



टीएचडीसी इंडिया लिमिटेड  
(श्रेणी-क मिनरी रत्न उपक्रम)  
**THDC INDIA LIMITED**  
(Schedule - A Mini Ratna PSU)



सं० टीएचडीसी/ऋ०/सा०एवंपर्या०/फ०-400/35-1E

दिनांक: 12.05.2026

सेवा में,

Deputy Director General of Forests (C),  
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,  
क्षेत्रीय कार्यालय (मध्य क्षेत्र),  
केंद्रीय भवन, पंचम तल,  
सेक्टर-11, अलीगंज, लखनऊ - 226024

**विषय: 19<sup>th</sup> Six monthly progress report (Oct 2025 to March 2026) on Environmental Aspects of of 2 × 660 MW Khurja Super Thermal Power Project at Villages Dushhara Kherli, Jahanpur, Naiphal and Rukanpur in Khurja Taluk, Bulandshahar Distt. Uttar Pradesh by THDC India Limited - reg.**

Sir,

In compliance to Point (xiv) of Part B: General Conditions of Environment Clearance letter No. J-13012/100/2011-IA.II(T) dtd. 30.03.2017 issued by MoEFCC., please find enclosed herewith the six monthly progress report on environmental aspects of 2 × 660 MW Khurja Super Thermal Power Project for your kind consideration.

Thanking You,

*(Handwritten signature)*  
12/5/2026

( हर्ष कुमार )

महाप्रबंधक (सामा. एवं पर्यावरण)

संलग्नक: उपरोक्तानुसार

प्रतिलिपि: सादर सूचनार्थ

- 1.) निदेशक आई.ए.आई, इंदिरा पर्यावरण भवन, वायु विंग, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, जोर बाग रोड, नई दिल्ली - 110 003
- 2.) सदस्य सचिव, केन्द्रीय प्रदूषण नियंत्रण बोर्ड, परिवेश भवन, सी.बी.डी. कम आफिस कोम्प्लेक्स, पूर्वी अर्जुन नगर, दिल्ली - 110032
- 3.) सदस्य सचिव, उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड, बिल्डिंग स०टीसी-12V, विभूति खंड, गोमती नगर, लखनऊ - 226010
- 4.) क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड, F-5, जमुना पुरम कालोनी, बुलंदशहर, उत्तर प्रदेश 203001

**Your (Half Yearly Compliance Report) has been Submitted with following details**

<b>Proposal No</b>	IA/UP/THE/10282/2011
<b>Compliance ID</b>	1224765587
<b>Compliance Number(For Tracking)</b>	EC/M/COMPLIANCE/1224765587/2026
<b>Reporting Year</b>	2026
<b>Reporting Period</b>	01 Jun(01 Oct - 31 Mar)
<b>Submission Date</b>	29-05-2026
<b>RO/SRO Name</b>	Shri Satya Prakash Negi
<b>RO/SRO Email</b>	jhk119@ifs.nic.in
<b>State</b>	UTTAR PRADESH
<b>RO/SRO Office Address</b>	Integrated Regional Offices Lucknow

**Note:-** SMS and E-Mail has been sent to Shri Satya Prakash Negi, UTTAR PRADESH with Notification to Project Proponent.

**COMPLIANCE STATUS (October, 2025 to March, 2026) ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW  
J-13012/100/2011-IA. II (T) dated 30.03.2017**

S.NO.	COMPLIANCE CONDITION	CURRENT STATUS
<b>A-SPECIFIC CONDITIONS</b>		
1	As per the Revised Tariff Policy notified by Ministry of Power vide dated 28-01-2016, project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality/local bodies/similar organization located within 50 Km radius of the proposed power project to minimize the water drawl from the River Ganga.	An MoU has been signed by KSTPP Project with UP Jal Nigam on 18.04.2024 for Re-use of treated water from STP Bulandshahr for KSTPP.
2	Compliance of EC Conditions, E(P) Act, 1986, MoEF&CC Notifications, Rules, Regulations and Guidelines issued time to time shall be done by an Environment Compliance Officer to be nominated by Head of the Company who shall be responsible for compliance and implementations of EC conditions.	The Head of the Department (HoD) of Corporate S&E Dept., Rishikesh has been appointed as Environment Compliance Officer by the Chairman and Managing Director (CMD) of the company.
3	Greenbelt development shall be developed in 400 acres with native and indigenous species to maintain 33% of the land green. Greenbelt plan shall be formulated in consultation with local Forest Department and submitted to the Ministry and its Regional Office for monitoring. The budget of Rs. 5 Crores for greenbelt shall be accordingly revised in consultation with forest Department. No herbs and shrubs shall be planted. Only tall seedlings shall be planted. Greenbelt development shall start during construction period.	As per EC conditions, Green Belt plantation on 120 ha land has been completed and Green Belt plantation work on 50 ha land is to be completed by Forest Department. Advance soil work is going on in phased manner for plantation.

**COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW KHURJA STPP Vide Letter No. J-13012/100/2011-IA. II (T) dated 30.03.2017**

4	Hydrogen plant shall be shifted away from Uncha Gaon. Minimum of 500 m distance shall be maintained from the village. The layout indication relocation of Hydrogen plant shall be submitted to the Ministry and its Regional Office.	Provision of Hydrogen Generation Plant has been deleted from the General Layout Plan. Required hydrogen shall be procured from the market.
5	Need based assessment study shall be conducted for implementing CSR activities. Company shall provide Guest teachers to the surrounding Govt. schools.	Need based Assessment study of project affected villages has been conducted through Department of Social Work, University of Delhi. The university submitted report on 16.06.2022. Brief details of various CSR/CD activities being undertaken are given at point no. 28.
6	Alternate technologies for Fly ash utilization such as road making using geo-polymers shall be explored in consultation with director AMPRI, Bhopal/DG CSIR. Use of ash dyke shall be minimized.	<p>THDCIL's officials visited to AMPRI, Bhopal on 22.05.2024 to explore the alternative technology of the 100% utilization of fly ash. They have advised for use of fly Ash in bricks manufacturing, concrete pavement etc.</p> <p>However, THDCIL is also exploring the utilization of fly ash in the market.</p> <p>At present generated fly ash is being used in cement industry and other bricks/blocks etc. uses as per Fly Ash Notification.</p> <p>Fly ash generation and utilization details are submitted on COALASH portal of CPCB.</p>
7	Separate environmental clearance may be obtained for township construction under EIA Notification, 2006 and its amendments, as applicable.	As per EIA Notification 2006, prior Environmental Clearance is applicable for Township and Area Development projects having area more than 50 hectare. Hence, not applicable in case of Khurja STPP as the township area is limited to 30 acre (12.15 ha) only.
8	MoEF&CC Notification S.O. 3305(E) dated 7.12.2015 shall be implemented with respect to specific water consumption, zero liquid discharge and revised emission standards. The PM, SO <sub>2</sub> , NO <sub>x</sub> and Hg emissions shall not exceed 30 mg/Nm <sup>3</sup> , 100 mg/Nm <sup>3</sup> , 100 mg/Nm <sup>3</sup> and 0.03	A high efficiency Electrostatic precipitator along with Flue Gas Desulphurization unit is installed to keep environmental parameters within prescribed limit as per MoEF&CC Notification S.O. 3305(E) dated 07.12.2015. Specific water consumption is below 2.5 M <sup>3</sup> /MWh accordingly and ZLD is ensured.

**COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW KHURJA STPP Vide Letter No. J-13012/100/2011-IA. II (T) dated 30.03.2017**

	mg/Nm <sup>3</sup> respectively. The specific water consumption shall not exceed 2.5 m <sup>3</sup> /MWh and zero wastewater discharge shall be achieved.	
9	MoEF&CC Notification GSR 02 (E) dated 2.1.2014 regarding use of raw or blended or beneficiated or washed coal with ash content not exceeding 34% shall be complied with as applicable.	Coal ash content report is attached as <b><u>Annexure-1</u></b> and it is below 34%.
10	MoEF&CC Notifications on fly-ash utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.03.2003, S.O. 2804(E) dated 03.11.2009, S.O. 254(E) dated 25.01.2016 and subsequent amendments shall be complied with.	Being complied with as per status provided above at Point No 06.
11	Necessary permission from Water Resource Department shall be obtained for diversion of diverting the Aligarh natural drain from the project site.	No objection has been obtained from Drainage Circle, Aligarh vide letter no.2783/DCA/THDC dt 05.05.2018. After the NOC from the Water Resource Department, the diversion of the Aligarh natural drain from the project site is complete.
12	Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within six months.	Vision document has already been submitted on dated 28.09.2017.
13	Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.	Necessary provision for harnessing solar power have been made. Currently, construction works of township/guest house/offices, etc. are under progress. Roof top solar modules shall be installed after completion/finishing of construction works.  Also, floating solar modules have been installed in the reservoir with a peak capacity of 5.2 MW and installation of additional floating solar of capacity 10.71 MW is under progress.

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14	A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every two year and reported along with monitoring reports. Thereafter mechanism for an in built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	A detailed study on chemical composition of coal used particularly heavy metal has been carried out through a recognized lab and the reports are attached as <b><u>Annexure 2a.</u></b>  The radioactivity study has been carried out through Nuclear Power Corporation of India Limited, Narora, Bulandshahr. The testing has been carried out and report has been prepared and Results thereof will be analyzed every two years and reported along with monitoring reports.
15	Online continuous monitoring system for stack emission, ambient air and effluent shall be installed.	An Online Continuous Monitoring System for stack emission, ambient air and effluent are installed for stack-01 & 02, 04 locations identified by UPPCB and LETP respectively. The CSEMS and CAAQMSs are integrated with the respective portals and CEQMS integration is under process.
16	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 30 mg/Nm <sup>3</sup> or as would be notified by the Ministry, whichever is stringent. 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 along with an environment friendly sludge disposal system.	To keep PM below then 30 mg/Nm <sup>3</sup> high efficiency Electrostatic Precipitator is installed. Pneumatic ash handling system with bag filters provided for ash handling. The crusher houses for coal are provided with Dust Extraction System & Bag Filter. Dust Suppression System (DSS) and Water Sprinkling System are provided in coal stock yard.

**COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW KHURJA STPP Vide Letter No. J-13012/100/2011-IA. II (T) dated 30.03.2017**

17	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.	Dust extraction system with bag filter in coal crusher house has been provided. Pneumatic ash handling system with bag filters provided. For ash handling. Water sprinkling system provided in coal yard.
18	Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report.	The surface and ground water quality is being monitored. The monitoring of water quality has been carried out through recognized lab and the reports are attached as <b><u>Annexure-3 &amp; Annexure-4</u></b> .
19	A well designed rain water harvesting system shall be put in place within six months, which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use.	A well-designed rainwater harvesting system is establishing as per recommendations of study report and approval of the concerned authority.
20	No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/operation of the power plant except the Aligarh drain passing through ash pond proposed for diversion without affecting the natural drainage.	No water bodies including natural drainage system in the area is being disturbed due to activities associated with the setting up of the power plant except the Aligarh drain. After the NOC from Water Resource Department, the diversion of Aligarh natural drain from the project site is completed.
21	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	Being complied with.

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22	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Mercury and other heavy metals (As, Hg, Cr. Pb etc.) shall be monitored in the bottom ash. No ash shall be disposed-off in low lying area.	Being Complied with. The monitoring of heavy metals has been carried out through recognized lab and the reports are attached as <b><u>Annexure- 5 &amp; Annexure- 6.</u></b>
23	No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.	Being complied with.
24	Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local panchayat.	Being complied with
25	Green Belt consisting of three tiers of plantations of native species all around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80%.	Being complied with.

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26	Green belt shall also be developed around the ash pond over and above the Green Belt around the plant boundary.	Being complied with.
27	The project proponent shall formulate a well-laid Corporate Environment policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Copy of the Environment policy duly approved by the THDCIL Board can be accessed from the following weblink: <a href="https://thdc.co.in/en/content/environment-policy">https://thdc.co.in/en/content/environment-policy</a>

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S.NO.	COMPLIANCE CONDITION	CURRENT STATUS
28	<p>CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programs.</p>	<p>Budget Provision of Rs. 33.20 Cr. has been made in the EMP for local area/ community development activities and action has been initiated by THDCIL for the same.</p> <p>Out of the total provision of Rs. 33.2 crore works of value 33.22 Cr has been awarded.</p> <p>Need Assessment study of project-affected villages has been conducted through Department of Social Work, University of Delhi. The CSR/CD scheme is implemented as per the need assessment and with consultation of the local representative and district administration. CSR activities are being undertaken in following areas-</p> <ol style="list-style-type: none"> <li>1. Community Health</li> <li>2. Skill Development</li> <li>3. Education</li> <li>4. Infrastructure</li> <li>5. Women empowerment</li> </ol>
29	<p>For proper and periodic monitoring of CSR activities, a CSR committee or a social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.</p>	<p>For continuous monitoring by an independent external agency, an MoU has been signed on 16.02.2023 between M/S WAPCOS Limited and THDCIL and monitoring has been carried out.</p>

<b>B-GENERAL CONDITIONS</b>		
1	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	Being complied with.
2	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.	STP in project area has been constructed and operational. Treated water is being re-used inside the premises.
3	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Adequate safety measures have been provided and DMP has been prepared. The requisite documents have been already shared.
4	Storage facilities for auxiliary liquid fuel such as LDO/HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	
5	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Dispensaries along with First Aid and sanitation arrangements have been provided by the THDCIL and Contractors.

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6	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. 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 turbine area, 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.	The proper measures are being ensured and necessary arrangements/actions are in place.
7	Regular monitoring of ambient air ground level concentration of SO <sub>2</sub> , NO <sub>x</sub> , PM <sub>2.5</sub> & PM <sub>10</sub> and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed to 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. The data shall also be put on the website of the company.	Continuous Ambient Air Quality System (CAAQMS) have been installed at locations identified by UPPCB. The online data sharing is done on portal for real time monitoring. The monitoring of AQI parameters has been carried out through recognized lab and the reports are attached as <u>Annexure- 7</u> .
8	Utilization of 100% fly ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Noted and being complied with. The monthly fly ash utilization details have been uploaded on COALASH CPCB portal.

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9	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The contractors have provided labour colony with necessary infrastructure and amenities.
10	The project proponent shall advertise in the 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 the Website of MoEF&CC at <a href="http://envfor.nic.in">http://envfor.nic.in</a>	Complied with. The Advertisement was published in national and local newspapers on Apr' 2017.
11	A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Zila Parisad/Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Copy of Environment Clearance letter was sent to all concerned. Same is also available on company's website.

**COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW KHURJA STPP Vide Letter No.  
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12	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM2.5 & PM10), SO2, Nox (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Being complied with.
13	The environment statement for each financial year ending 31st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Being complied with. Form V for FY 24-2025 was submitted on 30.09.2025.  Form-V for FY 2025-26 shall be submitted.

**COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCE CONDITIONS OF 1320 MW KHURJA STPP Vide Letter No. J-13012/100/2011-IA. II (T) dated 30.03.2017**

14	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to MoEF&CC, its Regional office, Central Pollution Control Board and State pollution control Board. The project proponent shall upload the status of compliance 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, MoEF&CC.	Being complied with. Report has been submitted.
15	The progress for the project shall be submitted to CEA on six monthly basis.	The progress report of the project is being submitted to CEA regularly.
16	Regional Office of the MoEF&CC 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, Project proponent will upload the compliance status in their website and update same from time to time at least six monthly basis. Criteria pollutants levels including NOx (from stack & ambient air) shall be displayed at the main gate of the power plant.	EIA and EMP reports are already available on the THDCIL website. The compliance status is being uploaded on the website and shared with concern authority.

17	<p>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.</p>	<p>A budget provision of Rs. 1783.5 Cr was made for Environmental Protection measures and an amount of Rs 1593.33 Cr has be incurred till FY 25-26.</p> <p style="text-align: center;">Financial year-wise Expenditure Details</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Financial Year</th> <th style="text-align: right;">Amount (in Cr.)</th> </tr> </thead> <tbody> <tr> <td>22-23</td> <td style="text-align: right;">493.80</td> </tr> <tr> <td>23-24</td> <td style="text-align: right;">284.05</td> </tr> <tr> <td>24-25</td> <td style="text-align: right;">481.76</td> </tr> <tr> <td>25-26</td> <td style="text-align: right;">333.72</td> </tr> </tbody> </table>	Financial Year	Amount (in Cr.)	22-23	493.80	23-24	284.05	24-25	481.76	25-26	333.72
Financial Year	Amount (in Cr.)											
22-23	493.80											
23-24	284.05											
24-25	481.76											
25-26	333.72											
18	<p>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 the plant.</p>	<p>The unit#01 is commissioned on 26.01.2025 The unit#02 is commissioned on 26.09.2025</p>										
19	<p>Full cooperation shall be extended to the Scientists/Officers from the Ministry /Regional Office of the Ministry/Regional office of the Ministry/CPCB/SPCB who would be monitoring the compliance of environmental status.</p>	<p>Shall be complied with.</p>										
C												
1	<p>An as built or as completed report on EMP to be submitted stating the scope/extent of work envisaged in the EIA along with estimated cost vis-à-vis the actual completed works and cost incurred.</p> <p>A certificate/completion certificate accordingly, shall have to be submitted before the commissioning of the TPP.</p>	<p>Submitted on 19.02.2025 and 25.11.2025.</p>										



# GREEN ENVIRO TECH SERVICES PVT. LTD.

An Analytical Laboratory

(AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified)

Plot No.-69, Kherli Hafizpur, Gr. Noida, G.B. Nagar-203202

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TC-15751

## TEST REPORT

### COAL

Test Report Number	GES/R0326/26081	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03F26081	Sample Receiving Date	26.03.2026
Sample Description	Coal Sample	Sample Quantity	500 gm
Sampling Location	Feeder Coal	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels
Sampling Protocol	---	Type of Sampling	--
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

## TEST RESULTS

### SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
1	Ash	%	25.5	GES/CH/SOP/SW-11
2	Net Calorific Value	kcal/kg	5082	GES/CH/SOP/SW-12
3	Moisture	%	10.6	GES/CH/SOP/SW-04
4	Fixed Carbon	%	30.8	GES/CH/SOP/SW-04
5	Volatile matter	%	31.4	GES/CH/SOP/SW-10
6	Nickel (as Ni)	mg/kg	10.7	GES/CH/SOP/SW-07
7	Total Chromium (as Cr)	mg/kg	20.5	GES/CH/SOP/SW-07
8	Zinc (as Zn)	mg/kg	30.9	GES/CH/SOP/SW-07
9	Lead (as Pb)	mg/kg	8.5	GES/CH/SOP/SW-07
10	Arsenic (as As)	mg/kg	<2.0	GES/CH/SOP/SW-09
11	Cadmium (as Cd)	mg/kg	<5.0	GES/CH/SOP/SW-07
12	Mercury (as Hg)	mg/kg	<2.0	GES/CH/SOP/SW-09
13	Copper (as Cu)	mg/kg	10.8	GES/CH/SOP/SW-07

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Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578

## TEST REPORT

### COAL

Test Report Number	GES/R0326/N26081	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03F26081	Sample Receiving Date	26.03.2026
Sample Description	Coal Sample	Sample Quantity	500 gm
Sampling Location	Feeder Coal	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels
Sampling Protocol	--	Type of Sampling	--
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

### TEST RESULTS

#### SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
14	Vanadium	mg/kg	<5.0	GES/CH/SOP/SW-07
15	Antimony	mg/kg	<5.0	GES/CH/SOP/SW-07
16	Cyanide	mg/kg	<2.0	GES/CH/SOP/SW-18

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## TEST REPORT

Test Report Number	GES/R0326/26091		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26091	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	UP Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS

#### WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Results	Test Method
1	pH value (at 25°C)	-	7.32	IS: 3025 (Part-11)2022
2	Color	Hazen	<5	IS: 3025 (Part-04/CI-4)2021
3	Turbidity	NTU	<1	IS: 3025 (Part-10)2023
4	Total Dissolved Solids	mg/l	616	IS: 3025 (Part-16)2023
5	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	230	IS: 3025 (Part-23)2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	215	IS: 3025 (Part-21)2009RA2019
7	Calcium (as Ca)	mg/l	53.7	IS: 3025 (Part-40/CI-5)2024
8	Magnesium (as Mg)	mg/l	20	IS: 3025 (Part-46)2023
9	Chlorides (as Cl)	mg/l	130	IS: 3025 (Part-32/CI-2)1988
10	Sulphate (as SO <sub>4</sub> )	mg/l	75	IS: 3025 (Part-24/Sec-1)2022
11	Nitrate (as NO <sub>3</sub> )	mg/l	4.9	IS: 3025 (Part-34/Sec-1)2024
12	Fluoride (as F)	mg/l	0.15	IS: 3025 (Part-60)2023
13	Dissolved Oxygen	mg/l	4.2	IS 3025 (Part 38/CI4.2): 1989
14	Acidity as CaCO <sub>3</sub>	mg/l	ND [< 2.0]	IS 3025 (Part-22):1986: 2019
15	Temperature	°C	26.2	IS 3025 (Part 09): 2023
16	Chloramines (as Cl <sub>2</sub> )	mg/l	ND [< 0.5]	IS: 3025 (Part-26)2021
17	Ammonia as Total ammonia-N	mg/l	ND [< 0.2]	IS: 3025 (Part-34) 2023
18	Cadmium (as Cd)	mg/l	ND [<0.003]	IS: 3025 (Part-41)2023
19	Lead (as Pb)	mg/l	ND [< 0.01]	IS: 3025 (Part-47)2024
20	Total Chromium (as Cr)	mg/l	ND [< 0.05]	IS: 3025 (Part-52)2003
21	Manganese (as Mn)	mg/l	ND [< 0.05]	IS: 3025 (Part-59)2023
22	Iron (as Fe)	mg/l	0.14	IS: 3025 (Part 53/CI-7)2024

Remark-ND-Not Detected

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## TEST REPORT

Test Report Number	GES/R0326/26091	Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.	
<b>DETAILS OF SAMPLE</b>		
Job Order Number	GES/2026/03W26091	Sample Receiving Date
Sample Description	One Sample of Surface Water	Sample Quantity
Sampling Location	UP Stream	Sample Packing
Sampling Date	24.03.2026	Sample Marking
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling
Weather Condition	Clear	Analysis Start Date
Sampling Done by	GETS Lab Representative	Analysis End Date

RESULTS (WATER QUALITY ANALYSIS)				
S No.	Parameters	Unit	Results	Test Method
23	Nickel (as Ni)	mg/l	ND [< 0.01]	IS: 3025 (Part-54)2003
24	Sodium (Na)	mg/l	127.8	IS: 3025 (Part-45)2024
25	Potassium (K)	mg/l	11.5	IS: 3025 (Part-45)2024
26	Mercury (as Hg)	mg/l	ND [< 0.001]	IS: 3025 (Part-48)1994RA2019
27	Zinc (as Zn)	mg/l	ND [< 0.1]	IS: 3025 (Part-49)2024
28	Copper (as Cu)	mg/l	ND [< 0.05]	IS: 3025 (Part-42)2024
29	Chromium (Hexavalent)	mg/l	ND [< 0.05]	IS 3025 (Part 52) Cl6: 2003
30	Polychlorinated biphenyls	mg/l	ND [< 0.0001]	AOAC 990.06
31	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	ND [< 0.00008]	AOAC 990.06

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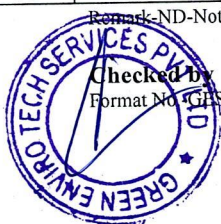
## TEST REPORT

Test Report Number	GES/R0326/N26091	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03 W26091	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	UP Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

## RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Results	Test Method
32	Uranium	mg/l	ND [< 0.05]	IS:3025 (Part-65)
33	Total kjeldahl Nitrogen (TKN)	mg/l	ND [< 0.1]	IS 3025 (Part 34)
34	Nitrate (as NO <sub>2</sub> )	mg/l	3.6	IS: 3025 (Part-34)
35	Total Suspended Solids	mg/l	54	IS 3025 (Part 17)
36	Total Solids	mg/l	752	IS 3025 (Part 15)
37	Fixed Residue	mg/l	688	IS 3025 (Part 18)
38	Volatile Residue	mg/l	64	IS 3025 (Part 18)
39	Ammonical Nitrogen		ND [< 0.1]	IS 3025 (Part 34)
40	Odour	-	Agreeable	IS: 3025 (Part-05)1983RA2018
41	Phosphorous	mg/l	ND [< 0.1]	IS 3025 (Part 31/Sec-1/Cl-5) : 2022
42	Silica as SiO <sub>2</sub>	mg/l	ND [< 1.0]	IS 3025 (Part 35) Cl3: 1988
43	Free Residual Chlorine (if chlorinated)	mg/l	ND [< 0.1]	IS: 3025 (Part-26)2021
44	Sulphide (as H <sub>2</sub> S)	mg/l	ND [< 0.05]	IS: 3025(Pt-29)1986RA2019
45	Mineral Oil	mg/l	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
46	Anionic Detergent MBAS	mg/l	ND [< 0.001]	APHA 24 <sup>th</sup> Edi. 5540 C
47	Phenolic Compounds	mg/l	ND [< 0.001]	IS: 3025 (Part-43)1992RA2019
48	Molybdenum (as Mo)	mg/l	ND [< 0.05]	IS: 3025 (Part-02)
49	Conductivity	µS/cm	978	IS:3025 (Part-14)2013
50	Silver (as Ag)	mg/l	ND [< 0.05]	Annex J IS: 13428
51	Barium (as Ba)	mg/l	ND [< 0.2]	IS: 15302
52	Cyanide (as CN)	mg/l	ND [< 0.05]	IS: 3025 (Part-27)1986RA2019
53	Selenium (as Se)	mg/l	ND [< 0.001]	IS: 3025 (Part-56)2003RA2023
54	Boron (as B)	mg/l	ND [< 0.1]	IS 3025 (Part 57/Cl-5)2021
55	Aluminum (as Al)	mg/l	ND [< 0.02]	IS: 3025 (Part-55)2003
56	Total Arsenic (as As)	mg/l	ND [< 0.01]	IS: 3025 (Part-37)2022

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## TEST REPORT

Test Report Number	GES/R0326/N26091	Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.	
<b>DETAILS OF SAMPLE</b>		
Job Order Number	GES/2026/03W26091	Sample Receiving Date
Sample Description	One Sample of Surface Water	Sample Quantity
Sampling Location	UP Stream	Sample Packing
Sampling Date	24.03.2026	Sample Marking
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling
Weather Condition	Clear	Analysis Start Date
Sampling Done by	GETS Lab Representative	Analysis End Date

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Results	Test Method
<b>Pesticides Residue</b>				
57	Gamma HCH (Lindane)	µg/l	ND [<0.01]	GES/SOP/PST01
58	Ethion	µg/l	ND [<0.01]	GES/SOP/PST01
59	Phorate	µg/l	ND [<0.01]	GES/SOP/PST01
60	Isoproturon	µg/l	ND [<0.01]	GES/SOP/PST02
61	2,4 D	µg/l	ND [<0.01]	GES/SOP/PST02
62	Monocrotophos	µg/l	ND [<0.01]	GES/SOP/PST03
63	Atrazine	µg/l	ND [<0.01]	GES/SOP/PST03
64	Alachlor	µg/l	ND [<0.01]	GES/SOP/PST01
65	Atrazine	µg/l	ND [<0.01]	GES/SOP/PST01
66	Aldrin	µg/l	ND [<0.01]	GES/SOP/PST01
67	Dieldrin	µg/l	ND [<0.01]	GES/SOP/PST01
68	α HCH	µg/l	ND [<0.01]	GES/SOP/PST01
69	β HCH	µg/l	ND [<0.01]	GES/SOP/PST01
70	γ HCH	µg/l	ND [<0.01]	GES/SOP/PST01
71	δ- HCH	µg/l	ND [<0.01]	GES/SOP/PST01
72	Butachlor	µg/l	ND [<0.01]	GES/SOP/PST01
73	Chlorpyriphos	µg/l	ND [<0.01]	GES/SOP/PST01
74	Malathion	µg/l	ND [<0.01]	GES/SOP/PST01
75	Methyl Parathion	µg/l	ND [<0.01]	GES/SOP/PST01
76	4,4-DDD	µg/l	ND [<0.01]	GES/SOP/PST01
77	4,4-DDT	µg/l	ND [<0.01]	GES/SOP/PST01
78	4,4- DDE	µg/l	ND [<0.01]	GES/SOP/PST01
79	2,4-DDE	µg/l	ND [<0.01]	GES/SOP/PST01
80	2,4- DDD	µg/l	ND [<0.01]	GES/SOP/PST01
81	2,4- DDT	µg/l	ND [<0.01]	GES/SOP/PST01
82	Endosulfan-I	µg/l	ND [<0.01]	GES/SOP/PST01
83	Endosulfan-II	µg/l	ND [<0.01]	GES/SOP/PST01
84	Endosulfan Sulphate	µg/l	ND [<0.01]	GES/SOP/PST01

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TC-15751

## TEST REPORT

Test Report Number	GES/R0326/26091	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26091	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	500 ml
Sampling Location	UP Stream	Sample Packing	Sterilized Glass Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	IS: 1622	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	26.03.2026

RESULTS				
WATER QUALITY ANALYSIS				
Bacteriological Parameters:				
S. No.	Parameters	Unit	Results	Test Method
85	Total Coliform	Per 100ml	Absent	IS: 15185- 2016
86	E.Coli	Per 100ml	Absent	IS: 15185- 2016

Remark-ND-Not Detected



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## TEST REPORT

Test Report Number	GES/R0326/26092		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03 W26092	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	Down Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

RESULTS				
WATER QUALITY ANALYSIS				
S. No.	Parameters	Unit	Results	Test Method
1	pH value (at 25°C)	-	7.36	IS: 3025 (Part-11)2022
2	Color	Hazen	<5	IS: 3025 (Part-04/CI-4)2021
3	Turbidity	NTU	<1	IS: 3025 (Part-10)2023
4	Total Dissolved Solids	mg/l	532	IS: 3025 (Part-16)2023
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	220	IS: 3025 (Part-23)2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	205	IS: 3025 (Part-21)2009RA2019
7	Calcium (as Ca)	mg/l	51.2	IS: 3025 (Part-40/CI-5)2024
8	Magnesium (as Mg)	mg/l	18.7	IS: 3025 (Part-46)2023
9	Chlorides (as Cl)	mg/l	96	IS: 3025 (Part-32/CI-2)1988
10	Sulphate (as SO <sub>4</sub> )	mg/l	68	IS: 3025 (Part-24/Sec-1)2022
11	Nitrate (as NO <sub>3</sub> )	mg/l	3.6	IS: 3025 (Part-34/Sec-1)2024
12	Fluoride (as F)	mg/l	0.12	IS: 3025 (Part-60)2023
13	Dissolved Oxygen	mg/l	3.0	IS 3025 (Part 38/CI4.2): 1989
14	Acidity as CaCO <sub>3</sub>	mg/l	ND [< 2.0]	IS 3025 (Part-22):1986: 2019
15	Temperature	°C	26.6	IS 3025 (Part 09): 2023
16	Chloramines (as Cl <sub>2</sub> )	mg/l	ND [< 0.5]	IS: 3025 (Part-26)2021
17	Ammonia as Total ammonia-N	mg/l	ND [< 0.2]	IS: 3025 (Part-34) 2023
18	Cadmium (as Cd)	mg/l	ND [<0.003]	IS: 3025 (Part-41)2023
19	Lead (as Pb)	mg/l	ND [< 0.01]	IS: 3025 (Part-47)2024
20	Total Chromium (as Cr)	mg/l	ND [< 0.05]	IS: 3025 (Part-52)2003
21	Manganese (as Mn)	mg/l	ND [< 0.05]	IS: 3025 (Part-59)2023
22	Iron (as Fe)	mg/l	0.10	IS: 3025 (Part 53/CI-7)2024

Remark-ND-Not Detected

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 Page 01 of 01 **Quality Manager**  
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E-mail : getslab2024@gmail.com | Website : www.getslab.in

Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578



## TEST REPORT

Test Report Number	GES/R0326/26092	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26092	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	Down Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

## RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Results	Test Method
23	Nickel (as Ni)	mg/l	ND [< 0.01]	IS: 3025 (Part-54)2003
24	Sodium (Na)	mg/l	102.4	IS: 3025 (Part-45)2024
25	Potassium (K)	mg/l	9.2	IS: 3025 (Part-45)2024
26	Mercury (as Hg)	mg/l	ND [< 0.001]	IS: 3025 (Part-48)1994RA2019
27	Zinc (as Zn)	mg/l	ND [< 0.1]	IS: 3025 (Part-49)2024
28	Copper (as Cu)	mg/l	ND [< 0.05]	IS: 3025 (Part-42)2024
29	Chromium (Hexavalent)	mg/l	ND [< 0.05]	IS 3025 (Part 52) Cl6: 2003
30	Polychlorinated biphenyls	mg/l	ND [< 0.0001]	AOAC 990.06
31	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	ND [< 0.00008]	AOAC 990.06

Remark-ND-Not Detected

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Dharmendra Kumar  
Quality Manager

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## TEST REPORT

Test Report Number	GES/R0326/N26092		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26092	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	Down Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Results	Test Method
32	Odour	-	Agreeable	IS: 3025 (Part-05)1983RA2018
33	Phosphorous	mg/l	ND [< 0.1]	IS 3025 (Part 31/Sec-1/CI-5) : 2022
34	Silica as SiO <sub>2</sub>	mg/l	ND [< 1.0]	IS 3025 (Part 35) CI3: 1988
35	Free Residual Chlorine (if chlorinated)	mg/l	ND [< 0.1]	IS: 3025 (Part-26)2021
36	Sulphide (as H <sub>2</sub> S)	mg/l	ND [< 0.05]	IS: 3025(Pt-29)1986RA2019
37	Mineral Oil	mg/l	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
38	Anionic Detergent MBAS	mg/l	ND [< 0.001]	APHA 24 <sup>th</sup> Edi. 5540 C
39	Phenolic Compounds	mg/l	ND [< 0.001]	IS: 3025 (Part-43)1992RA2019
40	Molybdenum (as Mo)	mg/l	ND [<0.05]	IS: 3025 (Part-02)
41	Conductivity	µS/cm	845	IS:3025 (Part-14)2013
42	Silver (as Ag)	mg/l	ND [< 0.05]	Annex J IS: 13428
43	Barium (as Ba)	mg/l	ND [< 0.2]	IS: 15302
44	Cyanide (as CN)	mg/l	ND [< 0.05]	IS: 3025 (Part-27)1986RA2019
45	Selenium (as Se)	mg/l	ND [< 0.001]	IS: 3025 (Part-56)2003RA2023
46	Boron (as B)	mg/l	ND [< 0.1]	IS 3025 (Part 57/CI-5)2021
47	Aluminum (as Al)	mg/l	ND [< 0.02]	IS: 3025 (Part-55)2003
48	Total Arsenic (as As)	mg/l	ND [< 0.01]	IS: 3025 (Part-37)2022
49	Uranium	mg/l	ND [< 0.05]	IS:3025 (Part-65)
50	Total kjeldahl Nitrogen (TKN)	mg/l	ND [< 0.1]	IS 3025 (Part 34)
51	Nitrate (as NO <sub>3</sub> )	mg/l	2.5	IS: 3025 (Part-34)
52	Total Suspended Solids	mg/l	67	IS 3025 (Part 17)
53	Total Solids	mg/l	599	IS 3025 (Part 15)
54	Fixed Residue	mg/l	548	IS 3025 (Part 18)
55	Volatile Residue	mg/l	51	IS 3025 (Part 18)
56	Ammonical Nitrogen		ND [< 0.1]	IS 3025 (Part 34)

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Usharmendra Kumar  
Quality Manager

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## TEST REPORT

Test Report Number	GES/R0326/N26092	Issued Date: 31.03.2026	
Customer Name & Address	<b>Issued to:</b> <b>M/s BHAVANI ERECTORS PVT LTD</b> KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P.-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26092	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	10 L
Sampling Location	Down Stream	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Results	Test Method
<b>Pesticides Residue</b>				
57	Gamma HCH (Lindane)	µg/l	ND [<0.01]	GES/SOP/PST01
58	Ethion	µg/l	ND [<0.01]	GES/SOP/PST01
59	Phorate	µg/l	ND [<0.01]	GES/SOP/PST01
60	Isoproturon	µg/l	ND [<0.01]	GES/SOP/PST02
61	2,4 D	µg/l	ND [<0.01]	GES/SOP/PST02
62	Monocrotophos	µg/l	ND [<0.01]	GES/SOP/PST03
63	Atrazine	µg/l	ND [<0.01]	GES/SOP/PST03
64	Alachlor	µg/l	ND [<0.01]	GES/SOP/PST01
65	Atrazine	µg/l	ND [<0.01]	GES/SOP/PST01
66	Aldrin	µg/l	ND [<0.01]	GES/SOP/PST01
67	Dieldrin	µg/l	ND [<0.01]	GES/SOP/PST01
68	α HCH	µg/l	ND [<0.01]	GES/SOP/PST01
69	β HCH	µg/l	ND [<0.01]	GES/SOP/PST01
70	γ HCH	µg/l	ND [<0.01]	GES/SOP/PST01
71	δ- HCH	µg/l	ND [<0.01]	GES/SOP/PST01
72	Butachlor	µg/l	ND [<0.01]	GES/SOP/PST01
73	Chlorpyrifos	µg/l	ND [<0.01]	GES/SOP/PST01
74	Malathion	µg/l	ND [<0.01]	GES/SOP/PST01
75	Methyl Parathion	µg/l	ND [<0.01]	GES/SOP/PST01
76	4,4-DDD	µg/l	ND [<0.01]	GES/SOP/PST01
77	4,4-DDT	µg/l	ND [<0.01]	GES/SOP/PST01
78	4,4- DDE	µg/l	ND [<0.01]	GES/SOP/PST01
79	2,4-DDE	µg/l	ND [<0.01]	GES/SOP/PST01
80	2,4- DDD	µg/l	ND [<0.01]	GES/SOP/PST01
81	2,4- DDT	µg/l	ND [<0.01]	GES/SOP/PST01
82	Endosulfan-I	µg/l	ND [<0.01]	GES/SOP/PST01
83	Endosulfan-II	µg/l	ND [<0.01]	GES/SOP/PST01
84	Endosulfan Sulphate	µg/l	ND [<0.01]	GES/SOP/PST01

Remark-ND-Not Detected



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 Charmendra Kumar  
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## TEST REPORT

Test Report Number	GES/R0326/26092		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26092	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Surface Water	Sample Quantity	500 ml
Sampling Location	Down Stream	Sample Packing	Sterilized Glass Bottle
Sampling Date	24.03.2026	Sample Marking	Surface Water
Sampling Protocol	IS: 1622	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	26.03.2026

## RESULTS

### WATER QUALITY ANALYSIS

Bacteriological Parameters:				
S. No.	Parameters	Unit	Results	Test Method
85	Total Coliform	Per 100ml	Absent	IS: 15185- 2016
86	E.Coli	Per 100ml	Absent	IS: 15185- 2016

Remark-ND-Not Detected



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TC-15751

## TEST REPORT

Test Report Number	GES/R0326/26087		Issued Date: 31.03.2026
Customer Name & Address	Issued to: <b>M/s BHAVANI ERECTORS PVT LTD</b> KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26087	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Dushera	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

RESULTS						
WATER QUALITY ANALYSIS						
S. No.	Parameters	Unit	Requirement (IS-10500-2012) Amd 4, Max		Results	Test Method
			Acceptable	Permissible (in absence of alternate source)		
1	pH value (at 25°C)	-	6.5-8.5	No Relaxation	7.45	IS: 3025 (Part-11)2022
2	Color	Hazen	5	15	<5	IS: 3025 (Part-04/CI-4)2021
3	Turbidity	NTU	1	5	<1	IS: 3025 (Part-10)2023
4	Total Dissolved Solids	mg/l	500	2000	573	IS: 3025 (Part-16)2023
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	267	IS: 3025 (Part-23)2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	396	IS: 3025 (Part-21)2009RA2019
7	Calcium (as Ca)	mg/l	75	200	99	IS: 3025 (Part-40/CI-5)2024
8	Magnesium (as Mg)	mg/l	30	100	36.2	IS: 3025 (Part-46)2023
9	Chlorides (as Cl)	mg/l	250	1000	105	IS: 3025 (Part-32/CI-2)1988
10	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	51	IS: 3025 (Part-24/Sec-1)2022
11	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	6.2	IS: 3025 (Part-34/Sec-1)2024
12	Fluoride (as F)	mg/l	1.0	1.5	0.16	IS: 3025 (Part-60)2023
13	Dissolved Oxygen	mg/l	--	--	4.1	IS 3025 (Part 38/CI4.2): 1989
14	Phosphorous	mg/l	--	--	ND [< 0.05]	IS 3025 (Part 31/Sec-1/CI-5) : 2022
15	Acidity as CaCO <sub>3</sub>	mg/l	--	--	ND [< 2.0]	IS 3025 (Part-22):1986: 2019
16	Silica as SiO <sub>2</sub>	mg/l	--	--	ND [< 1.0]	IS 3025 (Part 35) CI3: 1988
17	Temperature	°C	--	--	26.3	IS 3025 (Part 09): 2023
18	Free Residual Chlorine (if chlorinated)	mg/l	0.2 min.	1.0	ND [< 0.1]	IS: 3025 (Part-26)2021
19	Zinc (as Zn)	mg/l	5	15	ND [< 0.1]	IS: 3025 (Part-49)2024
20	Iron (as Fe)	mg/l	1.0	No Relaxation	0.24	IS: 3025 (Part 53/CI-7)2024
21	Aluminum (as Al)	mg/l	0.03	0.2	ND [< 0.02]	IS: 3025 (Part-55)2003
22	Total Arsenic (as As)	mg/l	0.01	No Relaxation	ND [< 0.01]	IS: 3025 (Part-37)2022

Remark-ND-Not Detected



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Quality Manager

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TC-15751

## TEST REPORT

Test Report Number	GES/R0326/26087		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26087	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Dushera	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No	Parameters	Unit	Req IS10500-2012 Amd 4		Results	Test Method
			Acceptable	Permissible		
23	Chloramines (as Cl <sub>2</sub> )	mg/l	4.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-26)2021
24	Ammonia as Total ammonia-N	mg/l	0.5	No Relaxation	ND [< 0.2]	IS: 3025 (Part-34) 2023
25	Cadmium (as Cd)	mg/l	0.003	No Relaxation	ND [<0.003]	IS: 3025 (Part-41)2023
26	Lead (as Pb)	mg/l	0.01	No Relaxation	ND [< 0.01]	IS: 3025 (Part-47)2024
27	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025 (Part-52)2003
28	Manganese (as Mn)	mg/l	0.1	0.3	ND [< 0.05]	IS: 3025 (Part-59)2023
29	Nickel (as Ni)	mg/l	0.02	No Relaxation	ND [< 0.01]	IS: 3025 (Part-54)2003
30	Sodium (Na)	mg/l	-	-	33.9	IS: 3025 (Part-45)2024
31	Potassium (K)	mg/l	-	-	3	IS: 3025 (Part-45)2024
32	Boron (as B)	mg/l	0.5	2.4	ND [< 0.1]	IS 3025 (Part 57/Cl-5)2021
33	Chromium (Hexavalent)	mg/l	-	-	ND [< 0.05]	IS 3025 (Part 52/Cl-6) 2003
34	Copper (as Cu)	mg/l	0.05	1.5	ND [< 0.05]	IS: 3025 (Part-42)2024
35	Mercury (as Hg)	mg/l	0.001	No Relaxation	ND [< 0.001]	IS: 3025 (Part-48)1994RA2019
36	Polychlorinated Biphenyls	mg/l	0.0005	No Relaxation	ND [< 0.0001]	AOAC 990.06
37	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	0.0001	No Relaxation	ND [< 0.00008]	AOAC 990.06

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## TEST REPORT

Test Report Number	GES/R0326/N26087	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26087	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Dushera	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Req IS10500-2012 Amd 4		Results	Test Method
			Acceptable	Permissible		
38	Phenolic Compounds	mg/l	0.001	0.002	ND [< 0.001]	IS: 3025 (Part-43)1992RA2019
39	Mineral Oil	mg/l	1.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
40	Silver (as Ag)	mg/l	0.1	No Relaxation	ND [< 0.05]	Annex J IS: 13428
41	Barium (as Ba)	mg/l	0.7	No Relaxation	ND [< 0.2]	IS: 15302
42	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	ND [< 0.05]	IS: 3025 (Part-02)
43	Conductivity	µS/cm	-	-	909	IS:3025 (Part-14)2013
44	Cyanide (as CN)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025 (Part-27)1986RA2019
45	Selenium (as Se)	mg/l	0.01	No Relaxation	ND [< 0.001]	IS: 3025 (Part-56)2003RA2023
46	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-05)1983RA2018
47	Uranium	mg/l	0.03	No Relaxation	ND [< 0.05]	IS:3025 (Part-65)
48	Total Kjeldahl Nitrogen	mg/l	-	-	ND [< 0.1]	IS: 3025 (Part 34)
49	Nitrite (as NO <sub>2</sub> )	mg/l	-	-	ND [< 0.05]	IS: 3025 (Part-34)
50	Total Suspended Solids	mg/l	-	-	ND [< 5.0]	IS 3025 (Part 17)
51	Total Solids	mg/l	-	-	573	IS 3025 (Part 15)
52	Fixed Residue	mg/l	-	-	525	IS 3025 (Part 18)
53	Volatile Residue	mg/l	-	-	48	IS 3025 (Part 18)
54	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025(Pt-29)1986RA2019
55	Biological Oxygen Demand At 27 OC For 3 Days	mg/l	-	-	ND [< 2.0]	IS 3025 (Part 44):2023
56	Chemical Oxygen Demand	mg/l	-	-	ND [< 4.0]	IS 3025 (Part 58) :2023
57	Mineral Oil	mg/l	1.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
58	Anionic Detergent MBAS	mg/l	0.2	1.0	ND [< 0.001]	APHA 24 <sup>th</sup> Edi. 5540 C

Remark-ND-Not Detected



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An Analytical Laboratory



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Plot No.-69, Kherli Hafizpur, Gr. Noida, G.B. Nagar-203202

E-mail : getslab2024@gmail.com | Website : www.getslab.in

Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578

## TEST REPORT

Test Report Number	GES/R0326/N26087	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26087	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Dushera	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Req IS10500-2012 Amd 4	Results	Test Method
59	Gamma HCH (Lindane)	µg/l	2	ND [<0.01]	GES/SOP/PST01
60	Ethion	µg/l	3	ND [<0.01]	GES/SOP/PST01
61	Phorate	µg/l	2	ND [<0.01]	GES/SOP/PST01
62	Isoproturon	µg/l	9	ND [<0.01]	GES/SOP/PST02
63	2,4 D	µg/l	30	ND [<0.01]	GES/SOP/PST02
64	Monocrotophos	µg/l	1	ND [<0.01]	GES/SOP/PST03
65	Atrazine	µg/l	2	ND [<0.01]	GES/SOP/PST03
66	Alachlor	µg/l	20	ND [<0.01]	GES/SOP/PST01
67	Atrazine	µg/l	2	ND [<0.01]	GES/SOP/PST01
68	Aldrin	µg/l	0.03	ND [<0.01]	GES/SOP/PST01
69	Dieldrin	µg/l	0.03	ND [<0.01]	GES/SOP/PST01
70	α HCH	µg/l	0.01	ND [<0.01]	GES/SOP/PST01
71	β HCH	µg/l	0.04	ND [<0.01]	GES/SOP/PST01
72	γ HCH	µg/l	2	ND [<0.01]	GES/SOP/PST01
73	δ- HCH	µg/l	0.04	ND [<0.01]	GES/SOP/PST01
74	Butachlor	µg/l	125	ND [<0.01]	GES/SOP/PST01
75	Chlorpyrifos	µg/l	30	ND [<0.01]	GES/SOP/PST01
76	Malathion	µg/l	190	ND [<0.01]	GES/SOP/PST01
77	Methyl Parathion	µg/l	0.3	ND [<0.01]	GES/SOP/PST01
78	4,4-DDD	µg/l	1	ND [<0.01]	GES/SOP/PST01
79	4,4-DDT	µg/l		ND [<0.01]	GES/SOP/PST01
80	4,4- DDE	µg/l		ND [<0.01]	GES/SOP/PST01
81	2,4-DDE	µg/l		ND [<0.01]	GES/SOP/PST01
82	2,4- DDD	µg/l		ND [<0.01]	GES/SOP/PST01
83	2,4- DDT	µg/l		ND [<0.01]	GES/SOP/PST01
84	Endosulfan-I	µg/l		0.4	ND [<0.01]
85	Endosulfan-II	µg/l	ND [<0.01]		GES/SOP/PST01
86	Endosulfan Sulphate	µg/l	ND [<0.01]		GES/SOP/PST01

Remark: ND-Not Detected



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TC-15751

## TEST REPORT

Test Report Number	GES/R0326/26087		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03 W26087	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	500 ml
Sampling Location	Hand Pump-Dushera	Sample Packing	Sterilized Glass Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	IS: 1622	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	26.03.2026

## RESULTS

### WATER QUALITY ANALYSIS

#### Bacteriological Parameters:

S. No.	Parameters	Unit	Requirement as per (IS-10500-2012) Amnd 4	Results	Test Method
87	Total Coliform	Per 100ml	Shall not be detectable	Absent	IS: 15185- 2016
88	E.Coli	Per 100ml	Shall not be detectable	Absent	IS: 15185- 2016



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## TEST REPORT

Test Report Number	GES/R0326/26088		Issued Date: 31.03.2026
Customer Name & Address	Issued to: <b>M/s BHAVANI ERECTORS PVT LTD</b> KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26088	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Unchagaon	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS

#### WATER QUALITY ANALYSIS

S. No.	Parameters	Unit	Requirement (IS-10500-2012) Amd 4, Max		Results	Test Method
			Acceptable	Permissible (in absence of alternate source)		
1	pH value (at 25°C)	-	6.5-8.5	No Relaxation	7.41	IS: 3025 (Part-11)2022
2	Color	Hazen	5	15	<5	IS: 3025 (Part-04/CI-4)2021
3	Turbidity	NTU	1	5	<1	IS: 3025 (Part-10)2023
4	Total Dissolved Solids	mg/l	500	2000	521	IS: 3025 (Part-16)2023
5	Total Alkalinity as CaCO <sub>3</sub>	mg/l	200	600	257	IS: 3025 (Part-23)2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	370	IS: 3025 (Part-21)2009RA2019
7	Calcium (as Ca)	mg/l	75	200	92.5	IS: 3025 (Part-40/CI-5)2024
8	Magnesium (as Mg)	mg/l	30	100	33.8	IS: 3025 (Part-46)2023
9	Chlorides (as Cl)	mg/l	250	1000	88	IS: 3025 (Part-32/CI-2)1988
10	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	45	IS: 3025 (Part-24/Sec-1)2022
11	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	5.1	IS: 3025 (Part-34/Sec-1)2024
12	Fluoride (as F)	mg/l	1.0	1.5	0.18	IS: 3025 (Part-60)2023
13	Dissolved Oxygen	mg/l	--	--	4.0	IS 3025 (Part 38/CI4.2): 1989
14	Phosphorous	mg/l	--	--	ND [< 0.1]	IS 3025 (Part 31/Sec-1/CI-5) : 2022
15	Acidity as CaCO <sub>3</sub>	mg/l	--	--	ND [< 2.0]	IS 3025 (Part-22):1986: 2019
16	Silica as SiO <sub>2</sub>	mg/l	--	--	ND [< 1.0]	IS 3025 (Part 35) CI3: 1988
17	Temperature	°C	--	--	26.8	IS 3025 (Part 09): 2023
18	Free Residual Chlorine (if chlorinated)	mg/l	0.2 min.	1.0	ND [< 0.1]	IS: 3025 (Part-26)2021
19	Zinc (as Zn)	mg/l	5	15	ND [< 0.1]	IS: 3025 (Part-49)2024
20	Iron (as Fe)	mg/l	1.0	No Relaxation	0.21	IS: 3025 (Part 53/CI-7)2024
21	Aluminum (as Al)	mg/l	0.03	0.2	ND [< 0.02]	IS: 3025 (Part-55)2003
22	Total Arsenic (as As)	mg/l	0.01	No Relaxation	ND [< 0.01]	IS: 3025 (Part-37)2022

Remark-ND-Not Detected



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## TEST REPORT

Test Report Number	GES/R0326/26088		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P.-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26088	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Unchagaon	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Req IS10500-2012 Amd 4		Results	Test Method
			Acceptable	Permissible		
23	Cadmium (as Cd)	mg/l	0.003	No Relaxation	ND [<0.003]	IS: 3025 (Part-41)2023
24	Lead (as Pb)	mg/l	0.01	No Relaxation	ND [< 0.01]	IS: 3025 (Part-47)2024
25	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025 (Part-52)2003
26	Manganese (as Mn)	mg/l	0.1	0.3	ND [< 0.05]	IS: 3025 (Part-59)2023
27	Nickel (as Ni)	mg/l	0.02	No Relaxation	ND [< 0.01]	IS: 3025 (Part-54)2003
28	Sodium (Na)	mg/l	-	-	27.3	IS: 3025 (Part-45)2024
29	Potassium (K)	mg/l	-	-	2.4	IS: 3025 (Part-45)2024
30	Boron (as B)	mg/l	0.5	2.4	ND [< 0.1]	IS 3025 (Part 57/Cl-5)2021
31	Chloramines (as Cl <sub>2</sub> )	mg/l	4.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-26)2021
32	Ammonia as Total ammonia-N	mg/l	0.5	No Relaxation	ND [< 0.2]	IS: 3025 (Part-34) 2023
33	Copper (as Cu)	mg/l	0.05	1.5	ND [< 0.05]	IS: 3025 (Part-42)2024
34	Mercury (as Hg)	mg/l	0.001	No Relaxation	ND [< 0.001]	IS: 3025 (Part-48)1994RA2019
35	Chromium (Hexavalent)	mg/l	-	-	ND [< 0.05]	IS 3025 (Part 52) Cl6: 2003
36	Polychlorinated biphenyls	mg/l	0.0005	No Relaxation	ND [< 0.0001]	AOAC 990.06
37	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/l	0.0001	No Relaxation	ND [< 0.00008]	AOAC 990.06

Remark-ND-Not Detected

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Dharmendra Kumar  
Quality Manager

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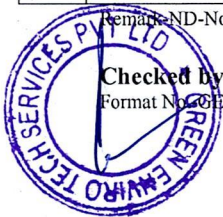
## TEST REPORT

Test Report Number	GES/R0326/N26088	Issued Date:	31.03.2026
Customer Name & Address	<b>Issued to:</b> <b>M/s BHAVANI ERECTORS PVT LTD</b> KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26088	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Unchagaon	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Req IS10500-2012 Amd 4		Results	Test Method
			Acceptable	Permissible		
38	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-05)1983RA2018
39	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025(Pt-29)1986RA2019
40	Mineral Oil	mg/l	1.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
41	Anionic Detergent MBAS	mg/l	0.2	1.0	ND [< 0.001]	APHA 24 <sup>th</sup> Edi. 5540 C
42	Phenolic Compounds	mg/l	0.001	0.002	ND [< 0.001]	IS: 3025 (Part-43)1992RA2019
43	Mineral Oil	mg/l	1.0	No Relaxation	ND [< 0.5]	IS: 3025 (Part-39)1991RA2019
44	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	ND [<0.05]	IS: 3025 (Part-02)
45	Conductivity	µS/cm	-	-	827	IS:3025 (Part-14)2013
46	Silver (as Ag)	mg/l	0.1	No Relaxation	ND [< 0.05]	Annex J IS: 13428
47	Barium (as Ba)	mg/l	0.7	No Relaxation	ND [< 0.2]	IS: 15302
48	Cyanide (as CN)	mg/l	0.05	No Relaxation	ND [< 0.05]	IS: 3025 (Part-27)1986RA2019
49	Selenium (as Se)	mg/l	0.01	No Relaxation	ND [< 0.001]	IS: 3025 (Part-56)2003RA2023
50	Uranium	mg/l	0.03	No Relaxation	ND [< 0.05]	IS:3025 (Part-65)
51	Total kjeldahl Nitrogen (TKN)	mg/l	-	-	ND [< 0.1]	IS 3025 (Part 34)
52	Nitrate (as NO <sub>2</sub> )	mg/l	-	-	5.8	IS: 3025 (Part-34)
53	Total Suspended Solids	mg/l	-	-	ND [< 5.0]	IS 3025 (Part 17)
54	Total Solids	mg/l	-	-	521	IS 3025 (Part 15)
55	Fixed Residue	mg/l	-	-	477	IS 3025 (Part 18)
56	Volatile Residue	mg/l	-	-	44	IS 3025 (Part 18)
57	Ammonical Nitrogen	-	-	-	ND [< 0.1]	IS 3025 (Part 34)
58	Biological Oxygen Demand At 27 0C For 3 Days	mg/l	-	-	ND [< 2.0]	IS 3025 (Part 44):2023
59	Chemical Oxygen Demand	mg/l	-	-	ND [< 4.0]	IS 3025 (Part 58) :2023

Remark: ND-Not Detected



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## TEST REPORT

Test Report Number	GES/R0326/N26088	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03W26088	Sample Receiving Date	25.03.2026
Sample Description	One Sample of Ground Water	Sample Quantity	10 L
Sampling Location	Hand Pump- Unchagaon	Sample Packing	Plastic Bottle
Sampling Date	24.03.2026	Sample Marking	Ground Water
Sampling Protocol	GES/CH/SOP/7.3-04	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	25.03.2026
Sampling Done by	GETS Lab Representative	Analysis End Date	31.03.2026

### RESULTS (WATER QUALITY ANALYSIS)

S No.	Parameters	Unit	Req IS10500-2012 Amd 4	Results	Test Method
<b>Pesticides Residue</b>					
60	Gamma HCH (Lindane)	µg/l	2	ND [<0.01]	GES/SOP/PST01
61	Ethion	µg/l	3	ND [<0.01]	GES/SOP/PST01
62	Phorate	µg/l	2	ND [<0.01]	GES/SOP/PST01
63	Isoproturon	µg/l	9	ND [<0.01]	GES/SOP/PST02
64	2,4 D	µg/l	30	ND [<0.01]	GES/SOP/PST02
65	Monocrotophos	µg/l	1	ND [<0.01]	GES/SOP/PST03
66	Atrazine	µg/l	2	ND [<0.01]	GES/SOP/PST03
67	Alachlor	µg/l	20	ND [<0.01]	GES/SOP/PST01
68	Atrazine	µg/l	2	ND [<0.01]	GES/SOP/PST01
69	Aldrin	µg/l	0.03	ND [<0.01]	GES/SOP/PST01
70	Dieldrin	µg/l	0.03	ND [<0.01]	GES/SOP/PST01
71	α HCH	µg/l	0.01	ND [<0.01]	GES/SOP/PST01
72	β HCH	µg/l	0.04	ND [<0.01]	GES/SOP/PST01
73	γ HCH	µg/l	2	ND [<0.01]	GES/SOP/PST01
74	δ- HCH	µg/l	0.04	ND [<0.01]	GES/SOP/PST01
75	Butachlor	µg/l	125	ND [<0.01]	GES/SOP/PST01
76	Chlorpyrifos	µg/l	30	ND [<0.01]	GES/SOP/PST01
77	Malathion	µg/l	190	ND [<0.01]	GES/SOP/PST01
78	Methyl Parathion	µg/l	0.3	ND [<0.01]	GES/SOP/PST01
79	4,4-DDD	µg/l		ND [<0.01]	GES/SOP/PST01
80	4,4-DDT	µg/l		ND [<0.01]	GES/SOP/PST01
81	4,4- DDE	µg/l		ND [<0.01]	GES/SOP/PST01
82	2,4-DDE	µg/l	1	ND [<0.01]	GES/SOP/PST01
83	2,4- DDD	µg/l		ND [<0.01]	GES/SOP/PST01
84	2,4- DDT	µg/l		ND [<0.01]	GES/SOP/PST01
85	Endosulfan-I	µg/l	0.4	ND [<0.01]	GES/SOP/PST01
86	Endosulfan-II	µg/l		ND [<0.01]	GES/SOP/PST01
87	Endosulfan Sulphate	µg/l		ND [<0.01]	GES/SOP/PST01

Remark-ND-Not Detected



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Sharmendra Kumar  
Quality Manager

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An Analytical Laboratory

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E-mail : getslab2024@gmail.com | Website : www.getslab.in

Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578



## TEST REPORT

Test Report Number	GES/R0326/26088			Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.				
<b>DETAILS OF SAMPLE</b>					
Job Order Number	GES/2026/03 W26088	Sample Receiving Date	25.03.2026		
Sample Description	One Sample of Ground Water	Sample Quantity	500 ml		
Sampling Location	Hand Pump- Unchagaon	Sample Packing	Sterilized Glass Bottle		
Sampling Date	24.03.2026	Sample Marking	Ground Water		
Sampling Protocol	IS: 1622	Type of Sampling	Grab Sampling		
Weather Condition	Clear	Analysis Start Date	25.03.2026		
Sampling Done by	GETS Lab Representative	Analysis End Date	26.03.2026		
<b>RESULTS</b>					
<b>WATER QUALITY ANALYSIS</b>					
<b>Bacteriological Parameters:</b>					
S. No.	Parameters	Unit	Requirement as per (IS-10500-2012) Amnd 4	Results	Test Method
88	Total Coliform	Per 100ml	Shall not be detectable	Absent	IS: 15185- 2016
89	<i>E.Coli</i>	Per 100ml	Shall not be detectable	Absent	IS: 15185- 2016

Remark-ND-Not Detected



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## TEST REPORT

### FLY ASH

Test Report Number	GES/R0326/26082		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03SW26082	Sample Receiving Date	26.03.2026
Sample Description	Fly Ash Sample	Sample Quantity	500 gm
Sampling Location	From Silo	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels (Fly Ash)
Sampling Protocol	IS:2720	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

### TEST RESULTS

#### SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
1	Iron (as Fe)	mg/kg	10188	GES/CH/SOP/SW-07
2	Manganese (as Mn)	mg/kg	95	GES/CH/SOP/SW-07
3	Nickel (as Ni)	mg/kg	12	GES/CH/SOP/SW-07
4	Chromium (as Cr)	mg/kg	15	GES/CH/SOP/SW-07
5	Zinc (as Zn)	mg/kg	20	GES/CH/SOP/SW-07
6	Lead (as Pb)	mg/kg	5.3	GES/CH/SOP/SW-07
7	Arsenic (as As)	mg/kg	4.8	GES/CH/SOP/SW-09
8	Cadmium (as Cd)	mg/kg	<5.0	GES/CH/SOP/SW-07
9	Mercury (as Hg)	mg/kg	<2.0	GES/CH/SOP/SW-09
10	Copper (as Cu)	mg/kg	7.7	GES/CH/SOP/SW-07

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Quality Manager

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## TEST REPORT

### FLY ASH

Test Report Number	GES/R0326/N26082	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03SW26082	Sample Receiving Date	26.03.2026
Sample Description	Fly Ash Sample	Sample Quantity	500 gm
Sampling Location	From Silo	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels (Fly Ash)
Sampling Protocol	IS:2720	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

## TEST RESULTS

### SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
11	Vanadium	mg/kg	17.5	GES/CH/SOP/SW-07
12	Antimony	mg/kg	<5.0	GES/CH/SOP/SW-07
13	Cyanide	mg/kg	<2.0	GES/CH/SOP/SW-18



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TC-15751

## TEST REPORT BOTTOM ASH

Test Report Number	GES/R0326/26083	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03SW26083	Sample Receiving Date	26.03.2026
Sample Description	Bottom Ash Sample	Sample Quantity	500 gm
Sampling Location	Unit-01	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels (Bottom Ash)
Sampling Protocol	IS:2720	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

## TEST RESULTS SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
1	Iron (as Fe)	mg/kg	70010	GES/CH/SOP/SW-07
2	Manganese (as Mn)	mg/kg	750	GES/CH/SOP/SW-07
3	Nickel (as Ni)	mg/kg	15	GES/CH/SOP/SW-07
4	Chromium (as Cr)	mg/kg	14	GES/CH/SOP/SW-07
5	Zinc (as Zn)	mg/kg	36	GES/CH/SOP/SW-07
6	Lead (as Pb)	mg/kg	2.4	GES/CH/SOP/SW-07
7	Arsenic (as As)	mg/kg	2.1	GES/CH/SOP/SW-09
8	Cadmium (as Cd)	mg/kg	<5.0	GES/CH/SOP/SW-07
9	Mercury (as Hg)	mg/kg	<2.0	GES/CH/SOP/SW-09
10	Copper (as Cu)	mg/kg	8.2	GES/CH/SOP/SW-07

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## TEST REPORT BOTTOM ASH

Test Report Number	GES/R0326/N26083	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>DETAILS OF SAMPLE</b>			
Job Order Number	GES/2026/03SW26083	Sample Receiving Date	26.03.2026
Sample Description	Bottom Ash Sample	Sample Quantity	500 gm
Sampling Location	Unit-01	Sample Packing	Zip polybag
Sampling Date	25.03.2026	Sample Marking	Solid Fuels (Bottom Ash)
Sampling Protocol	IS:2720	Type of Sampling	Grab Sampling
Weather Condition	Clear	Analysis Start Date	26.03.2026
Sampling Done by	GETS Laboratory	Analysis End Date	31.03.2026

## TEST RESULTS SOLID WASTE ANALYSIS

S. No.	Parameter	Unit	Result	Test Method
11	Vanadium	mg/kg	14.5	GES/CH/SOP/SW-07
12	Antimony	mg/kg	<5.0	GES/CH/SOP/SW-07
13	Cyanide	mg/kg	<2.0	GES/CH/SOP/SW-18

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## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/26064		Issued Date: 31.03.2026
Customer Name & Address	Issued to: <b>M/s BHAVANI ERECTORS PVT LTD</b> KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26064	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling : 24.03.2026 (10:10 AM) to 25.03.2026 (10:10 AM)  
 Sampling Duration : 24 Hr. (except CO & Ozone for 1 hr)  
 Sampling Protocol : IS: 5182 (Part-05 & Part-14)  
 Sampling Location : **Tower Gate No-03 (South)**  
 Weather Condition : Clear  
 Ambient Temperature (°C) : Min: 24, Max: 36  
 Sampler Location w.r.t. Height : 2.0 meter  
 Avg Flow Rate of RSPM (m<sup>3</sup>/min) : 1.17  
 Sample Packing & Marking : Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag,

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	75	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	42	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.5	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	25.6	80	IS: 5182 (Part-06) 2018
5.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	ND (<20)	400	IS: 5182 (Part-25) 2018
6.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	25.9	180	IS: 5182 (Part-09) 1974
7.	Lead as Pb	µg/m <sup>3</sup>	ND (<0.5)	1	IS: 5182 (Part-22) 2004
8.	Nickel as Ni	ng/m <sup>3</sup>	ND (<10)	20*	IS: 5182 (Part-26) 2020
9.	Arsenic (As)	ng/m <sup>3</sup>	ND (<1.0)	6	GES/CH/SOP/AIR-01
10.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.48	04	IS: 5182 (Part-10) 1999
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	ND (<0.5)	5*	IS: 5182 (Part-11) 2006
12.	Benzo(a)Pyrene	ng/m <sup>3</sup>	ND (<0.5)	1*	IS: 5182 (Part-12) 2004

Note- \* = Annual Standard, ND= Not Detected, Value given in parenthesis indicates Detection Limit.

Green Enviro Tech Services Pvt. Ltd.



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Dharmendra Kumar  
Quality Manager

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Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578

## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/N26064	Issued Date: 31.03.2026	
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26064	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling	: 24.03.2026 (10:10 AM) to 25.03.2026 (10:10 AM)
Sampling Duration	: 24 Hr. (except CO & Ozone for 1 hr)
Sampling Protocol	: IS: 5182 (Part-05 & Part-14)
Sampling Location	: Tower Gate No-03 (South)
Weather Condition	: Clear
Ambient Temperature (°C)	: Min: 24, Max: 36
Sampler Location w.r.t. Height	: 2.0 meter
Avg Flow Rate of RSPM (m <sup>3</sup> /min)	: 1.17
Sample Packing & Marking	: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag,

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Mercury (as Hg)	ng/m <sup>3</sup>	ND (<1.0)	Not Specified	GES/CH/SOP/AIR-02

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Quality Manager

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TC-15751

## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/26065		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26065	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling	: 24.03.2026 (10:20 AM) to 25.03.2026 (10:20 AM)
Sampling Duration	: 24 Hr. (except CO & Ozone for 1 hr)
Sampling Protocol	: IS: 5182 (Part-05 & Part-14)
Sampling Location	: Water Reservoir (North)
Weather Condition	: Clear
Ambient Temperature (°C)	: Min: 24, Max: 36
Sampler Location w.r.t. Height	: 2.0 meter
Avg Flow Rate of RSPM (m <sup>3</sup> /min)	: 1.17
Sample Packing & Marking	: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag.

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	65	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	45	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.2	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	29.1	80	IS: 5182 (Part-06) 2018
5.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	ND (<20)	400	IS: 5182 (Part-25) 2018
6.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	26.5	180	IS: 5182 (Part-09) 1974
7.	Lead as Pb	µg/m <sup>3</sup>	ND (<0.5)	1	IS: 5182 (Part-22) 2004
8.	Nickel as Ni	ng/m <sup>3</sup>	ND (<10)	20	IS: 5182 (Part-26) 2020
9.	Arsenic (As)	ng/m <sup>3</sup>	ND (<1.0)	6	GES/CH/SOP/AIR-01
10.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.62	04	IS: 5182 (Part-10) 1999
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	ND (<0.5)	5*	IS: 5182 (Part-11) 2006
12.	Benzo(a)Pyrene	ng/m <sup>3</sup>	ND (<0.5)	1*	IS: 5182 (Part-12) 2004

Note: \* = Annual Standard, ND = Not Detected, Value given in parenthesis indicates Detection Limit.



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## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/N26065		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26065	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling : 24.03.2026 (10:20 AM) to 25.03.2026 (10:20 AM)  
 Sampling Duration : 24 Hr. (except CO & Ozone for 1 hr)  
 Sampling Protocol : IS: 5182 (Part-05 & Part-14)  
 Sampling Location : **Water Reservoir (North)**  
 Weather Condition : Clear  
 Ambient Temperature (°C) : Min: 24, Max: 36  
 Sampler Location w.r.t. Height : 2.0 meter  
 Avg Flow Rate of RSPM (m<sup>3</sup>/min) : 1.17  
 Sample Packing & Marking : Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag.

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Mercury (as Hg)	ng/m <sup>3</sup>	ND (<1.0)	Not Specified	GES/CH/SOP/AIR-02



Green Enviro Tech Services Pvt. Ltd.

Dharmendra Kumar  
Quality Manager

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\*\*\*End of Report\*\*\*

#### Terms & Conditions :

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# GREEN ENVIRO TECH SERVICES PVT. LTD.

An Analytical Laboratory

(AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified)

Plot No.-69, Kherli Hafizpur, Gr. Noida, G.B. Nagar-203202

E-mail : getslab2024@gmail.com | Website : www.getslab.in

Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578



TC-15751

## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/26066		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26066	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling	: 25.03.2026 (10:00 AM) to 26.03.2026 (10:00 AM)
Sampling Duration	: 24 Hr. (except CO & Ozone for 1 hr)
Sampling Protocol	: IS: 5182 (Part-05 & Part-14)
Sampling Location	: After Switch Yard (East)
Weather Condition	: Clear
Ambient Temperature (°C)	: Min: 24, Max: 36
Sampler Location w.r.t. Height	: 2.0 meter
Avg Flow Rate of RSPM (m <sup>3</sup> /min)	: 1.17
Sample Packing & Marking	: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag,

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	68	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	46	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.8	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	27.7	80	IS: 5182 (Part-06) 2018
5.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	ND (<20)	400	IS: 5182 (Part-25) 2018
6.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	29.0	180	IS: 5182 (Part-09) 1974
7.	Lead as Pb	µg/m <sup>3</sup>	ND (<0.5)	1	IS: 5182 (Part-22) 2004
8.	Nickel as Ni	ng/m <sup>3</sup>	ND (<10)	20*	IS: 5182 (Part-26) 2020
9.	Arsenic (As)	ng/m <sup>3</sup>	ND (<1.0)	6	GES/CH/SOP/AIR-01
10.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.55	04	IS: 5182 (Part-10) 1999
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	ND (<0.5)	5*	IS: 5182 (Part-11) 2006
12.	Benzo(a)Pyrene	ng/m <sup>3</sup>	ND (<0.5)	1*	IS: 5182 (Part-12) 2004

Note- \* = Annual Standard, ND= Not Detected, Value given in parenthesis indicates Detection Limit.



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## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/N26066	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26066	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling : 25.03.2026 (10:00 AM) to 26.03.2026 (10:00 AM)  
Sampling Duration : 24 Hr. (except CO & Ozone for 1 hr)  
Sampling Protocol : IS: 5182 (Part-05 & Part-14)  
Sampling Location : After Switch Yard (East)  
Weather Condition : Clear  
Ambient Temperature (°C) : Min: 24, Max: 36  
Sampler Location w.r.t. Height : 2.0 meter  
Avg Flow Rate of RSPM (m<sup>3</sup>/min) : 1.17  
Sample Packing & Marking : Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag,

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Mercury (as Hg)	ng/m <sup>3</sup>	ND (<1.0)	Not Specified	GES/CH/SOP/AIR-02

Green Enviro Tech Services Pvt. Ltd.



Sharmendra Kumar  
Quality Manager

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TC-15751

## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/26067		Issued Date: 31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26067	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling : 25.03.2026 (10:15 AM) to 26.03.2026 (10:15 AM)  
 Sampling Duration : 24 Hr. (except CO & Ozone for 1 hr)  
 Sampling Protocol : IS: 5182 (Part-05 & Part-14)  
 Sampling Location : Railway Siding (West)  
 Weather Condition : Clear  
 Ambient Temperature (°C) : Min: 24, Max: 36  
 Sampler Location w.r.t. Height : 2.0 meter  
 Avg Flow Rate of RSPM (m<sup>3</sup>/min) : 1.17  
 Sample Packing & Marking : Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag.

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	72	100	IS: 5182 (Part-23) 2022
2.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	38	60	IS: 5182 (Part-24) 2024
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.1	80	IS: 5182 (Part-02) 2023
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	32.5	80	IS: 5182 (Part-06) 2018
5.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	ND (<20)	400	IS: 5182 (Part-25) 2018
6.	Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	26.9	180	IS: 5182 (Part-09) 1974
7.	Lead as Pb	µg/m <sup>3</sup>	ND (<0.5)	1	IS: 5182 (Part-22) 2004
8.	Nickel as Ni	ng/m <sup>3</sup>	ND (<10)	20*	IS: 5182 (Part-26) 2020
9.	Arsenic (As)	ng/m <sup>3</sup>	ND (<1.0)	6	GES/CH/SOP/AIR-01
10.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.68	04	IS: 5182 (Part-10) 1999
11.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	ND (<0.5)	5*	IS: 5182 (Part-11) 2006
12.	Benzo(a)Pyrene	ng/m <sup>3</sup>	ND (<0.5)	1*	IS: 5182 (Part-12) 2004

Note- \* = Annual Standard, ND= Not Detected, Value given in parenthesis indicates Detection Limit.

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*[Signature]*

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## TEST REPORT Ambient Air Quality

Test Report Number	GES/R0326/N26067	Issued Date:	31.03.2026
Customer Name & Address	Issued to: M/s BHAVANI ERECTORS PVT LTD KHURJA SUPER THERMAL POWER PLANT PROJECT VILLAGE & POST-DASHERA KHERLI, TEHSIL-KHURJA, DISTRICT-BULANDSHAHR, U.P-203131.		
<b>Details of Sample</b>			
Job Order Number	GES/2026/03A26067	Sample Receiving Date	26.03.2026
Sample Description	Ambient Air	Analysis Start Date	26.03.2026
Sampling Done by	GES Laboratory Representative	Analysis End Date	30.03.2026

### Sampling Details

#### Sample Particulars:

Date & Time of Sampling	: 25.03.2026 (10:15 AM) to 26.03.2026 (10:15 AM)
Sampling Duration	: 24 Hr. (except CO & Ozone for 1 hr)
Sampling Protocol	: IS: 5182 (Part-05 & Part-14)
Sampling Location	: Railway Siding (West)
Weather Condition	: Clear
Ambient Temperature (°C)	: Min: 24, Max: 36
Sampler Location w.r.t. Height	: 2.0 meter
Avg Flow Rate of RSPM (m <sup>3</sup> /min)	: 1.17
Sample Packing & Marking	: Plastic Bottle, Tedlar Bag & Filter Paper in Zip Polybag,

### TEST RESULTS

S. No.	Parameters	Unit	Results	NAAQ Standards	Test Method
1.	Mercury (as Hg)	ng/m <sup>3</sup>	ND (<1.0)	Not Specified	GES/CH/SOP/AIR-02

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Dhanendra Kumar  
Quality Manager

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