid for 7 days for Perishable items & 30 days for non-perishable items from the date of issue of test report.

HARYANA TEST HOUSE
& Consultancy Services
GOVT. RECOGNISED LABORATORY

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)
Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

DOC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Report No: 201001019

Date: 02.11.2020

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Party's Ref No: 5030006809

Sample Description: Ambient-Air Quality Monitoring (24 Hrs) for the month of Oct, 2020

Test Results

S. N.	Job Order No. & Unique Lab. Report No.	Location: Gate No. 3															Limits (CPCB)	Test Method
		201001019	TC781120100013846F	201006044	TC781120100014015F	201010036	TC781120100014249F	201013047	TC781120100014330F	201017025	TC781120100014600F	201021103	TC781120100014926F	201023044	TC781120100015035F	201027013	TC781120100015257F	201030010	TC781120100015388F	
	Discipline Chemical, Group Atmospheric Pollution																	
	Date of sampling	**01.10.20**		**05.10.20**		08.10.20		**12.10.20**		**15.10.20**		19.10.20		**22.10.20**		**26.10.20**		**29.10.20**			
1	Particulate matter (PM_{10}), µg/m³	102.89		106.92		117.09		107.26		114.08		147.38		160.10		152.47		152.13		100	IS: 5182: (P-23) 2006
2	Particulate matter ($PM_{2.5}$), µg/m³	57.28		64.52		69.61		63.08		63.37		69.67		66.80		69.10		71.43		60	IS 5182 (P-23) 2006
3	Sulphur dioxide (SO_2), µg/m³	22.68		21.52		22.62		23.25		19.96		23.26		22.53		22.04		23.73		80	IS 5182 (P-2) 2001
4	Nitrogen dioxide (NO_2), µg/m³	38.39		38.39		36.91		39.82		35.47		36.48		42.34		39.37		40.48		80	IS 5182 (P-6) 2006
5	Carbon monoxide (CO), mg/m³	1.15		1.15		<1.14		1.15		<1.14		<1.14		<1.14		<1.14		<1.14		2	IS 5182 (P-10)
6	Ozone (O_3), µg/m³	24.58		21.46		24.58		25.36		50.18		23.02		25.36		23.02		21.46		180	IS 5182 (P-9) 1974
7	Ammonia (NH_3), µg/m³	57.05		52.59		51.38		52.14		23.41		53.02		52.48		50.62		55.61		400	HTH/QF/5.4/2/CH -02/07
8	Lead (Pb), µg/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-22) 2004
9	Nickel (Ni), ng/m³	< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		20	HTH/QF/5.4/2/CH -02/09
10	Arsenic (As), ng/m³	< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		6	HTH/QF/5.4/2/CH -02/09
11	Benzene (C6H6), µg/m³	< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		5	IS 5182 (P-11) 2006
12	Benzo(a) pyrene (BaP), ng/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-12) 2004

Note : Limit as per National Ambient Air Quality Standards Schedule- VIII, 2009.

Mgr. (Lab.)/ Sr. Chemist

02.11.2020

Authorised Signatory

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Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousees@gmail.com, info@haryanatesthouse.net

DCC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Report No: 201001020 **Date: 02.11.2020**

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Party's Ref No: 5030006809

Sample Description: Ambient-Air Quality Monitoring (24 Hrs) for the month of Oct, 2020

Test Results

S. N.		Location: Township										Limits (CPCB)	Test Method
	Job Order No. & Unique Lab. Report No.	201001020	TC781120100013847F	201006045	TC781120100014016F	201010007	TC781120100014250F	201013048	TC781120100014331F	201017026	TC781120100014601F	201021104	TC781120100014927F	201023045	TC781120100015036F	201027014	TC781120100015258F	201030011	TC781120100015389F		
	Discipline Chemical, Group Atmospheric Pollution																				
	Date of sampling	**01.10.20**		**05.10.20**		**08.10.20**		**12.10.20**		**15.10.20**		**19.10.20**		**22.10.20**		**26.10.20**		**29.10.20**			
1	Particulate matter (PM_{10}), $\mu g/m^3$	91.13		92.55		112.68		104.16		95.73		121.14		123.90		135.40		126.45		100	IS: 5182: (P-23) 2006
2	Particulate matter ($PM_{2.5}$), $\mu g/m^3$	54.87		53.98		64.01		62.60		58.93		58.47		64.71		66.75		66.07		60	IS 5182 (P-23) 2006
3	Sulphur dioxide (SO_2), $\mu g/m^3$	18.14		20.16		20.90		21.26		18.95		21.64		22.49		19.21		21.07		80	IS 5182 (P-2) 2001
4	Nitrogen dioxide (NO_2), $\mu g/m^3$	35.08		38.48		34.74		38.95		35.59		39.01		39.19		38.65		37.54		80	IS 5182 (P-6) 2006
5	Carbon monoxide (CO), mg/m^3	<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		2	IS 5182 (P-10)
6	Ozone (O_3), $\mu g/m^3$	23.02		20.69		23.02		24.58		23.02		24.58		24.58		21.46		23.41		180	IS 5182 (P-9) 1974
7	Ammonia (NH_3), $\mu g/m^3$	51.94		51.35		47.07		50.25		49.88		53.76		49.67		51.01		49.73		400	HTH/QF/5.4/2/ CH-02/07
8	Lead (Pb), $\mu g/m^3$	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-22) 2004
9	Nickel (Ni), ng/m^3	< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		20	HTH/QF/5.4/2/ CH-02/09
10	Arsenic (As), ng/m^3	< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		6	HTH/QF/5.4/2/ CH-02/09
11	Benzene (C6H6), $\mu g/m^3$	< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		5	IS 5182 (P-11) 2006
12	Benzo(a) pyrene (BaP), ng/m^3	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-12) 2004

Note : Limit as per National Ambient Air Quality Standards Schedule- VIII, 2009.

Mgr. (Lab.)/ Sr. Chemist

02.11.2020

Authorised Signatory

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Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

DOC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Report No: 201001021 **Date: 02.11.2020**

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Party's Ref No: 5030006809

Sample Description: Ambient-Air Quality Monitoring (24 Hrs) for the month of Sept, 2020

Test Results

S. N.		Location: Shakti Vihar														Limits (CPCB)	Test Method
	Job Order No. & Unique Lab. Report No.	201001021	TC781120100013848F	201006046	TC781120100014017F	201010008	TC781120100014251F	201013049	TC781120100014332F	201017027	TC781120100014602F	201021105	TC781120100014928F	201023046	TC781120100015037F	201027015	TC781120100015259F	201030012	TC781120100015390F		
	Discipline Chemical, Group Atmospheric Pollution																
	Date of sampling	**01.10.20**		**05.10.20**		**08.10.20**		**12.10.20**		**15.10.20**		**19.10.20**		**22.10.20**		**26.10.20**		**29.10.20**			
1	Particulate matter (PM_{10}), µg/m³	89.27		89.18		107.48		110.83		102.91		125.34		116.71		129.93		122.62		100	IS: 5182: (P-23) 2006
2	Particulate matter ($PM_{2.5}$), µg/m³	58.46		46.43		55.82		63.35		57.56		62.95		63.98		63.21		69.71		60	IS 5182 (P-23) 2006
3	Sulphur dioxide (SO_2), µg/m³	19.26		18.54		19.47		19.51		17.95		22.28		21.97		19.82		20.42		80	IS 5182 (P-2) 2001
4	Nitrogen dioxide (NO_2), µg/m³	35.95		36.02		34.70		35.83		35.80		39.04		38.05		39.84		39.31		80	IS 5182 (P-6) 2006
5	Carbon monoxide (CO), mg/m³	<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		<1.14		2	IS 5182 (P-10)
6	Ozone (O_3), µg/m³	24.58		21.46		21.85		21.85		24.19		23.41		26.14		23.41		24.97		180	IS 5182 (P-9) 1974
7	Ammonia (NH_3), µg/m³	53.06		53.58		46.08		48.41		46.72		54.98		47.49		51.37		49.61		400	HTH/QF/5.4/2/CH-02/07
8	Lead (Pb), µg/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-22) 2004
9	Nickel (Ni), ng/m³	< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		< 2.0		20	HTH/QF/5.4/2/CH-02/09
10	Arsenic (As), ng/m³	< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		< 0.5		6	HTH/QF/5.4/2/CH-02/09
11	Benzene (C6H6), µg/m³	< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		< 0.50		5	IS 5182 (P-11) 2006
12	Benzo(a) pyrene (BaP), ng/m³	< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		< 0.02		1	IS 5182 (P-12) 2004

Note : Limit as per National Ambient Air Quality Standards Schedule- VIII, 2009.

Mgr. (Lab.)/ Sr. Chemist

Authorised Signatory

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Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

DOC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201010009, Dt.: 10.10.2020
ULR No. : TC781120100014252F
Reporting Date : 15.10.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct. 2020)
Sample was collected on dt.: 09.10.2020 (09:55 to 10:25 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 1)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	**660 MW**

Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter

Stack Observation		**Data Observed**
Stack Temperature, °C	:	57.0
Ambient Air Temperature, °C	:	32.0
Stack gas velocity, m/sec	:	14.81
Sampling flow rate, Lt./min.	:	26.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1616536.33

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group -- Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	32.58*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	177.32*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	217.65*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	2.29	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

15-10-2020

Mgr. (Lab.)/ Sr. Chemist

Authorised Signatory

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50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)
Contact : (Off.) 86077-70160, (Env.) 86077-70164, (BM) 86077-70166, (Food) 86077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

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TEST REPORT

Issued to:	Job Order No: HTH/CH/201010010, Dt.: 10.10.2020
M/s Jhajjar Power Limited (A CLP India Company) Village: Khanpur, Tehsil Matenhail, Distt. Jhajjar (HR) 124-142	**ULR No. :** TC781120100014253F **Reporting Date :** 15.10.2020 **Party's Ref No:** 5030006809

Sample Description: Boiler Stack-Emission (Oct. 2020)
Sample was collected on dt.: 09.10.2020 (10:30 to 11:00 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 2)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	**655 MW**
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	55.0
Ambient Air Temperature, °C	:	31.0
Stack gas velocity, m/sec	:	16.30
Sampling flow rate, Lt./min.	:	29.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1790020.94

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	28.74*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	157.06*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	170.69*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	9.16	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification

**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

Mgr. (Lab.)/ Sr. Chemist

15.10.2020
Authorised Signatory

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& Consultancy Services
GOVT. RECOGNISED LABORATORY

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)
Contact : (HO) 80072-70160, (Dir.) 80077-70164, (TM) 80075-70166, (Fax) 80077-70169
Web Site : www.haryanatesthouse.net, e-mail : haryanatesthouse@gmail.com, info@haryanatesthouse.net

DOE No. H/HQF/7 &

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Issued to:	Job Order No: HTH/CH/201017033, Dt.: 17.10.2020
M/s Jhajjar Power Limited (A CLP India Company) Village: Khanpur, Tehsil Matenhail, Distt. Jhajjar (HR) 124-142	ULR No. : TC781120100014608F Reporting Date : 22.10.2020 Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 16.10.2020 (10:25 to 10:55 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 1)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	400 MW
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	56.0
Ambient Air Temperature, °C	:	32.0
Stack gas velocity, m/sec	:	15.0
Sampling flow rate, Lt./min.	:	26.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1642251.67

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	34.76*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	186.50*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	394.60*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	4.58	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

Mgr. (Lab.)/ Sr. Chemist

22.10.2020
Authorised Signatory

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& Consultancy Services
GOVT. RECOGNISED LABORATORY

50-C, Sector-25 Part-II, HUDA, PANIPAT-132103 (HR.)
Contact : Off. : 80872-70160, (Res.) 80872-70184, (HM) 80872-70166, (Food) 80872-70169
Web Site : www.haryanatesthouse.net, email : haryanatesthouse@gmail.com, info@haryanatesthouse.net

DOC No. HTH/QF/7.8

Recognition / Approval : NABL / MoEF / FSSAI / BIS / PPCB / ISO 9001, 14001, 45001 Certified Lab.

TEST REPORT

Issued to: M/s Jhajjar Power Limited (A CLP India Company) Village: Khanpur, Tehsil Matenhail, Distt. Jhajjar (HR) 124-142	Job Order No: HTH/CH/201017034, Dt.: 17.10.2020 ULR No. : TC781120100014609F Reporting Date : 22.10.2020 Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 16.10.2020 (11:00 to 11:30 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 2)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	405 MW
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM Installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	55.0
Ambient Air Temperature, °C	:	31.0
Stack gas velocity, m/sec	:	15.87
Sampling flow rate, Lt./min.	:	28.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1742799.53

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	36.21*	50 Max.	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	179.76*	200 Max.	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	362.91*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	6.87	-	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

Mgr. (Lab.) / Sr. Chemist

22-10-2020
Authorised Signatory

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DOC No. HTH/QF/7.8

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201023047, Dt.: 23.10.2020
ULR No. : TC781120100015038F
Reporting Date : 28.10.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 23.10.2020 (10:05 to 10:35 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 1)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	**550 MW**
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	54.0
Ambient Air Temperature, °C	:	28.0
Stack gas velocity, m/sec	:	15.45
Sampling flow rate, Lt./min.	:	27.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1701864.90

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	27.35*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	165.52*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	243.34*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	2.29	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1.*Corrected to 12% CO_2
2.*Corrected to 6% O_2
3.*Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

28.10.2020

Mgr. (Lab.)/ Sr. Chemist

Authorised Signatory

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Contact : Off. : 0180-2670101, Fax : 0180-2670102, Mob. : 09416150770

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Certificate No. TC-7811

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TEST REPORT

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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201023048, **Dt.:** 23.10.2020
ULR No. : TC781120100015039F
Reporting Date : 28.10.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 23.10.2020 (10:40 to 11:10 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 2)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	**560 MW**
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	53.0
Ambient Air Temperature, °C	:	27.0
Stack gas velocity, m/sec	:	16.63
Sampling flow rate, Lt./min.	:	29.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1837464.68

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	34.46*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	179.81*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	180.17*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	2.29	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

Mgr. (Lab.) / Sr. Chemist

28-10-20

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TEST REPORT

Issued to:
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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201030013, Dt.: 30.10.2020
ULR No. : TC781120100015391F
Reporting Date : 03.11.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 30.10.2020 (10:10 to 10:40 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	Boiler (Unit - 2)
Emission due to	:	Combustion of Coal
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of Boiler	:	660 MW
Plant Load (at the time of sampling)	:	**560 MW**
Physical characteristics of stack		
Stack height (from the ground Level)	:	275 meter
Stack diameter (at the sampling point)	:	6.67 meter
Height of sampling point (from ground level)	:	65.0 meter
Area of Stack	:	34.96 m^2
Type of APCM installed	:	ESP & Bag House Filter
Stack Observation		**Data Observed**
Stack Temperature, °C	:	57.0
Ambient Air Temperature, °C	:	31.0
Stack gas velocity, m/sec	:	15.88
Sampling flow rate, Lt./min.	:	28.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	1733328.62

Test Results

S.N	Parameters	Results	Standard Limits Env. (Protection) Amended Rule, 2015	Protocol used
	Discipline - Chemical, Group – Atmospheric Pollution			
1	Particulate Matter (PM), mg/Nm^3	31.83*	50 Max	IS 11255 (P-1) : 1985
2	Sulphur Dioxide (SO_2), mg/Nm^3	159.18*	200 Max	HTH/QF/5.4/2/CH-02/23
3	Nitrogen Dioxide (NO_2), mg/Nm^3	243.15*	450 Max.**	HTH/QF/5.4/2/CH-02/23
4	Carbon Monooxide (CO), mg/Nm^3	8.02	--	HTH/QF/5.4/2/CH-02/23
5	Mercury (as Hg), mg/Nm^3	BLQ (LOQ 0.01)	0.03	HTH/QF/5.4/2/CH-02/09

Remarks:-
1. *Corrected to 12% CO_2
2. *Corrected to 6% O_2
3. *Corrected to 6% O_2
4. Parameter at sr.no. 2 to 3 are analyed on dry basis. / BLQ : Below limit of Quantification/ LOQ : Limit of Quantification
**New emission limits of NO_2 are applicable for the Thermal Power Plant as per supreme court order dt.: 05.08.2019.

Mgr. (Lab.)/ Sr. Chemist

3.11.2020
Authorised Signatory

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031034, Dt.: 31.10.2020
ULR No. : TC781120100015477F
Reporting Date : 05.11.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 30.10.2020 (12:00 to 12:30 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	DG Stack -1 (Unit - 1)
Emission due to	:	Combustion of HSD
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of DG	:	1500 KVA

Physical characteristics of stack		
Stack height (from the ground Level)	:	9.5 meter
Stack diameter (at the sampling point)	:	0.4 meter
Height of sampling point (from ground level)	:	8.0 meter
Area of Stack	:	0.1257 m^2

Stack Observation		**Data Observed**
Stack Temperature, °C	:	391.0
Ambient Air Temperature, °C	:	32.0
Stack gas velocity, m/sec	:	22.90
Sampling flow rate, Lt./min.	:	20.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	4467.66

Test Results:

S.N	Parameters	Results	Standard Limits (CPCB)	Protocol used
1	Particulate Matter (PM), mg/Nm^3	47.76	75 max	IS 11255 (P-1) : 1985 (Reaff. 2009)
2	Oxides of Nitrogen (NO_2), ppmV	225.52	710 max	HTH/QF/5.4/2/CH-02/23
3	Carbon Monoxide (CO), mg/Nm^3	102.11	150 max	HTH/QF/5.4/2/CH-02/23
4	NMHC, mg/Nm^3		100 max	IS 13270
5	Oxygen % in flue gas	14.30	--	HTH/QF/5.4/2/CH-02/23

Note: Parameter at Sr. 1 to 4 normalized at 15 % Oxygen.

Mgr. (Lab.)/ Sr. Chemist

05-11-2020
Authorised Signatory

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TEST REPORT

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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031035, **Dt.:** 31.10.2020
ULR No. : TC781120100015478F
Reporting Date : 05.11.2020
Party's Ref No: 5030006809

Sample Description: Boiler Stack-Emission (Oct 2020)
Sample was collected on dt.: 30.10.2020 (12:35 to 13:05 Hrs) by our lab. Representative Mr. Ajay (Sr. Chemist)

General Information about Stack		
Stack Connected to	:	DG Stack -2 (Unit - 2)
Emission due to	:	Combustion of HSD
Type of Chimney	:	M.S. (Circular)
Whether Stack is provided with permanent platform & ladder	:	Yes
Capacity of DG	:	1500 KVA

Physical characteristics of stack		
Stack height (from the ground Level)	:	9.5 meter
Stack diameter (at the sampling point)	:	0.4 meter
Height of sampling point (from ground level)	:	8.0 meter
Area of Stack	:	0.1257 m^2

Stack Observation		**Data Observed**
Stack Temperature, °C	:	395.0
Ambient Air Temperature, °C	:	32.0
Stack gas velocity, m/sec	:	22.47
Sampling flow rate, Lt./min.	:	20.0
Barometric pressure (mm of Hg)	:	730.0
Period of sampling, Minutes	:	30.0
Volumetric flow rate, Nm^3/ Hr.	:	4357.52

Test Results:

S.N	Parameters	Results	Standard Limits (CPCB)	Protocol used
1	Particulate Matter (PM), mg/Nm^3	49.42	75 max	IS 11255 (P-1) : 1985 (Reaff. 2009)
2	Oxides of Nitrogen (NO_2), ppmV	238.73	710 max	HTH/QF/5.4/2/CH-02/23
3	Carbon Monoxide (CO), mg/Nm^3	110.08	150 max	HTH/QF/5.4/2/CH-02/23
4	NMHC, mg/Nm^3	28.82	100 max	IS 13270
5	Oxygen % in flue gas	14.20	--	HTH/QF/5.4/2/CH-02/23

Note: Parameter at Sr. 1 to 4 normalized at 15 % Oxygen. ——— • ———

Mgr. (Lab.)/ Sr. Chemist

05-11-2020
Authorised Signatory

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No. HTH/QF/7.8

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201017010, Dt.: 17.10.2020
ULR No. : TC781120100014572F (Chemical)
ULR No. : TC781120200014573F (Biological)
Reporting Date : 22.10.2020
Party's Ref No: 5030006809

Sample Description: Ground Water (Ash Dyke/ Lagoon, Oct 2020)

Sample type	:	Water
Date of sampling	:	16.10.2020
Date of receipt of sample	:	16.10.2020
Sample Location	:	Observation Well (Up Stream)
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)

Test Results

Sr. No.	Parameters	Results	Protocol Used
	Physical Parameters		
1	Colour, Hazen units	1	IS 3025 (P-4) : 1983
2	Odour	Aggreable	IS 3025 (P-5) : 1983
3	pH	7.46	IS 3025 (P-11) : 1983
4	Taste	Aggreable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	5421.0	IS 3025 (P-16) : 1984
	General Parameters		
7	Total Ammonia (as N), mg/l	B.D.L (DL 0.3)	IS 3025 (P-34) : 1988
8	Calcium (as Ca), mg/l	260.5	IS 3025 (P-40) : 1991
9	Chloride (as Cl), mg/l	2265.87	IS 3025 (P-32) : 1988
10	Fluoride (as F), mg/l	1.20	APHA
11	Free Residual Chlorine, mg/l	B.D.L (DL 0.15)	IS 3025 (P-26) : 1986
12	Magnesium (as Mg), mg/l	136.36	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3), mg/l	26.40	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH), mg/l	B.D.L (DL 0.0004)	IS 3025 (P-43) : 1992
15	Sulphate (as SO_4), mg/l	424.0	IS 3025 (P-24) : 1986

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TEST REPORT

Report No. 201017010 (2 of 2)

Sr. No.	Parameters	Results	Protocol Used
16	Sulphide (as H_2S), mg/l	B.D.L (DL 0.05)	IS 3025 (P-29) : 1986
17	Total Alkalinity (as $CaCO_3$), mg/l	840.0	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$), mg/l	1210.0	IS 3025 (P-21) : 2009
19	Cyanide (as CN), mg/l	B.D.L (DL 0.016)	IS 3025 (P-27) : 1986
20	Aluminium (as Al), mg/l	0.011	IS 3025 (P-55) : 2003
21	Barium (as Ba), mg/l	0.056	IS 3025 (P-2) : 2004
22	Boron (as B), mg/l	0.45	IS 3025 (P-57) : 2006
23	Copper (as Cu), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
24	Iron (as Fe), mg/l	0.26	IS 3025 (P-53) : 2003
25	Manganese (as Mn), mg/l	0.001	IS 3025 (P-59) : 2006
26	Selenium (as Se), mg/l	BDL (DL 0.005)	IS 3025 (P-56) : 2003
27	Silver (as Ag), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
28	Zinc (as Zn), mg/l	0.090	IS 3025 (P-2) : 2004
	Toxic Substances		
29	Cadmium (as Cd), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
30	Lead (as Pb), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
31	Mercury (as Hg), mg/l	B.D.L (DL 0.0005)	IS 3025 (P-48)
32	Molybdenum (as Mo) mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
33	Nickel (as Ni), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
34	Total Arsenic (as As), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
35	Total Chromium (as Cr), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
	Bacteriological Examinations		
1	Coliform Organisms, per 100 ml	Absent	IS 15185: 2012
2	E-Coli, (Per 100 ml)	Absent	IS 15185: 2012

Remarks:
- BDL: Below Detection Limit / DL: Detection Limit.
- Party Asked For Above Test Only.

22.10.2020

Manendra Kumar
Sr. Microbiologist

Rishabh Dua
CEO

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3. Sample will be destroyed after 7 days for Perishable items & 30 days for non-perishable items from the date of issue of test report.

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201017011, **Dt.:** 17.10.2020
ULR No. : TC781120100014574F (Chemical)
ULR No. : TC781120200014575F (Biological)
Reporting Date : 22.10.2020
Party's Ref No: 5030006809

Sample Description: Ground Water (Ash Dyke/ Lagoon, Oct 2020)

Sample type	:	Water
Date of sampling	:	16.10.2020
Date of receipt of sample	:	16.10.2020
Sample Location	:	Observation Well (Down Stream)
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)

Test Results

Sr. No.	Parameters	Results	Protocol Used
	Physical Parameters		
1	Colour, Hazen units	1	IS 3025 (P-4) : 1983
2	Odour	Agreeable	IS 3025 (P-5) : 1983
3	pH	7.86	IS 3025 (P-11) : 1983
4	Taste	Agreeable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	3898.0	IS 3025 (P-16) : 1984
	General Parameters		
7	Total Ammonia (as N), mg/l	B.D.L (DL 0.3)	IS 3025 (P-34) : 1988
8	Calcium (as Ca), mg/l	128.3	IS 3025 (P-40) : 1991
9	Chloride (as Cl), mg/l	1528.26	IS 3025 (P-32) : 1988
10	Fluoride (as F), mg/l	1.0	APHA
11	Free Residual Chlorine, mg/l	B.D.L (DL 0.15)	IS 3025 (P-26) : 1986
12	Magnesium (as Mg), mg/l	104.71	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3), mg/l	24.20	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH), mg/l	B.D.L (DL 0.0004)	IS 3025 (P-43) : 1992
15	Sulphate (as SO_4), mg/l	198.0	IS 3025 (P-24) : 1986

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4. The results relate only to the test items only.

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TEST REPORT

Report No. 201017011 (2 of 2)

Sr. No.	Parameters	Results	Protocol Used
16	Sulphide (as H_2S), mg/l	B.D.L (DL 0.05)	IS 3025 (P-29) : 1986
17	Total Alkalinity (as $CaCO_3$), mg/l	650.0	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$), mg/l	750.0	IS 3025 (P-21) : 2009
19	Cyanide (as CN), mg/l	B.D.L (DL 0.016)	IS 3025 (P-27) : 1986
20	Aluminium (as Al), mg/l	B.D.L (DL 0.010)	IS 3025 (P-55) : 2003
21	Barium (as Ba), mg/l	0.028	IS 3025 (P-2) : 2004
22	Boron (as B), mg/l	BDL (DL 0.050)	IS 3025 (P-57) : 2005
23	Copper (as Cu), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
24	Iron (as Fe), mg/l	0.129	IS 3025 (P-53) : 2003
25	Manganese (as Mn), mg/l	BDL (DL 0.001)	IS 3025 (P-59) : 2006
26	Selenium (as Se), mg/l	BDL (DL 0.005)	IS 3025 (P-56) : 2003
27	Silver (as Ag), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
28	Zinc (as Zn), mg/l	0.060	IS 3025 (P-2) : 2004
	Toxic Substances		
29	Cadmium (as Cd), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
30	Lead (as Pb), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
31	Mercury (as Hg), mg/l	B.D.L (DL 0.0005)	IS 3025 (P-48)
32	Molybdenum (as Mo) mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
33	Nickel (as Ni), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
34	Total Arsenic (as As), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
35	Total Chromium (as Cr), mg/l	BDL (DL 0.001)	IS 3025 (P-2) : 2004
	Bacteriological Examinations		
1	Coliform Organisms, per 100 ml	Absent	IS 15185: 2012
2	E-Coli, (Per 100 ml)	Absent	IS 15185: 2012

Remarks:
- BDL: Below Detection Limit / DL: Detection Limit.
- Party Asked For Above Test Only.

22-10-2020

Manendra Kumar
Sr. Microbiologist

Rishabh Dua
CEO

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031019, Dt.: 31.10.2020
ULR No. : TC781120100015454F (Chemical)
ULR No. : TC781120200015455F (Biological)
Reporting Date : 05.11.2020

Sample Description: Ground Water Sample (Oct. 2020)

Sample type	:	Borewell Water
Date of sampling	:	30.10.2020
Date of receipt of sample	:	31.10.2020
Sample Location	:	Khanpur Khurd
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)
Period of testing	:	31.10.2020 to 05.11.2020

Reference to Protocol : IS 10500 : 2012 Amendment No. 2, September 2018

Test Results

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of Alternate source)	Method
	Discipline - Chemical, Group – Water				
	Organoleptic and Physical Parameter				
1	Colour, Hazen units	1.0	5 max.	15 max.	IS 3025 (P-4) : 1983
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (P-5) : 1983
3	pH	7.41	6.5 – 8.5	No Relaxation	IS 3025 (P-11) : 1983
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	1 max.	5 max.	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	482.0	500 max.	2000 max.	IS 3025 (P-16) : 1984
	General Parameters Concerning Substances Undesirable in excessive amounts (mg/l)				
7	Total Ammonia (as N)	BLQ (LOQ 0.3)	0.5 max.	No Relaxation	IS 3025 (P-34) : 1988
8	Calcium (as Ca)	81.8	75 max.	200 max.	IS 3025 (P-40) : 1991
9	Chloride (as Cl)	19.99	250 max.	1000 max.	IS 3025 (P-32) : 1988
10	Fluoride (as F)	0.52	1.0 max.	1.5 max.	APHA
11	Free Residual Chlorine	BLQ (LOQ 0.15)	0.2 min*	1 min	IS 3025 (P-26) : 1986
12	Magnesium (as Mg)	49.67	30 max.	100 max.	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3)	3.20	45 max.	No Relaxation	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH)	BLQ (LOQ 0.0004)	0.001 max.	0.002 max.	IS 3025 (P-43) : 1992

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TEST REPORT

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of alternate source)	Method
15	Sulphate (as SO_4)	52.10	200 max.	400 max.	IS 3025 (P-24) : 1986
16	Sulphide (as H_2S)	BLQ (LOQ 0.05)	0.05 max.	No Relaxation	IS 3025 (P-29)
17	Total Alkalinity (as $CaCO_3$)	376.0	200 max.	600 max.	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$)	408.0	200 max.	600 max.	IS 3025 (P-21) : 2009
19	Cyanide (as CN)	BLQ (LOQ 0.02)	0.05 max.	No Relaxation	IS 3025 (P-27) : 1986
	Discipline - Chemical, Group - Residue in water				
20	Aluminium (as Al)	0.16	0.03 max.	0.2 max.	IS 3025 (P-2) : 2004
21	Boron (as B)	BLQ (LOQ 0.050)	0.5 max.	2.4 max.	IS 3025 (P-2) : 2004
22	Copper (as Cu)	BLQ (LOQ 0.001)	0.05 max.	1.5 max.	IS 3025 (P-2) : 2004
23	Iron (as Fe)	0.69	1.0 max	No Relaxation	IS 3025 (P-2) : 2004
24	Manganese (as Mn)	0.017	0.1 max.	0.3 max.	IS 3025 (P-2) : 2004
25	Selenium (as Se)	BLQ (LOQ 0.005)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Zinc (as Zn)	0.848	5 max.	15 max.	IS 3025 (P-2) : 2004
25	Silver (as Ag)	BLQ (LOQ 0.001)	0.1 max.	No Relaxation	IS 3025 (P-2) : 2004
26	Barium (as Ba)	0.038	0.7 max.	No Relaxation	IS 3025 (P-2) : 2004
27	Molybdenum (as Mo)	0.001	0.07 max	No Relaxation	IS 3025 (P-2)
	Parameter Concerning Toxic Substances, (mg/l)				
28	Cadmium (as Cd)	BLQ (LOQ 0.001)	0.003 max.	No Relaxation	IS 3025 (P-2) : 2004
30	Lead (as Pb)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
31	Mercury (as Hg)	BLQ (LOQ 0.0005)	0.001 max.	No Relaxation	IS 3025 (P-48)
32	Nickel (as Ni)	0.018	0.02 max.	No Relaxation	Annex L of IS 13428 IS 3025 (P-2)
33	Total Arsenic (as As)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
34	Total Chromium (as Cr)	BLQ (LOQ 0.001)	0.05 max.	No Relaxation	Annex J of IS 13428 IS 3025 (P-2)
	Discipline - Biological, Group – Water				
35	***Bacteriological Quality***				
1	*Coliform Organisms (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*
2	*E-Coli, (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*

Remarks:

- Analysed parameters of water sample confirms to IS 10500:2012 specification with respect to permissible limits for the above test parameters
- *If sample is Chlorinated / BLQ : Below Limit of Quantification/ LOQ : limit of Quantification

Manendra Kumar
Sr. Microbiologist

05-11-2020
Rishabh Dua
CEO

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031020, Dt.: 31.10.2020
ULR No. : TC781120100015456F (Chemical)
ULR No. : TC781120200015457F (Biological)
Reporting Date : 05.11.2020

Sample Description: Ground Water Sample (Oct. 2020)

Sample type	:	Borewell Water
Date of sampling	:	30.10.2020
Date of receipt of sample	:	31.10.2020
Sample Location	:	Khanpur Kalan
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)
Period of testing	:	31.10.2020 to 05.11.2020

Reference to Protocol : IS 10500 : 2012 Amendment No. 2, September 2018

Test Results

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of Alternate source)	Method
	Discipline - Chemical, Group – Water				
	Organoleptic and Physical Parameter				
1	Colour, Hazen units	1.0	5 max.	15 max.	IS 3025 (P-4) : 1983
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (P-5) : 1983
3	pH	7.35	6.5 – 8.5	No Relaxation	IS 3025 (P-11) : 1983
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	1 max.	5 max.	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	875.0	500 max.	2000 max.	IS 3025 (P-16) : 1984
	General Parameters Concerning Substances Undesirable in excessive amounts (mg/l)				
7	Total Ammonia (as N)	BLQ (LOQ 0.3)	0.5 max.	No Relaxation	IS 3025 (P-34) : 1988
8	Calcium (as Ca)	128.30	75 max.	200 max.	IS 3025 (P-40) : 1991
9	Chloride (as Cl)	199.94	250 max.	1000 max.	IS 3025 (P-32) : 1988
10	Fluoride (as F)	0.92	1.0 max.	1.5 max.	APHA
11	Free Residual Chlorine	BLQ (LOQ 0.15)	0.2 min*	1 min.	IS 3025 (P-26) : 1986
12	Magnesium (as Mg)	79.87	30 max.	100 max.	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3)	5.90	45 max.	No Relaxation	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH)	BLQ (LOQ 0.0004)	0.001 max.	0.002 max.	IS 3025 (P-43) : 1992

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TEST REPORT

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of alternate source)	Method
15	Sulphate (as SO_4)	48.20	200 max.	400 max.	IS 3025 (P-24) : 1986
16	Sulphide (as H_2S)	BLQ (LOQ 0.05)	0.05 max.	No Relaxation	IS 3025 (P-29)
17	Total Alkalinity (as $CaCO_3$)	380.0	200 max.	600 max.	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$)	648.0	200 max.	600 max.	IS 3025 (P-21) : 2009
19	Cyanide (as CN)	BLQ (LOQ 0.02)	0.05 max.	No Relaxation	IS 3025 (P-27) : 1986
	Discipline - Chemical, Group - Residue in water				
20	Aluminium (as Al)	0.039	0.03 max.	0.2 max.	IS 3025 (P-2) : 2004
21	Boron (as B)	BLQ (LOQ 0.050)	0.5 max.	2.4 max.	IS 3025 (P-2) : 2004
22	Copper (as Cu)	BLQ (LOQ 0.001)	0.05 max.	1.5 max.	IS 3025 (P-2) : 2004
23	Iron (as Fe)	0.437	1.0 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Manganese (as Mn)	0.029	0.1 max.	0.3 max.	IS 3025 (P-2) : 2004
25	Selenium (as Se)	0.007	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Zinc (as Zn)	0.77	5 max.	15 max.	IS 3025 (P-2) : 2004
25	Silver (as Ag)	BLQ (LOQ 0.001)	0.1 max.	No Relaxation	IS 3025 (P-2) : 2004
26	Barium (as Ba)	0.079	0.7 max.	No Relaxation	IS 3025 (P-2) : 2004
27	Molybdenum (as Mo)	0.003	0.07 max.	No Relaxation	IS 3025 (P-2)
	Parameter Concerning Toxic Substances, (mg/l)				
28	Cadmium (as Cd)	BLQ (LOQ 0.001)	0.003 max.	No Relaxation	IS 3025 (P-2) : 2004
30	Lead (as Pb)	0.001	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
31	Mercury (as Hg)	BLQ (LOQ 0.0005)	0.001 max.	No Relaxation	IS 3025 (P-48)
32	Nickel (as Ni)	0.007	0.02 max.	No Relaxation	Annex L of IS 13428 IS 3025 (P-2)
33	Total Arsenic (as As)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
34	Total Chromium (as Cr)	BLQ (LOQ 0.001)	0.05 max.	No Relaxation	Annex J of IS 13428 IS 3025 (P-2)
	Discipline - Biological, Group – Water				
35	***Bacteriological Quality***				
1	*Coliform Organisms (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*
2	*E-Coli, (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*

Remarks:
- Analysed parameters of water sample at sr. no. 18 is more than the permissible limits.
- *If sample is Chlorinated / BLQ : Below Limit of Quantification/ LOQ : limit of Quantification

Manendra Kumar
Sr. Microbiologist

05-11-2020
Rishabh Dua
CEO

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031021, Dt.: 31.10.2020
ULR No. : TC781120100015456F (Chemical)
ULR No. : TC781120200015457F (Biological)
Reporting Date : 05.11.2020

Sample Description: Ground Water Sample (Oct. 2020)

Sample type	:	Borewell Water
Date of sampling	:	30.10.2020
Date of receipt of sample	:	31.10.2020
Sample Location	:	Jhamri
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)
Period of testing	:	31.10.2020 to 05.11.2020

Reference to Protocol : IS 10500 : 2012 Amendment No. 2, September 2018

Test Results

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of Alternate source)	Method
	Discipline - Chemical, Group – Water				
	Organoleptic and Physical Parameter				
1	Colour, Hazen units	1.0	5 max.	15 max.	IS 3025 (P-4) : 1983
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (P-5) : 1983
3	pH	7.42	6.5 – 8.5	No Relaxation	IS 3025 (P-11) : 1983
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	1 max.	5 max.	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	675.0	500 max.	2000 max.	IS 3025 (P-16) : 1984
	General Parameters Concerning Substances Undesirable in excessive amounts (mg/l)				
7	Total Ammonia (as N)	BLQ (LOQ 0.3)	0.5 max.	No Relaxation	IS 3025 (P-34) : 1988
8	Calcium (as Ca)	99.4	75 max.	200 max.	IS 3025 (P-40) : 1991
9	Chloride (as Cl)	95.97	250 max.	1000 max.	IS 3025 (P-32) : 1988
10	Fluoride (as F)	0.70	1.0 max.	1.5 max.	APHA
11	Free Residual Chlorine	BLQ (LOQ 0.15)	0.2 min*	1 min	IS 3025 (P-26) : 1986
12	Magnesium (as Mg)	63.31	30 max.	100 max.	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3)	4.20	45 max.	No Relaxation	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH)	BLQ (LOQ 0.0004)	0.001 max.	0.002 max.	IS 3025 (P-43) : 1992

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DOC No. HTH/QF/7.8

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TEST REPORT

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of alternate source)	Method
15	Sulphate (as SO_4)	48.20	200 max.	400 max.	IS 3025 (P-24) : 1986
16	Sulphide (as H_2S)	BLQ (LOQ 0.05)	0.05 max.	No Relaxation	IS 3025 (P-29)
17	Total Alkalinity (as $CaCO_3$)	388.0	200 max.	600 max	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$)	508.0	200 max.	600 max	IS 3025 (P-21) : 2009
19	Cyanide (as CN)	BLQ (LOQ 0.02)	0.05 max.	No Relaxation	IS 3025 (P-27) : 1986
	Discipline - Chemical, Group - Residue in water				
20	Aluminium (as Al)	0.139	0.03 max.	0.2 max.	IS 3025 (P-2) : 2004
21	Boron (as B)	BLQ (LOQ 0.050)	0.5 max.	2.4 max.	IS 3025 (P-2) : 2004
22	Copper (as Cu)	BLQ (LOQ 0.001)	0.05 max.	1.5 max.	IS 3025 (P-2) : 2004
23	Iron (as Fe)	0.243	1.0 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Manganese (as Mn)	0.006	0.1 max.	0.3 max.	IS 3025 (P-2) : 2004
25	Selenium (as Se)	BLQ (LOQ 0.005)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Zinc (as Zn)	0.435	5 max.	15 max.	IS 3025 (P-2) : 2004
25	Silver (as Ag)	BLQ (LOQ 0.001)	0.1 max.	No Relaxation	IS 3025 (P-2) : 2004
26	Barium (as Ba)	0.036	0.7 max	No Relaxation	IS 3025 (P-2) : 2004
27	Molybdenum (as Mo)	0.003	0.07 max	No Relaxation	IS 3025 (P-2)
	Parameter Concerning Toxic Substances, (mg/l)				
28	Cadmium (as Cd)	BLQ (LOQ 0.001)	0.003 max.	No Relaxation	IS 3025 (P-2) : 2004
30	Lead (as Pb)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
31	Mercury (as Hg)	BLQ (LOQ 0.0005)	0.001 max.	No Relaxation	IS 3025 (P-48)
32	Nickel (as Ni)	0.007	0.02 max.	No Relaxation	Annex L of IS 13428 IS 3025 (P-2)
33	Total Arsenic (as As)	0.002	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
34	Total Chromium (as Cr)	BLQ (LOQ 0.001)	0.05 max.	No Relaxation	Annex J of IS 13428 IS 3025 (P-2)
	Discipline - Biological, Group – Water				
35	***Bacteriological Quality***				
1	*Coliform Organisms (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*
2	*E-Coli, (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*

Remarks:
- Analysed parameters of water sample confirms to IS 10500:2012 specification with respect to permissible limits for the above test parameters.

*If sample is Chlorinated / BLQ : Below Limit of Quantification/ LOQ : limit of Quantification

Manendra Kumar
Sr. Microbiologist

05-11-2020
Rishabh Dua
CEO

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Wazidpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031022, Dt.: 31.10.2020
ULR No. : TC781120100015458F (Chemical)
ULR No. : TC781120200015459F (Biological)
Reporting Date : 05.11.2020

Sample Description: Ground Water Sample (Oct. 2020)

Sample type	:	Borewell Water
Date of sampling	:	30.10.2020
Date of receipt of sample	:	31.10.2020
Sample Location	:	Wazidpur
Sample quantity	:	5 ltr + 250 ml in sterilized bottle
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)
Period of testing	:	31.10.2020 to 05.11.2020

Reference to Protocol : IS 10500 : 2012 Amendment No. 2, September 2018

Test Results

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of Alternate source)	Method
	Discipline - Chemical, Group – Water				
	Organoleptic and Physical Parameter				
1	Colour, Hazen units	1.0	5 max.	15 max	IS 3025 (P-4) : 1983
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (P-5) : 1983
3	pH	7.45	6.5 – 8.5	No Relaxation	IS 3025 (P-11) : 1983
4	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-7 & 8) : 1984
5	Turbidity, NTU	< 1.0	1 max.	5 max.	IS 3025 (P-10) : 1984
6	Total Dissolved Solids, mg/l	472.0	500 max.	2000 max.	IS 3025 (P-16) : 1984
	General Parameters Concerning Substances Undesirable in excessive amounts (mg/l)				
7	Total Ammonia (as N)	BLQ (LOQ 0.3)	0.5 max.	No Relaxation	IS 3025 (P-34) : 1988
8	Calcium (as Ca)	80.20	75 max.	200 max.	IS 3025 (P-40) : 1991
9	Chloride (as Cl)	21.99	250 max.	1000 max.	IS 3025 (P-32) : 1988
10	Fluoride (as F)	0.52	1.0 max.	1.5 max.	APHA
11	Free Residual Chlorine	BLQ (LOQ 0.15)	0.2 min*	1 min	IS 3025 (P-26) : 1986
12	Magnesium (as Mg)	49.67	30 max.	100 max.	IS 3025 (P-46) : 1994
13	Nitrate (as NO_3)	3.0	45 max.	No Relaxation	IS 3025 (P-34) : 1988
14	Phenolic Compounds (as C_6H_5OH)	BLQ (LOQ 0.0004)	0.001 max.	0.002 max.	IS 3025 (P-43) : 1992

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TEST REPORT

Sr. No.	Parameters	Results	Acceptable Limit	Permissible Limit (in the absence of alternate source)	Method
15	Sulphate (as SO_4)	48.20	200 max.	400 max.	IS 3025 (P-24) : 1986
16	Sulphide (as H_2S)	BLQ (LOQ 0.05)	0.05 max.	No Relaxation	IS 3025 (P-29)
17	Total Alkalinity (as $CaCO_3$)	376.0	200 max.	600 max.	IS 3025 (P-23) : 1986
18	Total Hardness (as $CaCO_3$)	404.0	200 max.	600 max.	IS 3025 (P-21) : 2009
19	Cyanide (as CN)	BLQ (LOQ 0.02)	0.05 max.	No Relaxation	IS 3025 (P-27) : 1986
	Discipline - Chemical, Group - Residue in water				
20	Aluminium (as Al)	0.138	0.03 max.	0.2 max.	IS 3025 (P-2) : 2004
21	Boron (as B)	BLQ (LOQ 0.050)	0.5 max.	2.4 max.	IS 3025 (P-2) : 2004
22	Copper (as Cu)	BLQ (LOQ 0.001)	0.05 max.	1.5 max.	IS 3025 (P-2) : 2004
23	Iron (as Fe)	0.352	1.0 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Manganese (as Mn)	0.017	0.1 max.	0.3 max.	IS 3025 (P-2) : 2004
25	Selenium (as Se)	BLQ (LOQ 0.005)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
24	Zinc (as Zn)	0.54	5 max.	15 max.	IS 3025 (P-2) : 2004
25	Silver (as Ag)	BLQ (LOQ 0.001)	0.1 max.	No Relaxation	IS 3025 (P-2) : 2004
26	Barium (as Ba)	0.046	0.7 max.	No Relaxation	IS 3025 (P-2) : 2004
27	Molybdenum (as Mo)	0.001	0.07 max	No Relaxation	IS 3025 (P-2)
	Parameter Concerning Toxic Substances, (mg/l)				
28	Cadmium (as Cd)	BLQ (LOQ 0.001)	0.003 max.	No Relaxation	IS 3025 (P-2) : 2004
30	Lead (as Pb)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
31	Mercury (as Hg)	BLQ (LOQ 0.0005)	0.001 max.	No Relaxation	IS 3025 (P-48)
32	Nickel (as Ni)	0.005	0.02 max.	No Relaxation	Annex L of IS 13428 IS 3025 (P-2)
33	Total Arsenic (as As)	BLQ (LOQ 0.001)	0.01 max.	No Relaxation	IS 3025 (P-2) : 2004
34	Total Chromium (as Cr)	BLQ (LOQ 0.001)	0.05 max.	No Relaxation	Annex J of IS 13428 IS 3025 (P-2)
	Discipline - Biological, Group – Water				
35	***Bacteriological Quality***				
1	*Coliform Organisms (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*
2	*E-Coli, (per 100 ml)*	*Absent*	*Shall not be Detectable*	*No Relaxation*	*IS 15185*

Remarks:

- Analysed parameters of water sample confirms to IS 10500:2012 specification with respect to permissible limits for the above test parameters
*If sample is Chlorinated / BLQ : Below Limit of Quantification/ LOQ : limit of Quantification

Manendra Kumar
Sr. Microbiologist

05-11-2020
Rishabh Dua
CEO

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3. Sample will be destroyed after 7 days for Perishable items & 30 days for non-perishable items from the date of issue of test report.
4. The results are related to the test items only.

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DOC No: HTH:QF/7.8

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TEST REPORT

Issued to:
M/s Jhajjar Power Limited (A CLP India Company)
Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201017016-017, **Dt.:** 17.10.2020
ULR No. : TC781120100014584F & 14586F
Reporting Date : 22.10.2020
Party's Ref No: 5030006809

Sample Description: Effluent Water Sample (STP –Township, Oct-2020)

Sample type	:	STP- Inlet & Outlet
Date of sampling	:	16.10.2020
Date of receipt of sample	:	17.10.2020
Sample quantity	:	2 ltr each
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)

Test Results

Sr. No.	Parameters	STP – Inlet	STP – Outlet	Specification Environment (Protection) Amendment Rule 2017	Protocol Used
	Discipline - Chemical, Group – Pollution & Environment				
1	Colour/Appearance	Yellowish	Colourless	-	Qualitative
2	Odour	Foul	Odourless	-	Qualitative
3	pH	7.05	7.08	5.5 to 9.0	IS 3025 (P-11) : 1983
4	COD, mg/l	123.0	72.0	250 max	IS 3025 (P-58) : 2006
5	BOD at 27°C for 3 days, mg/l	48.0	24.0	30 max	IS 3025 (P-44) : 1993
6	Total Suspended Solids, mg/l	86.0	55.0	100 max	IS 3025 (P-17) : 1993
7	Total Dissolved Soilds, mg/l	705.0	715.0	-	IS 3025 (P-16) : 1984
8	Oil & Grease, mg/l	3.8	3.2	10 max	IS 3025 (P-39) : 1996
9	Free Residual Chlorine, mg/l	BLQ (LOQ 0.05)	BLQ (LOQ 0.05)	-	IS 3025 (P-26) : 1986

Remarks :

- BLQ : Below limits of Quantification / LOQ : Limit of Quantification

Mgr. (Lab.)/ Sr. Chemist

HARYANA TEST HOUSE PANIPAT 22.10.2020

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TEST REPORT

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Village: Khanpur, Tehsil Matenhail,
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Job Order No: HTH/CH/201017014-015, **Dt.:** 17.10.2020
ULR No. : TC781120100014580F & 14582F
Reporting Date : 22.10.2020
Party's Ref No: 5030006809

Sample Description: Effluent Water Sample (STP- Plant, Oct-2020)

Sample type	:	STP- Inlet & Outlet
Date of sampling	:	16.10.2020
Date of receipt of sample	:	17.10.2020
Sample quantity	:	2 ltr each
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)

Test Results

Sr. No.	Parameters	STP – Inlet	STP – Outlet	Specification Environment (Protection) Amendment Rule 2017	Protocol Used
	Discipline - Chemical, Group – Pollution & Environment				
1	Colour/Appearance	Turbid Grey	Colourless	--	Qualitative
2	Odour	Mild	Odourless	--	Qualitative
3	pH	7.30	7.07	5.5 to 9.0	IS 3025 (P-11) : 1983
4	COD, mg/l	91.0	28.0	250 max	IS 3025 (P-58) : 2006
5	BOD at 27°C for 3 days, mg/l	30.0	8.0	30 max	IS 3025 (P-44) : 1993
6	Total Suspended Solids, mg/l	60.0	28.0	100 max	IS 3025 (P-17) : 1993
7	Total Dissolved Soilds, mg/l	1452.0	1355.0	--	IS 3025 (P-16) : 1984
8	Oil & Grease, mg/l	4.4	1.8	10 max	IS 3025 (P-39) : 1996
9	Free Residual Chlorine, mg/l	BLQ (LOQ 0.05)	BLQ (LOQ 0.05)	--	IS 3025 (P-26) : 1986

Remarks :

- BLQ : Below limits of Quantification / LOQ : Limit of Quantification

Mgr. (Lab.)/ Sr. Chemist

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TEST REPORT

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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201017012 -013, **Dt.:** 17.10.2020
ULR No. : TC781120100014576F & 14578F
Reporting Date : 22.10.2020
Party's Ref No: 5030006809

Sample Description: Effluent Water Sample (ETP- Inlet & Outlet, Oct-2020)

Sample type	:	ETP- Inlet & Outlet
Date of sampling	:	16.10.2020
Date of receipt of sample	:	17.10.2020
Sample quantity	:	2 ltr each
Purpose of analysis	:	Monitoring
Sample collected by	:	Mr. Ajay (Sr. Chemist)

Test Results

Sr. No.	Parameters	ETP – Inlet	ETP – Outlet	Specification Environment (Protection) Amendment Rule 2017	Protocol Used
	Discipline - Chemical, Group – Pollution & Environment				
1	Colour/Appearance	Yellowish	Colourless	--	Qualitative
2	Odour	Mild	Odourless	--	Qualitative
3	pH	7.55	7.50	5.5 to 9.0	IS 3025 (P-11) : 1983
4	COD, mg/l	82.0	36.0	250 max	IS 3025 (P-58) : 2006
5	BOD at 27°C for 3 days, mg/l	18.0	6.7	30 max.	IS 3025 (P-44) : 1993
6	Total Suspended Solids, mg/l	54.0	26.0	100 max	IS 3025 (P-17) : 1993
7	Total Dissolved Soilds, mg/l	535.0	555.0	--	IS 3025 (P-16) : 1984
8	Oil & Grease, mg/l	1.6	1.0	10 max	IS 3025 (P-39) : 1996
9	Free Residual Chlorine, mg/l	BLQ (LOQ 0.05)	BLQ (LOQ 0.05)	--	IS 3025 (P-26) : 1986

Remarks :

- BLQ : Below limits of Quantification / LOQ : Limit of Quantification

Mgr. (Lab.)/ Sr. Chemist

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22.10.2020

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TEST REPORT

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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201031034-035, **Dt.:** 31.10.2020
ULR No. : TC781120100015477F & 15478F
Reporting Date : 02.11.2020
Party's Ref No: 5030006809

Sample Description: Noise Level Monitoring- DG Noise for the month of Oct, 2020

Type of Industry	:	Thermal Power Plant
Capacity of DG Set	:	**DG No. 1 & DG No. 2 (1500 KVA Each)**
Date of measurement	:	30.10.2020
Purpose of analysis	:	Monitoring
Sample collected/ supplied by	:	Mr. Ajay (Sr. Chemist)

OBSERVATION

S.N.	Point of Measurement	I	II	III	IV	V	VI
	Discipline - Chemical, Group – Atmospheric Pollution						
1	Inside the Acoustic Room (Acoustic enclosure opened)	102.1	101.3	101.2	100.3	101.4	100.2
2	Outside the Acoustic Room (Acoustic enclosure Closed)	73.4	71.8	72.3	71.2	72.8	72.1

TEST RESULTS

S.N.	Point of Measurement	Noise Level (dB "A")		
		L_{min}	L_{maxi}	L_{eq}
1	Inside the Acoustic Room (Acoustic enclosure opened)	100.2	102.1	101.1
2	Outside the Acoustic Room (Acoustic enclosure Closed)	71.2	73.4	72.3
			Insertion Loss	*28.8

Note:
- At the time of measurement DG Sets were in operation.
- * As per EPA 1986, Insertion loss should be 25 dB (A) (min.) on acoustic enclosure and acoustic treatment for stationary DG Sets.

Mgr. (Lab.)/ Sr. Chemist

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TEST REPORT

Issued to:
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Village: Khanpur, Tehsil Matenhail,
Distt. Jhajjar (HR) 124-142

Job Order No: HTH/CH/201017037, Dt.: 17.10.2020
ULR No. : TC781120100014612F
Reporting Date : 02.11.2020
Party's Ref No: 5030006809

Sample Description: Noise Level Monitoring for the month of Oct. 2020 (Day & Night)

Type of Industry	:	Thermal Power Plant
Date of measurement	:	16.10.2020 to 17.10.2020
Purpose of analysis	:	Monitoring
Sample collected/ supplied by	:	Mr. Ajay (Sr. Chemist)

TEST RESULTS

S.N.	Point of Measurement		Noise Level (dB "A")			Standard Limits (dB "A") (CPCB)
			L_{min}	L_{maxi}	L_{eq}	
1	Near Gate No. 1	Day	68.7	72.1	70.8	75 max.
		Night	66.3	72.1	70.1	70 max.
2	Near Gate No. 2	Day	67.5	71.5	69.7	75 max.
		Night	65.7	70.4	68.4	70 max.
3	Near Gate No. 3	Day	65.1	69.1	67.2	75 max.
		Night	63.2	67.2	65.5	70 max.
4	Near Guest House	Day	57.4	64.3	61.6	75 max.
		Night	56.3	63.1	61.0	70 max.

Note:-

- Standard Limit for Ambient Noise (Day: 75 dB and Night: 70 dB) as per CPCB Guidelines Environment (Protection) Rules, 1986
- Leq:- It is an energy mean of the noise level over a specified period
- At the time of measurement Both Units (Unit -1 & Unit – 2) were in operation

Mgr. (Lab.)/ Sr. Chemist

HARYANA TEST HOUSE 02-11-20 PANIPAT

Authorised Signatory

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law
2. This report should not be used in any advertising media without our prior permission in writing.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Document QF : 2501

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050134 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040091 **NABL ULR No.** :TC592620000009561F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village: Khanpur
Date of Monitoring	: 02-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.36
Volume of air sampled,m3	: 1881.61
Avg. Ambient Temperature,°C	: 29

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	18
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	25
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011050134 Sample Reg. Date :05-11-2020 Report Date :04-12-2020 Report No. :ICE-2012040091 NABL ULR No. :TC592620000009561F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050135 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040092 **NABL ULR No.** :TC592620000009562F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 02-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.38
Volume of air sampled,m3	: 1896.72
Avg. Ambient Temperature,°C	: 31

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	98
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011050135 Sample Reg. Date :05-11-2020 Report Date :04-12-2020 Report No. :ICE-2012040092 NABL ULR No. :TC592620000009562F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050136 **Sample Reg. Date** :05-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030085 **NABL ULR No.** :TC592620000009540F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Shakti Vihar
Date of Monitoring	: 02-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.38
Volume of air sampled,m3	: 1902.98
Avg. Ambient Temperature,°C	: 30

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
03-12-2020
Reviewer

Saurabh
03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011050136 Sample Reg. Date :05-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030085 NABL ULR No. :TC592620000009540F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
03-12-2020
Reviewer

Saurabh
03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050137 **Sample Reg. Date** :05-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030086 **NABL ULR No.** :TC592620000009541F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 02-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.36
Volume of air sampled,m3	: 1869.23
Avg. Ambient Temperature,°C	: 31

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ:0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	**Sample Reg. No.** :E01-2011050137
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :05-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030086 **NABL ULR No.** :TC592620000009541F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ:1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ:1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210518 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030081 **NABL ULR No.** :TC592620000009539F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 05-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1724.59
Avg. Ambient Temperature,°C	: 25

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	18
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	55
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
03-12-2020
Reviewer

Saurabh
03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011210518 Sample Reg. Date :21-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030081 NABL ULR No. :TC592620000009539F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
03-12-2020
Reviewer

Saurabh
03-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210517 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030079 **NABL ULR No.** :TC592620000009538F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 05-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.21
Volume of air sampled,m3	: 1696.55
Avg. Ambient Temperature,°C	: 25

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	22
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011210517 Sample Reg. Date :21-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030079 NABL ULR No. :TC592620000009538F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matcnhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

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Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210516 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030078 **NABL ULR No.** :TC592620000009537F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 05-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1710.57
Avg. Ambient Temperature,°C	: 25

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	42
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011210516 Sample Reg. Date :21-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030078 NABL ULR No. :TC592620000009537F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
03-12-2020
Reviewer

Saurabh
03-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210515 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030070 **NABL ULR No.** :TC592620000009534F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 05-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1752.63
Avg. Ambient Temperature,°C	: 25

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ : 1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	**Sample Reg. No.** :E01-2011210515
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030070 **NABL ULR No.** :TC592620000009534F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210522 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030076 **NABL ULR No.** :TC592620000009515F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 09-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1778.59
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Test Report

Issued To	Sample Reg. No. :E01-2011210522 Sample Reg. Date :21-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030076 NABL ULR No. :TC592620000009515F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210521 **Sample Reg. Date** :21-11-2020 **Report Date** :03-12-2020 **Report No.** :ICE-2012030074 **NABL ULR No.** :TC592620000009523F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 09-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Test Report

Issued To	Sample Reg. No. :E01-2011210521 Sample Reg. Date :21-11-2020 Report Date :03-12-2020 Report No. :ICE-2012030074 NABL ULR No. :TC592620000009523F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matcnhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
03-12-2020
Reviewer

03-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210520 **Sample Reg. Date** :21-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040090 **NABL ULR No.** :TC592620000009560F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 09-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1736.24
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ : 1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210520 **Sample Reg. Date** :21-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040090 **NABL ULR No.** :TC592620000009560F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011210519 **Sample Reg. Date** :21-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040110 **NABL ULR No.** :TC592620000009558F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 09-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	42
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ : 1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	**Sample Reg. No.** :E01-2011210519
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :21-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040110 **NABL ULR No.** :TC592620000009558F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270692 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070162 **NABL ULR No.** :TC592620000009626F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 12-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Test Report

Issued To	Sample Reg. No. :E01-2011270692 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070162 NABL ULR No. :TC592620000009626F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2011270691
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070161 **NABL ULR No.** :TC592620000009625F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No. 3
Date of Monitoring	: 12-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.6
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270691 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070161 **NABL ULR No.** :TC592620000009625F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270693 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070163 **NABL ULR No.** :TC592620000009627F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 12-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1736.24
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2011270693
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070163 **NABL ULR No.** :TC592620000009627F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270690 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070160 **NABL ULR No.** :TC592620000009624F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 12-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2011270690 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070160 NABL ULR No. :TC592620000009624F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270696 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070166 **NABL ULR No.** :TC592620000009630F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 16-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1727.96
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	18
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	25
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2011270696
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070166 **NABL ULR No.** :TC592620000009630F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270695 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070165 **NABL ULR No.** :TC592620000009629F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 16-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1756.29
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
i.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2011270695 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070165 NABL ULR No. :TC592620000009629F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270697 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070167 **NABL ULR No.** :TC592620000009631F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test **Report as per**	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 16-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1770.45
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test **Details :**				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2011270697 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070167 NABL ULR No. :TC592620000009631F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270694 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070164 **NABL ULR No.** :TC592620000009628F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 16-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1756.29
Avg. Ambient Temperature,°C	: 22

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2011270694 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070164 NABL ULR No. :TC592620000009628F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270700 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070170 **NABL ULR No.** :TC592620000009635F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test **Report as per**	: NAAQS 2009
General Information	
Location of Sampling Point	: Village Khanpur
Date of Monitoring	: 19-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test **Details :**				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2011270700 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070170 NABL ULR No. :TC592620000009635F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270699 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070169 **NABL ULR No.** :TC592620000009634F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test **Report as per**	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 19-11-2020
Purpose of Monitoring	: For self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1778.59
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
i.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Test Report

Issued To	Sample Reg. No. :E01-2011270699 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070169 NABL ULR No. :TC592620000009634F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

V Saini
Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270701 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070171 **NABL ULR No.** :TC592620000009632F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test **Report as per**	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 19-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
i.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	7
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	41
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
07-12-2020
Reviewer

Saurabh
07-12-2020
Saurabh Sharma
[Authorized Signatory]

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1. Sample (s) not drawn by us unless otherwise stated

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270701 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070171 **NABL ULR No.** :TC592620000009632F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Results (a) not drawn by us unless otherwise stated

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011270698 **Sample Reg. Date** :27-11-2020 **Report Date** :07-12-2020 **Report No.** :ICE-2012070168 **NABL ULR No.** :TC592620000009633F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test **Report as per**	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 19-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test **Details :**				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	80
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ :0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2011270698 Sample Reg. Date :27-11-2020 Report Date :07-12-2020 Report No. :ICE-2012070168 NABL ULR No. :TC592620000009633F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ :1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ :1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

Vikrant
07-12-2020
Reviewer

07-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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Test Report

Issued To	Sample Reg. No. :E01-2012030067 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080197 NABL ULR No. :TC592620000009647F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village: Khanpur
Date of Monitoring	: 23-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030067 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080197 NABL ULR No. :TC592620000009647F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012030066 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080196 NABL ULR No. :TC592620000009642F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No. 3
Date of Monitoring	: 23-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1778.59
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2012030066 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080196 NABL ULR No. :TC592620000009642F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Results relate only to the items tested unless otherwise stated

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Test Report

Issued To	Sample Reg. No. :E01-2012030068 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080198 NABL ULR No. :TC592620000009648F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 23-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	6
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	41
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2012030068 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080198 NABL ULR No. :TC592620000009648F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012030065 **Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080191 **NABL ULR No.** :TC592620000009641F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 23-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	5
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	7
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	33
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012030065 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080191 NABL ULR No. :TC592620000009641F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012030071 **Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080201 **NABL ULR No.** :TC592620000009651F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village: Khanpur
Date of Monitoring	: 26-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1758.53
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012030071 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080201 NABL ULR No. :TC592620000009651F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012030070 **Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080200 **NABL ULR No.** :TC592620000009650F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No. 3
Date of Monitoring	: 26-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1772.60
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	11
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030070 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080200 NABL ULR No. :TC592620000009650F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Document QF : 2501

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012030072 **Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080202 **NABL ULR No.** :TC592620000009652F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 26-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1744.46
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	80
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	36
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Results (s) set down by us unless otherwise stated

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	**Sample Reg. No.** :E01-2012030072
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080202 **NABL ULR No.** :TC592620000009652F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012030069 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080199 NABL ULR No. :TC592620000009649F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 26-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1730.40
Avg. Ambient Temperature,°C	: 24

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Remarks (if) not drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030069 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080199 NABL ULR No. :TC592620000009649F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012030075 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080193 NABL ULR No. :TC592620000009645F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village: Khanpur
Date of Monitoring	: 30-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	45
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030075 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080193 NABL ULR No. :TC592620000009645F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012030074 **Sample Reg. Date** :03-12-2020 **Report Date** :08-12-2020 **Report No.** :ICE-2012080194 **NABL ULR No.** :TC592620000009644F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No. 3
Date of Monitoring	: 30-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1778.59
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Results (s) not drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030074 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080194 NABL ULR No. :TC592620000009644F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012030076 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080192 NABL ULR No. :TC592620000009646F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 30-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1750.36
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	38
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Test Report

Issued To	Sample Reg. No. :E01-2012030076 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080192 NABL ULR No. :TC592620000009646F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*****End Of Report*****

Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012030073 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080195 NABL ULR No. :TC592620000009643F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 30-11-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.22
Volume of air sampled,m3	: 1722.13
Avg. Ambient Temperature,°C	: 23

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	87
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. - 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
08-12-2020
Reviewer

08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Results are drawn by us unless otherwise stated

Test Report

Issued To	Sample Reg. No. :E01-2012030073 Sample Reg. Date :03-12-2020 Report Date :08-12-2020 Report No. :ICE-2012080195 NABL ULR No. :TC592620000009643F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
08-12-2020
Reviewer

Saurabh
08-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011070254 **Sample Reg. Date** :07-11-2020 **Report Date** :09-12-2020 **Report No.** :ICE-2012090239 **NABL ULR No.** :TC592620000009687F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 370 TPH
(d) Normal operating schedule	: 24 Hrs
2. Stack Identification	: Stack attached to Boiler, Unit -II (at 65 meters height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 37
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF+ FGD+ Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 49
Flue Gas Velocity(m/s),Avg.	: 15.58
Volumetric Flow Rate(Nm^3/hr.)	: 1944080.35
Ambient Air Temperature, °C	: 21

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	33
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	158

Vikrant
09-12-2020
Reviewer

09-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
Visit us : www.itclabs.com **Email :** customersupport@itclabs.com

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- Total Liability of this Laboratory is limited to the Invoiced amount.
- Test certificates in full or parts shall not be used for promotional or publicity purpose.
- If sample is not consumed during analysis,it will be stored as per required storage condition.

Test Report

Issued To	**Sample Reg. No.** :E01-2011070254
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :07-11-2020 **Report Date** :09-12-2020 **Report No.** :ICE-2012090239 **NABL ULR No.** :TC592620000009687F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	150
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS:11255(P-1)	Not Specified	3.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ :- Below Limit of Quantification, LOQ :- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 06.11.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
09-12-2020
Reviewer

Saurabh
09-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050144 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040114 **NABL ULR No.** :TC592620000009565F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	ETP Outlet Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	05-11-2020
m)	Date of Start	05-11-2020
n)	Date of Completion	04-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 03.11.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Test Report

Issued To	**Sample Reg. No.** :E01-2011050144
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040114 **NABL ULR No.** :TC592620000009565F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	ETP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	5.5-9	7.88
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	10
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Max. 2100--	2042
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Max. 250	64
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	18
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Zinc(As Zn)(mg/l)	IS: 3025 (P-2)	Max. 5.0	BLQ(LOQ:0.05)
j.	Arsenic(as As)(mg/L)	IS: 3025 (P-2)	Max. 0.2	BLQ(LOQ:0.05)
k.	Total Chromium as Cr(mg/L)	IS: 3025 (P-2)	Max. 2.0	BLQ(LOQ:0.05)
l.	Cyanide as CN, (mg/L)	IS:3025(P-27)	Max. 0.2	Absent
m.	Iron(as Fe)(mg/l)	IS: 3025 (P-2)	Max. 3.0	BLQ(LOQ:0.05)
n.	Bio Assay Test	IS:6582-1971	Minimum 90 % survival of fish was observed after 96 hours in 100 % effluent	100% survival of fishes was observed in 100% effluent after 96 hours

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050144 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040114 **NABL ULR No.** :TC592620000009565F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

o.	Temperature(°C)	IS: 3025 (P-9)	Not Specified	24.7
p.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Not Specified	2.1
q.	Phosphate as P (mg/l)	APHA-23rd Edition	Not Specified	0.6

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ :- Below Limit of Quantification, LOQ :- Limit of Quantification,Requirement as per EPA 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030, Purpose- For Self Monitoring

PART D : REMARKS :N/A

*******End Of Report*******

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050148 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040106 **NABL ULR No.** :TC592620000009569F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per IS: EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water (Plant)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2 Ltr
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	05-11-2020
m)	Date of Start	05-11-2020
n)	Date of Completion	04-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 03.11.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:

Issued To	Sample Reg. No. :E01-2011050148 Sample Reg. Date :05-11-2020 Report Date :04-12-2020 Report No. :ICE-2012040106 NABL ULR No. :TC592620000009569F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.76
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	19
e.	Total Dissolved Solids (mg/L)	IS;3025(Part 16):1984(RA.2006)	Not Specified	4554
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	36
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	10
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirement as per EPA 1986/PCLS/2010,G.S.R. 1265(E), Dated 13.10.2017, Sampling Procedure - SOP/ITC/EW/030, Purpose- For Self Monitoring

PART D : REMARKS :N/A

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2011050152 **Sample Reg. Date** :05-11-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040109 **NABL ULR No.** :TC592620000009573F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water (Township)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2 Ltr
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	05-11-2020
m)	Date of Start	05-11-2020
n)	Date of Completion	04-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 03.11.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a.	Reference to sampling procedure, whenever applicable	: N/A

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Issued To	Sample Reg. No. :E01-2011050152 Sample Reg. Date :05-11-2020 Report Date :04-12-2020 Report No. :ICE-2012040109 NABL ULR No. :TC592620000009573F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.42
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	24
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	818
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	84
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	25
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirement as per EPA 1986/PCLS/2010,G.S.R. 1265(E), Dated 13.10.2017, Sampling Procedure - SOP/ITC/EW/030, Purpose- For Self Monitoring

PART D : REMARKS :N/A

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

Disclaimer:
1. Sample (s) not drawn by us unless otherwise stated

Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012010020 **Sample Reg. Date** :01-12-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040127 **NABL ULR No.** :TC592620000009557F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of Sample	: Ambient Noise
Date of Monitoring	: 26-11-2020
Time of Monitoring	: Day & Night
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring

TEST RESULTS

Description

Description	Noise Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Location Name**			
a.	Near Gate No.1 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	65.7
b.	Near Gate No.1 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	62.5
c.	Near Gate No.2 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	63.9
d.	Near Gate No.2 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	60.6
e.	Near Gate No.3 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	66.7
f.	Near Gate No.3 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	63.8
g.	Near Guest House (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	59.9
h.	Near Guest House (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	58.0

Vikrant
04-12-2020
Reviewer

04-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012010020 **Sample Reg. Date** :01-12-2020 **Report Date** :04-12-2020 **Report No.** :ICE-2012040127 **NABL ULR No.** :TC592620000009557F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirements as per EPA Act 1986/PCLS/2010, Day time - 06 :00 Hrs To 22 :00 Hrs, Night Time - 22 :00 Hrs To 06 :00 Hrs, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-12-2020
Reviewer

Saurabh
04-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120440 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190666 **NABL ULR No.** :TC592620000010123F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 02-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1754.02
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BQL (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120440 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190666 NABL ULR No. :TC592620000010123F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120441 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190668 **NABL ULR No.** :TC592620000010133F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 02-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1796.80
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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Disclaimer:
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2. Total Liability of this Laboratory is limited to the Invoiced amount.
3. Test certificates in full or parts shall not be used for promotional or Publicity purpose.
4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120441 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190668 NABL ULR No. :TC592620000010133F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012120442 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190670 NABL ULR No. :TC592620000010132F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 02-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1768.28
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	54
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012120442 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190670 NABL ULR No. :TC592620000010132F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120443 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190669 NABL ULR No. :TC592620000010131F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 02-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1768.28
Avg. Ambient Temperature,°C	: 20

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012120443 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190669 **NABL ULR No.** :TC592620000010131F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	**Sample Reg. No.** :E01-2012120444
Jhajjar Power Limited	**Sample Reg. Date** :12-12-2020
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar	**Report Date** :19-12-2020
Jhajjar	**Report No.** :ICE-2012190672
	NABL ULR No. :TC592620000010127F
	Customer Ref. No. :PO
	Letter Dated :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 05-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1748.05
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	36
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Phone : (O) 0172-2561543, 2565825,
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012120444 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190672 **NABL ULR No.** :TC592620000010127F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120445 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190673 **NABL ULR No.** :TC592620000010106F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 05-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1790.69
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120445 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190673 NABL ULR No. :TC592620000010106F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120446 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190674 **NABL ULR No.** :TC592620000010097F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 05-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1762.27
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	16
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120446 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190674 NABL ULR No. :TC592620000010097F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	**Sample Reg. No.** :E01-2012120447
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190675 **NABL ULR No.** :TC592620000010115F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 05-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1762.27
Avg. Ambient Temperature,°C	: 21

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	9
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	82
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.0
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120447 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190675 NABL ULR No. :TC592620000010115F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V. Saini
Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012120448 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190676 NABL ULR No. :TC592620000010116F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 09-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.23
Volume of air sampled,m3	: 1760.03
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

V Saini
Vikrant
19-12-2020
Reviewer

Saurabh
19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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(A Government Approved Test House)
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Test Report

Issued To	Sample Reg. No. :E01-2012120448 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190676 NABL ULR No. :TC592620000010116F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012120449 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190677 NABL ULR No. :TC592620000010117F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 09-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1802.95
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Test Report

Issued To	Sample Reg. No. :E01-2012120449 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190677 NABL ULR No. :TC592620000010117F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120450 **Sample Reg. Date** :12-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190671 **NABL ULR No.** :TC592620000010121F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village-Khanpur
Date of Monitoring	: 09-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1788.64
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	90
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LLOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

V Saini

Vikrant
19-12-2020
Reviewer

Saurabh

19-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012120450 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190671 NABL ULR No. :TC592620000010121F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012120451 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190667 NABL ULR No. :TC592620000010112F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 09-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1774.34
Avg. Ambient Temperature,°C	: 19

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ(LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ(LOQ:1.0)

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	Sample Reg. No. :E01-2012120451 Sample Reg. Date :12-12-2020 Report Date :19-12-2020 Report No. :ICE-2012190667 NABL ULR No. :TC592620000010112F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification,Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240769 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290992 **NABL ULR No.** :TC592620000010436F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 12-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1819.81
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	88
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240769 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290992 **NABL ULR No.** :TC592620000010436F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240770 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290993 **NABL ULR No.** :TC592620000010437F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 12-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1840.78
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	16
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	97
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	51
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012240770 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012290993 NABL ULR No. :TC592620000010437F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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ITC Labs

TC-5926

Test Report

Document QF : 2501

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-201224077I **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290995 **NABL ULR No.** :TC592620000010444F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 12-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1840.78
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	19
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	23
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	52
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825,
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012240771 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012290995 NABL ULR No. :TC592620000010444F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012240772 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012290996 NABL ULR No. :TC592620000010446F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 12-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1826.17
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240772 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290996 **NABL ULR No.** :TC592620000010446F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240773 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290998 **NABL ULR No.** :TC592620000010448F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 16-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.29
Volume of air sampled,m3	: 1884.61
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	15
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240773 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290998 **NABL ULR No.** :TC592620000010448F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240774 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290999 **NABL ULR No.** :TC592620000010450F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 16-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1840.78
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	17
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240774 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012290999 **NABL ULR No.** :TC592620000010450F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240775 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291000 **NABL ULR No.** :TC592620000010452F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 16-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1840.78
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	95
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240775 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291000 **NABL ULR No.** :TC592620000010452F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240776 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291002 **NABL ULR No.** :TC592620000010453F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 16-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 144
Avg. Flow Rate of Sampling,m3/min	: 1.25
.Volume of air sampled,m3	: 1826.17
Avg. Ambient Temperature,°C	: 13

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	8
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	37
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
|Authorized Signatory|

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012240776 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012291002 NABL ULR No. :TC592620000010453F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
29-12-2020
Reviewer

Saurabh
29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240777 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291003 **NABL ULR No.** :TC592620000010454F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 19-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.24
Volume of air sampled,m3	: 1805.25
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	10
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	86
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	41
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012240777 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012291003 NABL ULR No. :TC592620000010454F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max.	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240778 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291004 **NABL ULR No.** :TC592620000010456F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 19-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1848.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	21
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	46
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
29-12-2020
Reviewer

Saurabh

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240778 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291004 **NABL ULR No.** :TC592620000010456F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240779 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291005 **NABL ULR No.** :TC592620000010459F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 19-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1819.81
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	17
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	24
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	96
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	51
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012240779 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291005 **NABL ULR No.** :TC592620000010459F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012240780 **Sample Reg. Date** :24-12-2020 **Report Date** :29-12-2020 **Report No.** :ICE-2012291007 **NABL ULR No.** :TC592620000010460F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 19-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1842.50
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	9
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	13
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	84
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012240780 Sample Reg. Date :24-12-2020 Report Date :29-12-2020 Report No. :ICE-2012291007 NABL ULR No. :TC592620000010460F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
29-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010039 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040136 **NABL ULR No.** :TC592621000000130F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Near Guest House
Date of Monitoring	: 23-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.25
Volume of air sampled,m3	: 1813.49
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	14
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	86
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Document QF : 2501

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010039 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040136 **NABL ULR No.** :TC592621000000130F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs
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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010040 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040135 **NABL ULR No.** :TC592621000000131F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Gate No.3
Date of Monitoring	: 23-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.32
Volume of air sampled,m3	: 1921.71
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	14
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	19
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	50
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.4
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Document QF : 2501

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010040 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040135 **NABL ULR No.** :TC592621000000131F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010041
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040134 **NABL ULR No.** :TC592621000000132F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 23-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1834.36
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	91
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	48
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2101010041 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040134 **NABL ULR No.** :TC592621000000132F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101010042 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040133 NABL ULR No. :TC592621000000133F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 23-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1834.36
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	10
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	38
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010042 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040133 NABL ULR No. :TC592621000000133F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Document QF : 2501

Issued To	Sample Reg. No. :E01-2101010043 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040132 NABL ULR No. :TC592621000000106F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 26-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.31
Volume of air sampled,m3	: 1907.16
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	6
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	8
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	81
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010043 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040132 NABL ULR No. :TC592621000000106F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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TC-5926

Test Report

Document QF : 2501

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010044 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040131 **NABL ULR No.** :TC592621000000105F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 26-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.30
Volume of air sampled,m3	: 1892.60
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	89
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	39
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010044 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040131 NABL ULR No. :TC592621000000105F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010045
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040130 **NABL ULR No.** :TC592621000000104F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 26-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.27
Volume of air sampled,m3	: 1848.92
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	15
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	93
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	43
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.1
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010045 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040130 NABL ULR No. :TC592621000000104F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010046 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040129 **NABL ULR No.** :TC592621000000103F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 26-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1863.48
Avg. Ambient Temperature,°C	: 14

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	7
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	85
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	40
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Document QF : 2501

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010046 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040129 **NABL ULR No.** :TC592621000000103F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

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TC-5926

Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010047 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040127 **NABL ULR No.** :TC592621000000101F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Guest House
Date of Monitoring	: 30-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1827.99
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	11
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	35
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010047 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040127 NABL ULR No. :TC592621000000101F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010048
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040126 **NABL ULR No.** :TC592621000000102F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Gate No.3
Date of Monitoring	: 30-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.28
Volume of air sampled,m3	: 1857.01
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	13
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	20
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	94
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	51
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.3
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010048 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040126 **NABL ULR No.** :TC592621000000102F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Interstellar Testing Centre Pvt. Ltd.

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2101010049
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040128 **NABL ULR No.** :TC592621000000100F **Customer Ref. No.** :PO **Letter Dated** :29.10.2020

Test Report as per : NAAQS 2009

General Information

Location of Sampling Point	: Village- Khanpur
Date of Monitoring	: 30-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.20
Volume of air sampled,m3	: 1740.95
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	12
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	18
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	92
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	49
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	1.2
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

V Saini

Vikrant
04-01-2021
Reviewer

Saurabh

04-01-2021
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010049 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040128 NABL ULR No. :TC592621000000100F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs
Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2101010050 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040125 NABL ULR No. :TC592621000000099F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per	: NAAQS 2009
General Information	
Location of Sampling Point	: Near Shakti Vihar
Date of Monitoring	: 30-12-2020
Purpose of Monitoring	: For Self Monitoring
Duration of Monitoring,minutes	: 1440
Avg. Flow Rate of Sampling,m3/min	: 1.26
Volume of air sampled,m3	: 1827.99
Avg. Ambient Temperature,°C	: 15

TEST RESULTS

Description

Description	Ambient Air Quality Monitoring

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Ambient Air Quality Parameters**			
a.	Sulphur Dioxide(SO2),µg/m3	IS:5182(P-2)	80 Max	8
b.	Nitrogen Dioxide(NO2),µg/m3	IS:5182(P-6)	80 Max	12
c.	Particulate Matter (PM_{10}),µg/m3	IS:5182(P-23)	100 Max	83
d.	Particulate matter ($PM_{2.5}$),µg/m3	STP/ITC/EW-01	60 Max	44
e.	Ozone(O_3),µg/m3	IS:5182(P-9)	180 Max	BLQ (LOQ:14)
f.	Lead(As Pb),µg/m3	Method of Air sampling & Analysis(Method No. 822)	1.0 Max	BLQ(LOQ : 0.1)
g.	Carbon Monoxide(CO),mg/m3	IS:5182(P-10)	4 Max	BLQ (LOQ:1.0)
h.	Ammonia(NH3),µg/m3	Method of Air Sampling &Analysis(Method No. 401)	400 Max	BLQ (LOQ:5.0)
i.	Benzene (C_6H_6),µg/m3	IS 5182 (Part 11)	5 Max	BLQ (LOQ:1.0)

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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4. If sample is not consumed during analysis, it will be stored as per required storage condition.
5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2101010050 Sample Reg. Date :01-01-2021 Report Date :04-01-2021 Report No. :ICE-2101040125 NABL ULR No. :TC592621000000099F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

j.	Benzo (a) Pyrene Particulate Phase only,ng/m3	IS 5182: (Part 12)	1 Max	BLQ(LOQ:0.5)
k.	Arsenic(as As),ng/m3	Method of Air sampling & Analysis(Method No. 822)	6 Max.	BLQ(LOQ : 1.0)
l.	Nickel(As Ni),ng/m3	Method of Air sampling & Analysis(Method No. 822)	20 Max.	BLQ(LOQ : 1.0)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per NAAQS 2009, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012080253 **Sample Reg. Date** :08-12-2020 **Report Date** :16-12-2020 **Report No.** :ICE-2012160585 **NABL ULR No.** :TC592620000010042F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 370 TPH
(d) Normal operating schedule	: 24 Hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meters height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 37
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF+ FGD+ Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 139
Flue Gas Velocity(m/s),Avg.	: 19.51
Volumetric Flow Rate(Nm^3/hr.)	: 1897524.20
Ambient Air Temperature, °C	: 37

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	30
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	109

Vikrant
16-12-2020
Reviewer

16-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2012080253
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :08-12-2020 **Report Date** :16-12-2020 **Report No.** :ICE-2012160585 **NABL ULR No.** :TC592620000010042F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	89
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	2.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sample collected by lab rep. on dated 04.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
16-12-2020
Reviewer

Saurabh
16-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012120390 **Sample Reg. Date** :12-12-2020 **Report Date** :17-12-2020 **Report No.** :ICE-2012170599 **NABL ULR No.** :TC592620000010296F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 404 MW
(c) Type of fuel used & its consumption	: Coal & 240 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler - Unit II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 34
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low NOx Burner Working
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 16.98
Volumetric Flow Rate(Nm^3/hr.)	: 2082929.96
Ambient Air Temperature, °C	: 22

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	27
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	110

Vikrant
25-12-2020
Reviewer

25-12-2020
Saurabh Sharma
[Authorized Signatory]

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(A Government Approved Test House)
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Test Report

Issued To	**Sample Reg. No.** :E01-2012120390
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :12-12-2020 **Report Date** :17-12-2020 **Report No.** :ICE-2012170599 **NABL ULR No.** :TC592620000010296F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	88
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	1.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sample collected by lab rep. on dated 11.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
25-12-2020
Reviewer

Saurabh
25-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012150496 **Sample Reg. Date** :15-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190665 **NABL ULR No.** :TC592620000010261F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 640 MW
(c) Type of fuel used & its consumption	: Coal & 393 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (ai 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low Nox Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 50
Flue Gas Velocity(m/s),Avg.	: 16.17
Volumetric Flow Rate(Nm^3/hr.)	: 1978835.93
Ambient Air Temperature, °C	: 18

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	29
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	108

Vikrant
19-12-2020
Reviewer

19-12-2020
Saurabh Sharma
[Authorized Signatory]

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(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
Phone : (O) 0172-2561543, 2565825
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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2012150496
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :15-12-2020 **Report Date** :19-12-2020 **Report No.** :ICE-2012190665 **NABL ULR No.** :TC592620000010261F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	94
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	2.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 14.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
19-12-2020
Reviewer

Saurabh
19-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012210649 **Sample Reg. Date** :21-12-2020 **Report Date** :25-12-2020 **Report No.** :ICE-2012250804 **NABL ULR No.** :TC592620000010277F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 360 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-I (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low Nox Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 52
Flue Gas Velocity(m/s),Avg.	: 16.08
Volumetric Flow Rate(Nm^3/hr.)	: 1950339.49
Ambient Air Temperature, °C	: 14

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	24
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	147

Vikrant
25-12-2020
Reviewer

25-12-2020
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2012210649
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :21-12-2020 **Report Date** :25-12-2020 **Report No.** :ICE-2012250804 **NABL ULR No.** :TC592620000010277F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	104
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	2.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 18.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
25-12-2020
Reviewer

Saurabh
25-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012210651 **Sample Reg. Date** :21-12-2020 **Report Date** :25-12-2020 **Report No.** :ICE-2012250819 **NABL ULR No.** :TC592620000010279F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 378 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP + FF + FGD + Low Nox Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 16.12
Volumetric Flow Rate(Nm^3/hr.)	: 1961225.62
Ambient Air Temperature, °C	: 14

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	26
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	128

Vikrant
25-12-2020
Reviewer

25-12-2020
Saurabh Sharma
[Authorized Signatory]

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(A Government Approved Test House)
86, Industrial Area, Phase-1, Panchkula-134109 (Haryana)
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Test Report

Issued To	**Sample Reg. No.** :E01-2012210651
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :21-12-2020 **Report Date** :25-12-2020 **Report No.** :ICE-2012250819 **NABL ULR No.** :TC592620000010279F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	99
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	1.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010 , Sample collected by lab rep. on dated 18.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
25-12-2020
Reviewer

Saurabh
25-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2012291097
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :29-12-2020 **Report Date** :02-01-2021 **Report No.** :ICE-2101020068 **NABL ULR No.** :TC592621000000026F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: stack emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 367 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Bolier (Unit-II) at 65 meters hight
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP+FF+FGD+Low Nox Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 17.28
Volumetric Flow Rate(Nm^3/hr.)	: 2119730.84
Ambient Air Temperature, °C	: 14

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	26
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	104

Vikrant
02-01-2021
Reviewer

02-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2012291097
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :29-12-2020 **Report Date** :02-01-2021 **Report No.** :ICE-2101020068 **NABL ULR No.** :TC592621000000026F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	88
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	2.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 25.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
02-01-2021
Reviewer

Saurabh
02-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012291095 **Sample Reg. Date** :29-12-2020 **Report Date** :04-01-2021 **Report No.** :ICE-2101040081 **NABL ULR No.** :TC592621000000090F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Satck Emission of Boiler
(a) Rated Capacity	: 660 mw
(b) Capacity on sampling day	: 655 mw
(c) Type of fuel used & its consumption	: Coal & 370 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Satck attached to boiler,Unit-I(at 65 meters height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 33
Purpose of Monitoring	: for self monitoring
(8) Air Pollution control measure	: ESP+FF+FGD+Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 51
Flue Gas Velocity(m/s),Avg.	: 17.51
Volumetric Flow Rate(Nm^3/hr.)	: 2147944.85
Ambient Air Temperature, °C	: 14

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	29
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	124

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	**Sample Reg. No.** :E01-2012291095
Jhajjar Power Limited	**Sample Reg. Date** :29-12-2020
Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar	**Report Date** :04-01-2021
Jhajjar	**Report No.** :ICE-2101040081
	NABL ULR No. :TC592621000000090F
	Customer Ref. No.:PO
	Letter Dated :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	99
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ:0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	1.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sample collected by lab rep. on dated 25.12.2020, Sampling Procedure - SOP/ITC/EW/056

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2101010021 **Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040113 **NABL ULR No.** :TC592621000000123F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per : EPA Act 1986/PCLS/2010

General Information

Name of the emission source monitored	: Stack Emission of Boiler
(a) Rated Capacity	: 660 MW
(b) Capacity on sampling day	: 650 MW
(c) Type of fuel used & its consumption	: Coal & 378 Ton/hr
(d) Normal operating schedule	: 24 hrs
2. Stack Identification	: Stack attached to Boiler, Unit-II (at 65 meter's height)
3.Type of Stack/Duct	: Metal
4.Stack Height from Ground Level(m)	: 275
Diameter of the Stack(cm)	: 700
(6) Sampling Duration(minutes)	: 36
Purpose of Monitoring	: For Self Monitoring
(8) Air Pollution control measure	: ESP+ FF + FGD + Low NOx Burner
(a) Status	: Working
(b) Recovery of Material	: -
(9) Fugitive Emission,if any	: Nil

Observations

Flue Gas Temperature, °C,Avg.	: 49
Flue Gas Velocity(m/s),Avg.	: 16.03
Volumetric Flow Rate(Nm^3/hr.)	: 1978607.45
Ambient Air Temperature, °C	: 14

TEST RESULTS

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Particulate Matter, mg/Nm^3 (Corrected at 6% O_2)	IS:11255(P-1)	Max. 50	22
b.	Sulphur Dioxide (SO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-2)	Max. 200	142

Vikrant
04-01-2021
Reviewer

04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Test Report

Issued To	**Sample Reg. No.** :E01-2101010021
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :01-01-2021 **Report Date** :04-01-2021 **Report No.** :ICE-2101040113 **NABL ULR No.** :TC592621000000123F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

c.	Oxides of Nitrogen (NO_2), mg/Nm^3 (Corrected at 6% Dry O_2)	IS:11255(P-7)	Max. 450	109
d.	Mercury(As Hg),mg/Nm3	USEPA Method	Max. 0.03	BLQ(LOQ : 0.01)
e.	Carbon Monoxide(CO),% v/v	IS:13270	Max. 1.0	0.2
f.	Moisture, % by mass	IS: 11255 (P-3)	Not Specified	1.8

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Sampling Procedure: SOP/ITC/EW/056. Sample Collected by lab rep. on dated 31.12.2020

REMARKS :N/A

*******End Of Report*******

V Saini
Vikrant
04-01-2021
Reviewer

Saurabh
04-01-2021
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To	Sample Reg. No. :E01-2012210628 Sample Reg. Date :21-12-2020 Report Date :28-12-2020 Report No. :ICE-2012280898 NABL ULR No. :TC592620000010471F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per IS: EPA Act 1986/PCLS/2010	With Amendment No.(s):

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	ETP Outlet Water
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2+5 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in cans
l)	Date of Receipt	21-12-2020
m)	Date of Start	21-12-2020
n)	Date of Completion	28-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 19.12.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

Vikrant
28-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
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Disclaimer:
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5. The results relate to the item tested.

Test Report

Issued To	Sample Reg. No. :E01-2012210628 Sample Reg. Date :21-12-2020 Report Date :28-12-2020 Report No. :ICE-2012280898 NABL ULR No. :TC592620000010471F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	ETP Outlet Water

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA:2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	5.5-9	7.64
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	5
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Max. 2100--	497
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Max. 250	40
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	6
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	0.2
i.	Zinc(As Zn)(mg/l)	IS: 3025 (P-2)	Max. 5.0	BLQ(LOQ : 0.05)
j.	Arsenic(as As)(mg/L)	IS: 3025 (P-2)	Max. 0.2	BLQ(LOQ : 0.05)
k.	Total Chromium as Cr(mg/L)	IS: 3025 (P-2)	Max. 2.0	BLQ(LOQ : 0.05)
l.	Cyanide as CN, (mg/L)	IS:3025(P-27)	Max. 0.2	Absent
m.	Iron(as Fe)(mg/l)	IS: 3025 (P-2)	Max. 3.0	BLQ(LOQ : 0.05)
n.	Bio Assay Test	IS:6582-1971	Minimum 90 % survival of fish was observed after 96 hours in 100 % effluent	90% survival of fishes was observed in 100% effluent after 96 hours

V Saini
Vikrant
28-12-2020
Reviewer

Saurabh
29-12-2020
Saurabh Sharma
[Authorized Signatory]

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5. The results relate to the item tested.

Test Report

Issued To	**Sample Reg. No.** :E01-2012210628 **Sample Reg. Date** :21-12-2020 **Report Date** :28-12-2020 **Report No.** :ICE-2012280898 **NABL ULR No.** :TC592620000010471F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

o.	Temperature(°C)	IS: 3025 (P-9)		23
p.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2
q.	Phosphate as P (mg/l)	APHA-23rd Edition	Not Specified	BLQ(LOQ:0.1)

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, BLQ- Below limit of Quantification, LOQ- Limit of Quantification, Requirements as per EPA Act 1986/PCLS/2010, Sampling Procedure - SOP/ITC/EW/030

PART D : REMARKS :N/A

*******End Of Report*******

Vikrant
28-12-2020
Reviewer

29-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs — Assuring Integrity Trust & Confidence

TC-5926

Test Report

Issued To	Sample Reg. No. :E01-2012210632 Sample Reg. Date :21-12-2020 Report Date :26-12-2020 Report No. :ICE-2012260846 NABL ULR No. :TC592620000010465F Customer Ref. No. :PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

Test Report as per IS:EPA Act 1986/PCLS/2010	With Amendment No.(s):

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample#	STP Outlet Water (Plant)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number#	NA
g)	D.O.M#	NA
h)	Date of Expiry#	NA
i)	Sample Quantity#	2 Ltr
j)	Batch Size/Location#	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	21-12-2020
m)	Date of Start	21-12-2020
n)	Date of Completion	26-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 19.12.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By#	NA
t)	Supplied By#	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

V Saini
Vikrant
26-12-2020
Reviewer

26-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
86, Industrial Area, Phase-I, Panchkula-134109 (Haryana)
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Test Report

Issued To	Sample Reg. No. :E01-2012210632 Sample Reg. Date :21-12-2020 Report Date :26-12-2020 Report No. :ICE-2012260846 NABL ULR No. :TC592620000010465F Customer Ref. No.:PO Letter Dated :29.10.2020
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Plant)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.27
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	3
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	306
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	60
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	17
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	<0.1
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.2

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirement as per EPA 1986/PCLS/2010,G.S.R. 1265(E), Dated 13.10.2017. Sampling Procedure: SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

V Saini
Vikrant
26-12-2020
Reviewer

Saurabh
26-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

ITC Labs

TC-5926

Test Report

Document QF : 2501

Issued To	**Sample Reg. No.** :E01-2012210636
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. Date** :21-12-2020 **Report Date** :26-12-2020 **Report No.** :ICE-2012260847 **NABL ULR No.** :TC592620000010447F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per IS:EPA Act 1986/PCLS/2010	**With Amendment No.(s):**

PART A : PARTICULARS OF SAMPLE SUBMITTED

a)	Nature of Sample #	STP Outlet Water (Township)
b)	Grade / Variety / Type / Class / Size etc.	NA
c)	Brand Name	NA
d)	Declared Values,if any	NA
e)	Code No.	
f)	Batch Number #	NA
g)	D.O.M #	NA
h)	Date of Expiry #	NA
i)	Sample Quantity #	2 Ltr
j)	Batch Size/Location #	NA
k)	Mode of Packing	Packed in can
l)	Date of Receipt	21-12-2020
m)	Date of Start	21-12-2020
n)	Date of Completion	26-12-2020
o)	Seal (Intact/Not Intact/Unsealed)	NA
p)	IO'S Signature (Signed/Unsigned)	Unsigned
q)	Any Other Information	Sample collected by lab rep. on 19.12.2020
r)	Test Request Submitted By	Jhajjar Power Limited-Jhajjar (Haryana)
s)	Manufactured By #	NA
t)	Supplied By #	NA

PART B : SUPPLIMENTARY INFORMATIONS

a. Reference to sampling procedure, whenever applicable : N/A

V Saini

Vikrant
26-12-2020
Reviewer

26-12-2020
Saurabh Sharma
[Authorized Signatory]

Interstellar Testing Centre Pvt. Ltd.
(ISO 9001:2015 & 14001:2015 OHSAS 18001:2007 Certified Laboratory)
(A Government Approved Test House)
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Test Report

Issued To	
Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012210636 **Sample Reg. Date** :21-12-2020 **Report Date** :26-12-2020 **Report No.** :ICE-2012260847 **NABL ULR No.** :TC592620000010447F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

b.	Supporting documents for the measurement taken and results derived like graphs, tables, sketches and / or photographs as appropriate to test reports, if any	: N/A
c.	Deviation from the test methods as prescribed in relevant ISS/WORK Instruments, if any	: N/A

PART C : TEST RESULTS

Description

Description	STP Outlet Water (Township)

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**General Parameters**			
a.	Colour	IS:3025(Part4):1983(RA: 2017)amd. no1	Not Specified	Colourless
b.	Odour	IS:3025(Part 5):1983(RA:2017)	Not Specified	None
c.	pH Value	IS:3025 (Part - 11):1983(RA:2017)	6.5-9	7.25
d.	Total Suspended Solids,(mg/L)	IS:3025(Part 17)	Max. 100	45
e.	Total Dissolved Solids (mg/L)	IS:3025(Part 16):1984(RA.2006)	Not Specified	630
f.	Chemical Oxygen Demand(mg/l)	APHA-23rd Edition	Not Specified	192
g.	Bio-chemical Oxygen Demand, mg/L (3 days at 27°C)	IS:3025(P-44)	Max. 30	26
h.	Oil & Grease(mg/l)	IS:3025(P-39)	Max. 10	1.8
i.	Free Residual Chlorine (mg/L)	IS:3025(P-26)	Max. 1.0	0.4

'#' represents Customer Defined Fields

NOTE : NA- Not Applicable, Requirement as per EPA 1986/PCLS/2010,G.S.R. 1265(E), Dated 13.10.2017. Sampling Procedure: SOP/ITC/EW/030, Purpose - For Self Monitoring

PART D : REMARKS :N/A

Vikrant
26-12-2020
Reviewer

26-12-2020
Saurabh Sharma
[Authorized Signatory]

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Interstellar Testing Centre Pvt. Ltd.

Test Report

Issued To Jhajjar Power Limited Village: Khanpur, Tehsil: Matenhail, Distt. Jhajjar Jhajjar	**Sample Reg. No.** :E01-2012210661 **Sample Reg. Date** :21-12-2020 **Report Date** :24-12-2020 **Report No.** :ICE-2012240770 **NABL ULR No.** :TC592620000010236F **Customer Ref. No.**:PO **Letter Dated** :29.10.2020

Test Report as per	: EPA Act 1986/PCLS/2010
General Information	
Name of Sample	: Noise Monitoring
Date of Monitoring	: 16-12-2020
Time of Monitoring	: Day & Night
Nature of Industry	: Thermal Power Plant
Purpose of Monitoring	: For Self Monitoring

TEST RESULTS

Description

Description	Noise for 10 Locations

S.No.	Test Parameter	Method	Requirement	Result
Test Details :				
1.	**Location Name**			
a.	Near Gate No.1 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	69.6
b.	Near Gate No.1 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	65.6
c.	Near Gate No.2 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	69.8
d.	Near Gate No.2 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	65.2
e.	Near Gate No.3 (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	68.0
f.	Near Gate No.3 (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	64.7
g.	Near Guest House (Day Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 75.0	60.3
h.	Near Guest House (Night Time), Leq dB (A)	IS: 9989 (Reaffirmed 2014)	Max. 70.0	59.4

Vikrant
24-12-2020
Reviewer

24-12-2020
Saurabh Sharma
[Authorized Signatory]

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Annexure-IV

Quarterly Average Ash Content Report

Name of power plant	Capacity	Type of coal	Period	Average Ash Content (%)	Remarks
Mahatma Gandhi Thermal Power Plant, Jhajjar	1,320 MW (2x 660MW)	Linkage Domestic	Oct '20 to Dec'20	35.99%	Almost 100% of the generated ash has been utilized

Note: MGTPP's operates based on the domestic supplied under linkage provided by GOI/CIL subsidies. The entire coal burnt during the last quarter came though domestic coal supplied as per Fuel Supply Agreements (FSA) with 04 subsidiaries of Coal India Limited (CIL) viz. CCL, NCL, BCCL & ECL.

CLP India Information Classification: PROPRIETARY

Annexure-V

HARYANA STATE POLLUTION CONTROL BOARD
Universal Complex NH-10, MIE-1,1st Floor,
Delhi Rohtak Road,Bahadurgarh Ph. 01276-267077(O)

E-mail: hspcb.pkl@sify.com

No. HSPCB/Consent/ : 2816117JHACTO3583644 **Dated:27/03/2017**

To
Jhajjar Power Limited
Village - Khanpur, Tehsil-Matenhail

Subject: Grant of consent to operate to M/s Jhajjar Power Limited

Please refer to your application received on dated 2016-12-30 in regional office Bahadurgarh.

With reference to your above application for consent to operate,M/s Jhajjar Power Limited is here by granted
consent as per following specification/Terms and conditions.

Consent Under	BOTH/HWM
Period of consent	01/04/2017 - 30/09/2021
Industry Type	Power generation plants [expect wind, solar & mini hydel power plants of capacity < 25 MW and DG set of capacity > 5 MVA]
Category	RED
Investment	
1. Land (Rs.in LAKHS)	32256
2.Building(Rs.in LAKHS)	68221
Quantity of effluent	
1. Trade	2400.0 KL/Day
2. Domestic	400.0 KL/Day
Number of outlets	0.0
Mode of discharge	
1. Domestic	Recycle/reuse
2. Trade	Recycle/reuse
Domestic Effluent Parameters	
Trade Effluent Parameters	
Number of stacks	0
Height of stack	
Emission parameters	
Product Details	
Capacity of boiler	
Type of Furnace	
Type of Fuel	

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines values, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. Nothing in this consent shall be deemed to preclude the instruction of any legal action nor relieve the applicant form any responsibility, liabilities of penalties to which the applicant is or may be subject.
7. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
8. The consent being issued by the Board as above doesn't imply that unit performance conforms to law as required.The consent is being issued provisionally only with a view to accommodate the unit to provide it an opportunity to modify its operation immediately so as bring them in conformity with the law of the land.
9. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
10. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.
11. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
12. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.
13. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
14. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

15. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
16. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
17. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
18. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

(i) CTO so granted will be revoked & cancelled in case unit found Non-Complying at any stage during this period. (ii) Unit will comply the conditions/directions of CPCB/MOEF&CC. (iii) Unit will provide mechanized water sprinklers system at ash handling site & fogging system at coal handling site to control fugitive emissions.

Regional Officer, Bahadurgarh
Haryana State Pollution Control Board,
Panchkula.

HARAYANA STATE POLLUTION CONTROL BOARD
Universal Complex NH-10, MIE-1, 1st Floor, Delhi Rohtak Road,
Bahadurgarh Ph. 01276-267077 (O)
E-mail: hspcb.pkl@sify.com

No. HSPCB/Consent/ : 2816117JHACTOHWM3583644 **Dated:27/03/2017**

To

M/s. Jhajjar Power Limited
Village - Khanpur, Tehsil-Matenhail

Sub: Authorization for operating a facility for collection, reception, treatment, storage, transportation and disposal of hazardous wastes from 01/04/2017 to 30/09/2021

Please refer to your authorisation application dated 2016-12-30 received in the board on the subject cited above.

M/s Jhajjar Power Limited situated at above address is hereby granted an authorization to operate a facility for collection, reception, treatment, storage, Transportation and disposal of hazardous wastes on the premises of the unit.The authorization shall be in force for a period as mentioned in the subject.

The authorization is subjected to the conditions stated below and such conditions as may be specified in the rules for the time being in force under the Environment (protection) Act, 1986.

TERMS AND CONDITIONS OF AUTHORIZATION

1. The authorization shall comply with the provisions of the Environment (protection) Act, 1986 and the rules made thereunder.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell transfer or otherwise transport the hazardous wastes without obtaining prior permission of the State Pollution control Board.
4. An application for the renewal of an authorization shall be made as laid down in rule 5(6)(ii).
5. The unit should have the necessary facilities for collection, reception, treatment, Transport and disposal of such wastes under the rule. In case of deadly toxic wastes such as Cyanide, Chromium, Nickel, Zinc, etc., the unit shall make arrangement for the pre-treatment before dumping it in the disposal site so that the toxic element does not leach down to pollute the underground water resources.
6. The collection, reception and transportation of hazardous waste shall be carried out by the authorized person/personnel, fully trained for this purpose.
7. Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
8. The unit shall ensure the proper usage of safety measures such as providing of gloves, gum boots, face masks, goggles etc to the workers engaged in the handling of hazardous waste.
9. The authorization so granted shall be cancelled or suspended by the Board if the unit fails to comply with any condition of grant of authorization under these rules.
10. Used containers should be pre-cleaned by neutralizing and cleaning agents/solvents/chemicals.
11. The occupier shall not sell or transfer such waste on payment or without payment to any unauthorized people who do not hold any authorization.
12. The unit shall not dispose any Hazardous waste at any other Public Place.
13. Unit will maintain its non-leachate pucca storage site properly.
14. The unit will comply with provisions of all Environmental laws including HWTM Rules etc. and comply with the directions issued by the Board from time to time.

Specific Conditions :

Other Conditions :

1. (i) CTO so granted will be revoked & cancelled in case unit found Non-Complying at any stage during this period. (ii) Unit will comply the conditions/directions of CPCB/MOEF&CC. (iii) Unit will provide mechanized water sprinklers system at ash handling site & fogging system at coal handling site to control fugitive emissions.

Regional Officer
For and On Be'half of the Chairman
Haryana State Pollution Control Board.
Bahadurgarh