

MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED

Bhusawal Thermal Power Station, Deepnagar

(An ISO 9001:2015, ISO14001:2015 ISO 45001:2018, EMS 50001:2011 Certified Units)

Dispatch Section

2 x 500 MW, BTPS, Ste-3



Maharashtra State Power Generation Co. Ltd.

CTN: U40100MH2005SGC153648



Chief Engineer (O&M),

Bhusawal Thermal Power Station,
Deepnagar, Tal. Bhusawal
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Ref. No: CE(O&M)/BTPS/Env. Cell/FL-44

No - 0757

Date:

1-5 FEB 2026

To,
Director,
Regional Office (WCZ),
MoEF&CC, Ground floor, East wing,
New Secretariat Building,
Civil lines, Nagpur-440001.

Subject: Updated status of compliance of Environmental Clearance Conditions pertains to 1x660MW Bhusawal Thermal Power plant six monthly report for the period of **Jul-2025 to Dec- 2025.**

- Ref.:** 1) Environmental Clearance vide Ltr. No. J 13012/75/2010-IA. II(T)Dtd.27.11.2012.
2) Extension granted vide Letter No. J 13012/75/2010 -IA. II (T), Dtd.30.05.2017.
3) Extension granted vide Letter No. J 13012/75/2010 -IA. II (T), Dtd.14.01.2020.
4) Letter by MoEF&CC for change in coal source & flue gas exit velocity-No. j-13012/75/2010-IA. II (T), dt.11.09.2020.

Respected Sir/Madam,

With reference to the above subject, the updated status of compliance for the Environmental Clearance (EC) Conditions for Unit No. 6 (1x660MW), BTPS Project for the period of **Jul-2025 to Dec-2025** is as per attachment.

Bhusawal TPS is taking all environmental mitigating measures for implementation and provision of systems to achieve environmental clearance conditions, Consent conditions, MoEF&CC norms as per the guidelines of MOEF&CC/CPCB/MPCB.

Chief Engineer (O&M)
BTPS, Deepnagar

Encl: As stated above

Copy s. w. r. to:

1. The Joint Director (APC), MPCB, Kalpataru Point, 3rdFloor, Sion- Matunga, Opp. Sion Circle, Sion(E), Mumbai -400 022.
2. The Executive Director (E&S), MSPGCL, Mumbai-400 051.

Copy to:

1. The Regional officer, MPCB, Udyog Bhavan, 1stfloor, Trimbak Road, Near I.T.I. Satpur, Nasik-422007.
2. Sub-Regional Officer, Jalgaon, MPCB office, Hall "A" 3rd Floor, B. J. Market, **Jalgaon-425001.**
3. Chief Engineer (E&S), MSPGCL, Mumbai-51.
4. Supdt. Chemist-I, MSPGCL, Mumbai-51.

**Environmental Clearance Conditions for
1x660 MW Coal Based Thermal Power Project at Bhusawal**

EC Conditions

Point-4-A-Specific Conditions

No.	EC Conditions	Compliance
4-A- (i)	It shall be ensured that old units of Unit 2x210 MW viz. Unit-II and Unit-III are retrofitted to ensure that ESPs for these units comply with 50 mg/Nm ³ . Old ESP shall be accordingly replaced.	<p>a) Unit No. 2 (210 MW) was decommissioned w.e.f. 01.04.2017 (It was declared closed as per MSPGCL Board Resolution No. MSPGCL / CS / BM / 172 / 172.12 Dtd.22.08.2017).</p> <p>b) As per CEA letter No. CEA/TPRM/R&M/2023/ 259-261 Dtd:09/04/2024, Unit No. 3 (210 MW) of Bhusawal TPS was considered in draft phasing plan of R&M/LE for identified coal based thermal units and incorporated in Phase-I for opting comprehensive R&M of thermal units. Primary DPR report of R&M of Unit-3 is submitted by CPRI to CE (P&P), MSPGCL.</p> <p>Moreover, it is to state that, Bhusawal TPS already provided 20 Nos. of ESP fields (in 2003) & Ammonia Flue Gas Conditioning (AFGC) System since 2005 for Unit No.3 (210 MW). Regular maintenance work of all ESP fields carried out such as, replacement of Emitting Electrodes; Repair & replacement of collecting plates, Shock bars, and rapping hammers, ERM & CRM Gearbox etc.</p> <p>As per MPCB/CPCB/MoEF&CC norms, desired SPM limit for Unit No.3 (210MW) of Bhusawal TPS is 100 mg/Nm³. Currently Bhusawal TPS has maintaining SPM level below 100 mg/Nm³ of Unit- 3 (210MW). Regular Stack Emission Monitoring is carried out from MoEF&CC recognized agency and the results are well within prescribed limits. Now Unit No.3 of BTPS is under RSD since May-2025.</p>
4-A- (ii)	Additional coal requirement of about 1.99 MTPA will be obtained from other power plants of Mahagenco which are being shut down, only as an interim period until Machhakatta Coal mines becomes operational.	Ministry vide letter dt. 11.09.2020 has permitted to use existing linkages of old units of MAHAGENCO, sourced from WCL, SECL & MCL mines in view of cancellation of Machhakatta coal mine. Coal linkage from Ghugus mine has been started.

4-A- (iii)	Scheme for implementation for harnessing solar power within the premises of the plant particularly at available roof tops shall be formulated and status of implementation shall be submitted to the Regional Office of the Ministry from time to time.	In order to implement for harnessing solar power within the premises of Bhusawal 1x660 MW project, provisions are already made for roof top solar photo voltaic (PV) system & guidance regarding incorporation of the same requested from CE (P&P) vide letter No.CE(P) / BSL / Proj / 1x660 MW / EC / Solar / No.0979 Dtd.22.06.2020 And follow up letter is sent vide letter No. CE(P)/BSL/Proj/ 1x660MW /WTP /No. 01791 Dtd. 28.07.2023. Further site survey was carried out to identify feasible plant buildings for solar roof top project, in which around 13097 Sq. Meter areas was identified. In this regard this office is in continuously follow up with CE-RE (P&P) and have drafted letter No. CE(P)/BSL/Proj/1x660MW/WTP/No.00 830 Dtd.25.04.2025 for updated status of this scheme.
4-A- (iv)	Space provision for installation of FGD shall be provided for future use.	Space provided for FGD installation; however, FGD system installation work is 70% completed & remaining work is under progress, expected to be complete in March- 2026 (As per M/s. BHEL commitment).
4-A- (v)	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.5% and 34% respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to the Ministry for suitable amendments to environment clearance conditions wherever necessary.	Shall be observed and any variation will be intimated. However, MoEF&CC, Govt. of India Gazette Notification Dtd.21.05.2020 has permitted to use of coal by Thermal Power Plants without stipulations as regards Ash content. Hence, it is requested to relax the condition of use of coal by power plant with stipulated sulphur and ash percentage.
4-A- (vi)	A long-term study on radio activity and heavy metals contents in coal to be used shall be carried out through a reputed institute. Thereafter a 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.	Study on radioactive substances in coal, fly ash and bottom ash is done from M/s. Board of Radiation & Isotope Technology (BRIT), Mumbai. Samples were collected on Dtd.15.03.2020 & analysis carried out on Dtd.29.05.2020. Study of Heavy metals content in coal, fly ash and bottom ash is done from M/s. Central Institute of Mining & Fuel Research, Dhanbad. Samples were collected on Dtd.15.03.2020 & analysis carried out on Dtd.02.07.2020. (The reports are attached herewith.)

4-A-(vii)	Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land is affected, damage to any land.	To control Fugitive emission at coal handling plant dust suppression system for wagon tippers and conveyor belts is functioning and operational. Similarly, the dust extraction system at the crusher house and bunker house are operational. The dust suppression system at the stacker yard was recently installed in February 2025 and is now fully operational and functioning. Furthermore, a new dust collector system has been successfully installed at the discharge of apron feeders to effectively control excessive dusty coal. Also various additional measures will be taken to control the fugitive emission of excessive dusty coal received.
4-A-(viii)	Fly ash shall not be used for mine void filling or agricultural purpose.	Bhusawal TPS is not using Fly ash for mine void filling or agricultural purpose.
4-A-(ix)	A stack of 275 m height with flue gas velocity not less than 22 m/s shall be installed and provided with continuous online monitoring equipment's for SO _x , NO _x and PM _{2.5} & PM ₁₀ . Mercury emissions from stack may also be monitored on periodic basis.	A stack of 275 m height with flue gas velocity 22 m/s is provided. Continuous online monitoring equipment's for SO _x , NO _x and PM installed. Mercury emissions & SO _x , NO _x and PM Emission from stack are monitored manually on periodic basis by MoEF&CC recognised & NABL accredited agency. (Reports attached).
4-A-(x)	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	High Efficiency Electrostatic Precipitators (ESPs) with 108 fields are provided to ensure the particulate emission within the specified limits.
4-A-(xi)	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.	Adequate Dust Extraction system such as Water Spraying system in dusty areas such as CHP area is provided. The erection & commissioning dust suppression & dust extraction is completed & are in service.
4-A-(xii)	Utilization of 100% fly ash generated shall be made from day one of operation of Unit-VI (660 MW). Status of 100% ash utilization of other units shall be submitted to the R.O. of the Ministry and the State Pollution Control Board from time to time.	To follow the 100% Utilization from day one of operation, fly ash generated from 660 MW is given to Existing trader agencies for 2X500 MW under 80% quota. Similarly, separate Ash sales orders for 660MW are issued from July-2025 by Head office of MAHAGENCO are valid till next 03 years in view to achieve 100% ash utilization
4-A-(xiii)	Fly ash shall be collected in dry form and storage facilities (silos) shall be	Bhusawal TPS has provided Remote fly ash silo & HSCD silo is provided for

	provided. Unutilized fly ash shall be disposed of in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed of in low lying area.	collection of fly ash in dry form Unit-6 (1x660 MW). Unutilized fly ash is disposed off in the existing ash pond of 2x500MW Project is slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) are monitored regularly in bottom ash & Fly Ash.
4-A-(xiv)	Rehabilitation of abandoned ash pond shall ensure that ecological restoration is physically manifested within a period of three years and accordingly action plan formulated, and details submitted to the regional office of the Ministry and the State Pollution Control Board.	Natural growth of plantation of local species already developed on abandoned ash bund.
4-A-(xv)	Three tier green belts shall be developed all around Ash Pond-II over and over Green Belt around the plant boundary.	Green Belt around Plant boundary is included in M/s. BHEL EPC scope. The work Green belt development is already started and out of total 1.73 lacs plantation 48,000 trees are planted. Remaining plantation work is in progress.
4-A-(xvi)	Ash pond shall be lined with HDPE / LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	New ash pond not proposed for 1x660MW unit. Old ash pond will be utilized by rising of ash bund up to RL 270 meter in phased manner.
4-A-(xvii)	Hydrogeology of the area shall be reviewed annually from an institute / organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case any deterioration is observed specific mitigation measures shall be undertaken and reports / data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	To monitor water quality of the area, collection & analysis of Ground water & Surface water samples carried out through NABL Accredited laboratory on regular intervals. (Reports attached).
4-A-(xviii)	No ground water shall be extracted for use in operation of the power plant even in lean season.	Ground water not extracted for operation of the power plant.
4-A-(xix)	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.	Due care has been taken so that no water bodies (including a natural drainage system) in the area will be disturbed.

4-A-(xx)	COC of 5.0 shall be adopted.	Maintaining COC - 5.0.
4-A-(xxi)	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	Regular ground water monitoring around the ash pond area is carried out from NABL accredited agency. Proposal for construction of piezometers initiated & work will be start soon. However, there is a provision of 4 percolation wells near ash bund, from which the water sample is collected and analysed for heavy metals (Hg, Cr, As, Pb) from NABL accredited agency every month. (Reports attached).
4-A-(xxii)	Monitoring surface water quality and quantity in the area 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 be undertaken.	Regular monitoring of surface water quality in and around the periphery of Bhusawal TPS carried out through MoEF&CC recognized and NABL Accredited agency (Reports attached).
4-A-(xxiii)	Wastewater generated from the plant shall be treated before discharge to comply with limits prescribed by the SPCB.	To treat Wastewater generated from the plant, Effluent Treatment Plant provided for 1X660MW, BTPS and is in service, treated effluent used for ash handling purpose. There is no discharge outside the plant. Treated water parameters are well within limits prescribed by the SPCB.
4-A-(xxiv)	The project proponent shall undertake rainwater harvesting measures and shall develop water storage for use in the operation of the plant. A rainwater harvesting system shall be put in place which shall comprise of rainwater collection from the built up and open area in the plant premises. The action plan for implementation shall be submitted to the Regional Office of the Ministry.	Total six numbers of Rainwater Harvesting ponds are proposed for the project. Out of these six Rainwater Harvesting ponds, five are in M/s BHEL scope and one Rainwater Harvesting pond is in MSPGCL scope. Out of which five are in BHEL scope and are completed. Proposal for Rainwater Harvesting pond in MSPGCL scope is submitted to HO for approval and further process.
4-A-(xxv)	It shall be ensured that the area drainage is not disturbed due to the proposed project.	It is ensured that the area drainage is not disturbed due to this project.
4-A-	The levelling in plant area should be	No major or minor canal is passing

(xxvi)	minimum with no or minimal disturbance to the natural drainage of the area. If the minor canals (if any) have to be diverted the design for diversion should be such that the diverted canals not only drain the plant area but also collect the volume of flood water from the surrounding areas and discharge into marshy areas / major canals that enter into creek / nallah etc. Major canals should not be altered but their bunds should be strengthened and desilted.	through the proposed plant area.
4-A-(xxvii)	The project proponent shall also adequately contribute in the development of the neighbouring villages. Special package with implementation schedule for providing free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Various works under CSR activities are carried out & going on for development of the neighbouring villages. Such as Supply of Potable water is villages Nimbhora Bk., Kapil nagar, Sakri & Fekari. Also, water supply scheme work is in progress for village Pimprisekam & Fulgaon. List of Various CSR activities provided to nearby villages attached. (As per Annexure).
4-A-(xxviii)	As part of CSR, regular health check-ups of villagers in the nearby villages shall be carried out and records maintained.	Shall be complied.
4-A-(xxix)	A time bound implementation of the CSR shall be formulated within six months and submitted to the Ministry. It shall be ensured that an in-built monitoring mechanism for the CSR schemes identified, and R&R are in place and annual social audit shall be got done from the nearest government institute repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time. The achievements should be put on the company's website.	CSR Phase-I- Civil works completed as per Grampanchayat Demands (As per Annex). CSR Phase-III, IV, V, and other CSR work are in progress. (As per Annexure).
4-A-(xxx)	CSR scheme shall be undertaken based on need-based assessment in and around the villages within 5 km of the site and in constant consultation with the Village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training as may be necessary shall be undertaken as	All villagers under 5 Km distance are considered in CSR Phase-I & Phase-III works. Works shall be carried out as per demands from Grampanchayat.

	committed.	
4-A- (xxxix)	The amount of Rs. 18.20 Crores shall be earmarked as onetime capital cost for CSR program as committed by the project proponent. Subsequently a recurring expenditure of Rs. 3.64 Crores per annum till the life of the plant shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six months along with a road map for implementation.	CSR Programme is implemented in phased manner as per demands of Grampanchayat Authority. CSR work such as Road, Drain, Wall Compound, Community Hall, Water supply scheme etc are completed in CSR Phase- I, Phase III, IV and V works are in progress. Further, CSR works in recurring expenditure will be taken by O&M authority. (Annexure is attached herewith.)
4-A- (xxxixii)	Green Belt consisting of 3 tiers of plantations of native species around plant and 100 m width shall be raised. The density of trees shall not less than 2500 per ha with survival rate not less than 80%.	Green belt development is part of M/s. BHEL EPC package. The work is already started and out of total 1.73 lacs plantation 48,000 trees are planted. Remaining plantation work is in progress.
4-A- (xxxixiii)	An Environmental Cell comprising of at least one expert in environmental science / engineering occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization who would be accountable for implementation of environmental regulations and social impact improvement / mitigation measures.	Complied.
	4-B- GENERAL CONDITION	
4-B- (i)	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.	Trade effluents are connected to Central Monitoring Basin (CMB) of Effluent Treatment Plant (ETP). All trade effluents are treated at ETP & reused within the plant premises. ETP: Installation of ETP is completed & it is in service. Storm water drains connected to rainwater harvesting pond separately.
4-B- (ii)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt plantation.	Sewage treatment plant provided, and the treated sewage shall be used for raising greenbelt plantation.
4-B- (iii)	Adequate safety measures shall be	In view of Safety to avoid spontaneous

	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 the location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	fire in coal yard, especially during summer season, dust suppression system at the stacker yard installed and is fully operational and functioning.
4-B- (iv)	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.	Storage facilities for auxiliary liquid fuels such as LDO/HFO/LSHS are provided and CCOE, PESO License issued.
4-B- (v)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid and sanitation arrangements are made for the drivers and other contract workers during construction phase.
4-B- (vi)	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85dB (A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs / earmuffs 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.	Acoustic enclosures, silencers and mufflers, wherever required shall be provided for reducing the noise levels. Personal protective equipment shall be provided to employees & workers. Noise level measurement for Unit No. 6 (1 x 660 MW) at various locations are carried out once in a month.
4-B- (vii)	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ and Hg 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. The	Regular monitoring of ambient air quality Carried out at 04 Locations (Twice in a week at each location as per NAAQMS) in the impact zone. The location of the monitoring stations and frequency of monitoring is decided in consultation with MPCB. Additionally for monitoring of ambient air quality 24X7, 03 Nos. of CAAQMS provided, Installation of 4 th CAAQMS station is in progress. Periodic reports submitted to the Regional Office of this Ministry & MPCB. Six monthly EC Compliance report is made available on

	data shall also be put on the website of the company.	the website of the company.
4-B- (viii)	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.	Provision is made for the housing of construction labour (as applicable) near site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing is in form of temporary structures which will be removed after the completion of the project.
4-B- (ix)	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 his 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 .	Advertise was published in newspapers. a) Lokmat Times, Aurangabad on or before dtd.15/ 12/2012. b) Dainik Sakal, Jalgaon on or before dtd.15/ 12/2012.
4-B- (x)	A copy of the clearance letter shall be sent by the proponent to concern Panchayat, Zilha Parishad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied vide letter no. Dy. CE (C)/CCC/BSL/ 3116, dated 15/12/2012.
4-B- (xi)	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 (PM _{2.5} & PM ₁₀), SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a	Complied.

	convenient location near the main gate of the company in the public domain.	
4-B-(xii)	The environment statement for each financial year ending 31 st 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 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.	Environment statement for each financial year submitted to MPCB online portal every year before 30 th Sept. Updated status of compliance of environmental clearance conditions six monthly report is made available on the company website after submission to MoEF regional office.
4-B-(xiii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of 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.	Updated status of compliance of environmental clearance conditions six monthly report Submitted regularly to Regional Office of MOEF&CC, Central Pollution Control Board and State Pollution Control Board.
4-B-(xiv)	The Regional Office of the Ministry of Environment & Forests 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 the same from time to time at least six-monthly basis. Criteria pollutants	Shall be complied.

	levels including NO _x (from stack & ambient air) shall be displayed at the gate of the power plant.	
4-B-(xv)	Separate funds shall be allocated for implementation of environmental protection measures along with item wise breakup. 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.	Separate funds shall be allocated for implementation of Environment protection measures.
4-B-(xvi)	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.	The date of financial closure will be communicated upon completion of the project. The land development work was started on 24/06/2019 by M/s. BHEL.
4-B-(xvii)	Full cooperation shall be extended to the Scientists / Officers from the Ministry / Regional Office of the Ministry / CPCB / SPCB who would be monitoring the compliance of environmental status.	Noted.
5.	The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.	The Ministry has extended the validity of Environmental Clearance up to 26/11/2022 vide its letter J-13012/75/2010-IA.II (T), dated 14/01/2020, as cited at ref. 3. Also as per MoEF& CC Notification No S.O. 221 (E) dtd 18.01.2021 cited under ref 4, the validity of Environmental Clearance is further extended by one year i.e. till 26/11/2023. Further, the EAC after detailed deliberation on the information submitted by MSPGCL for the EC validity extension at MoEF&CC organized 43 rd meeting of the Expert Appraisal Committee held on 19.06.23 at New Delhi, have recommended the proposal for extension of Environmental Clearance (EC) dtd. 27.11.2012, till 26.11.2024.
7.	Concealing factual data or submission of false / fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and	Noted.

	attract action under the provisions of Environment (Protection) Act, 1986.	
8.	In case of any deviation or alternation in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures required, if any.	Shall be observed and informed in case of any deviation.
*Additional conditions sought by ministry vide letter no. J-13012/75/2010-IA.II (T),dt. 14.01.20.		
i.	Progress (both physical and financial) of construction of power plant including provisions installation of FGD and SCR shall be submitted as a part of six-monthly compliance report.	Combined report submitted to CEA by CE (P) attached herewith.
ii.	Emission norms and specific water consumption as per the Ministry's norms dated 07.12.2015 and 28.06.2018 shall be complied with. As committed, Flue-Gas Desulphurization Unit and Selective Catalytic Reactor to control SO ₂ and NO _x respectively shall be installed.	Emission and specific water consumption norms shall be complied. Installation of Flue-Gas Desulphurization (FGD) Unit and Selective Catalytic Reactor (SCR) to control SO ₂ and NO _x is in progress.
iii.	Technology selection for adoption of FGD for control of SO _x . In case of wet FGD, source of limestone, impact of transportation, handling, storage and disposal of Gypsum including land requirement.	FGD Technology: Wet type Limestone FGD technology is selected for control of SO _x . Wet Limestone FGD is the most suitable technology for the units of capacity > 500 MW. Wet Limestone FGD can handle large flue gas volumes, and it can absorb variation in Sulphur fluctuations. The Sulphur removal efficiency of Wet Limestone FGD is high @ 99 %. The operating cost of Wet Limestone FGD is less in comparison with other FGD technologies.
iv.	Alternate technology analysis and justification of Technology Selection for NO _x reduction.	Two types of technologies are available for NO _x reduction. a) Selective Catalytic Reduction Technology (SCR): It is an advanced active emissions control technology system that injects Ammonia vapours into the flue gas stream where the NO _x is reduced to Nitrogen (N ₂) and Water (H ₂ O) abetted by passing over a metal catalyst

		<p>bed typically containing Titanium oxide, Vanadium oxides, Molybdenum or Tungsten.</p> <p>b) Selective Non-Catalytic Reduction Technology (SNCR): Nitrogenous reducing agent viz., Ammonia or Urea is injected into hot flue gas where it reacts with NOx in gas stream and reducing it to Nitrogen (N2) gas and Water (H2O) vapor.</p> <p>SCR technology is typically much more efficient at reducing NOx emissions up to 90%. SCR allows a reaction to take place at a lower temperature because the catalyst lowers the energy needed to begin the reaction (This is called the activation energy). Since SCR systems utilize metal catalysts, the reaction activation energy is much lower in SCR.</p>
v.	The stack emissions (minimum, maximum, average and 98% percentile) shall be submitted for the period of six months in the compliance report. Further, daily water withdrawal, consumption, power generation and average PLF shall be submitted. The specific water consumption per MWhr shall be calculated based on water consumption and power generation and to be submitted in the compliance report.	Monitoring regularly since commissioning of Unit-6 (1x660MW). The reports are attached herewith.
vi.	The commitment letter in the form of undertaking for shutting / closing the existing unit of 210 MW capacity which was commissioned in 1982 and more than 25 years shall be submitted with the date of closure.	Shall be submitted.
vii.	Further, Specific Condition No. (i) of EC dated 27.11.2012 states that existing units (Unit-II & III: 2x210 MW) shall be retrofitted with ESPs to ensure that PM emissions will be below 50 mg/Nm ³ . Status of this conditions shall be submitted.	Same as per point A Specific Condition 4-A-(i).
<p>*Additional condition sought by ministry vide letter No. J-13012/75/2010-IA. II (T), dt. 11.09.2020.</p>		

i	As proposed, a stack of 275 m height with flue gas velocity not less than 18.30 m/s shall be installed along with Flue gas desulphurization system and provided with continuous online monitoring equipment for SOX, NOX, PM. Mercury emission from stack may also be monitored on periodic basis.	Stack of 275 m height with flue gas velocity 21 m/s provided. FGD Installation is in progress. Continuous online monitoring equipment for SOX, NOX, PM provided. Mercury emission from stack monitored on periodic basis.
ii	An interlocking arrangement shall be set up to shut down power plant when Flue-gas Desulphurization (FGD) is not functional.	Shall be complied.
iii.	The transportation of coal shall be done by rail subject to ministry notification dated 21.05.2020.	Shall be complied, work in progress.
iv.	The ash content in the coal shall be in accordance with ministry's notification dated 21.05.2020 and subsequent amendment.	Shall be complied.
v.	Water consumption in the FGD, in case of wet lime dosing and management of gypsum including its land requirement shall be provided.	Shall be complied.
*Additional conditions sought by ministry vide letter no. J-13012/75/2010-IA.II (T), dt. 14.12.2023		
	Action plan for green plantation shall be prepared. A dedicated team under supervision of project head shall work for developing green belt as per CPCB guidelines or as recommended in the EC letter. Green plantation shall be carried out before the month of October 2023 around the plant boundary. Action plan and its implementation shall be certified by IRO, Nagpur in the month of October.	Green belt plantation work is carried out by M/s. BHEL as per EC recommendations. 48,000 trees out of 1,73,000 trees are planted till date. Remaining plantation work is under progress.

Month	Unit	Stack Emission						Avg.PLF (%)	Power Generation (MUs)	Water Consumption (M3)	Sp. Water Consumption (M3/KWh)
		SPM (mg/Nm3)			SO2 (mg/Nm3)	NO2 (mg/Nm3)	Max				
		Avg	Min	Max							
Jul-25	U-6	22	22	22	996	224	62.27	305.795	1152653	3.77	
Aug-25	U-6	22	20	24	1061	275	76.39	375.102	1443521	3.85	
Sep-25	U-6	24	23	24	1162	226	47.78	227.060	973808	4.29	
Oct-25	U-6	23	21	24	1157	226	68.67	337.217	1279204	3.79	
Nov-25	U-6	23	22	24	1146	222	77.25	327.557	1312425	4.01	
Dec-25	U-6	21	20	22	1152	228	70.31	379.317	1195389	3.15	


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Manual Ambient Air Quality Monitoring Report Period Jul-2025 to Dec-2025

Month	Location	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	Pb (µg/m3)	NH3 (µg/m3)	CO (µg/m3)	O3 (µg/m3)	Benzo Pyrene	C6H6 (Benzene)	Ni (ng/m3)	As (ng/m3)
Jul-25	ETP (500MW)	21.63	64.5	14.54	20.05	BLQ	22.17	0.96	23.34	BLQ	1.06	3.32	0.96
	Fire fighting House (500MW)	23.50	66.75	17.69	22.14	BLQ	22.50	1.20	24.63	BLQ	1.07	3.48	1.02
	New Guest House	18.88	49.50	11.46	15.44	BLQ	22.48	0.69	21.57	BLQ	1.08	3.30	0.67
	Pimprisekam Railway Gate	24.00	67.63	15.64	21.21	BLQ	24.32	1.02	22.22	BLQ	1.10	3.66	0.69
Aug-25	ETP (500MW)	21.75	62.75	17.01	23.09	BLQ	21.50	0.93	22.58	BLQ	1.12	3.47	0.94
	Fire fighting House (500MW)	23.75	64.38	20.31	26.41	BLQ	23.46	1.13	23.92	BLQ	1.10	4.03	1.01
	New Guest House	19.88	54.50	13.55	19.59	BLQ	21.26	0.74	22.80	BLQ	1.03	3.40	0.84
	Pimprisekam Railway Gate	26.00	70.25	19.63	24.83	BLQ	23.94	1.17	24.73	BLQ	1.21	4.17	1.08
Sep-25	ETP (500MW)	20.38	61.38	18.50	23.90	BLQ	23.77	0.90	23.36	BLQ	1.09	3.56	0.90
	Fire fighting House (500MW)	23.63	67.75	20.98	25.45	BLQ	24.72	1.11	23.89	BLQ	1.07	4.56	1.10
	New Guest House	18.88	52.75	16.33	21.34	BLQ	22.98	0.74	24.40	BLQ	1.10	4.26	1.01
	Pimprisekam Railway Gate	23.75	68.75	20.29	25.11	BLQ	24.41	1.15	24.04	BLQ	1.15	4.42	1.01
Oct-25	ETP (500MW)	20.88	62.25	18.25	22.83	BLQ	25.50	1.02	23.93	BLQ	1.05	3.60	0.90
	Fire fighting House (500MW)	23.25	67.50	20.29	24.85	BLQ	27.48	1.14	23.93	BLQ	1.05	4.33	1.05
	New Guest House	20.38	54.25	15.78	20.21	BLQ	25.63	0.88	24.19	BLQ	1.02	3.47	0.95
	Pimprisekam Railway Gate	25.13	68.50	20.14	23.90	BLQ	28.39	1.23	25.25	BLQ	1.10	4.78	1.07
Nov-25	ETP (500MW)	22.25	57.88	16.73	21.31	BLQ	26.38	1.04	23.49	BLQ	1.03	3.65	1.07
	Fire fighting House (500MW)	25.00	65.50	19.74	25.14	BLQ	26.59	1.13	23.35	BLQ	1.05	4.58	1.07
	New Guest House	20.00	52.75	14.04	19.36	BLQ	23.90	0.95	23.70	BLQ	1.03	3.59	1.06
	Pimprisekam Railway Gate	24.88	67.63	19.60	25.04	BLQ	27.48	1.19	24.14	BLQ	1.13	4.84	1.17
Dec-25	ETP (500MW)	22.72	62.03	18.07	22.83	BLQ	26.42	1.07	24.00	BLQ	1.06	4.11	1.04
	Fire fighting House (500MW)	22.95	62.00	18.05	22.83	BLQ	26.53	1.08	24.00	BLQ	1.06	4.17	1.06
	New Guest House	22.91	61.32	17.77	22.58	BLQ	26.41	1.07	24.01	BLQ	1.06	4.15	1.06
	Pimprisekam Railway Gate	23.23	62.20	18.01	22.87	BLQ	26.51	1.10	23.99	BLQ	1.06	4.23	1.08

1 X 660MW

MONTH	* COAL CONS.(MT) (Net)	ASH %	TOTAL ASH GEN.(MT)	Total Bottom Ash Generated (MT)	Total Fly Ash Generated (MT)	Dry Fly Ash Utilization (MT)		CATEGORYWISE ASH UTILISATION (MT)										Total Wet Ash Utili (MT)	Total Ash Utili (MT)	Dry Fly Ash Utili (%)	Total ASH UT (%)
						Fly Ash Qty Lifted By 80% offtakers (Cement Companies and Others)	Fly Ash Qty Lifted By 20% offtakers (SSI)	AGRI / FERTILIZE R (MT)	BRICKS / BLOCKS (MT)	Building/ CEMENT (MT)	ROAD / CONST. / EMBANKM ENT (MT)	Ash Dyke Raising/e mbanknt	LAND FILL / MINE FILL (MT)	ASBESTO S(MT)							
						Total DFA Utilization	Total DFA Utilization														
Jul-25	238218.00	38.04	90618.13	27185.44	63432.69	60173.66	0.00	60173.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60173.66	94.86	66.40		
Aug-25	303833.00	38.17	115973.00	34791.90	81181.10	50093.32	0.00	50093.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50093.32	61.71	43.19		
Sep-25	197789.00	37.09	73360.00	22008.00	51352.00	42003.00	0.00	42003.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42003.00	81.79	57.26		
Oct-25	266401.00	39.55	105361.60	31608.48	73753.12	75693.10	0.00	75693.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75693.10	102.63	71.84		
Nov-25	242392.00	38.86	94193.53	28258.06	65935.47	65389.63	0.00	65389.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66981.18	99.17	71.11		
Dec-25	278835.00	39.40	109860.99	32958.30	76902.69	65220.27	0.00	65220.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65220.27	84.81	59.37		
TOTAL	1527468.00		589367.24	176810.17	412557.07	358572.98	0.00	358572.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	360164.53	87.49	61.53		

Remarks :- Pond Ash Lifted from Ash Bund is used for Agri./Fertilizers,Bricks/Blocks,Road Const/ Embankment, Land Fill/ Mine Fill & Asbestos



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**PHYSICAL PROGRESS REPORT - PROFORMA
FOR UNDER CONSTRUCTION UNITS SECTOR: STATE**

NAME OF THE THERMAL POWER PROJECT WITH NO OF UNITS & RESPECTIVE CAPACITY:1x660 MW Bhusawal Thermal Power Project, Unit no 06.									
DEVELOPER NAME/ IMPEMETING AGENCY: Maharashtra State Power Generation Company Ltd, Mumbai.									
COMPLETE ADDRESS OF TPP: At Village Pimpari Sekam, Tal Bhusawal, Dist Jalgaon, Maharashtra, 425307.									
CONTACT DETAILS OF NODAL OFFICER, NAME, EMAIL, MOBILE NO: Mr. S.M. Dhamange, Suptd. Engineer (P&P), email: cgmngpp@mahagenco.in, 8828502488.							E-GEN PORTAL REGISTRATION STATUS- YES/NO, If Yes Registration No (Unit wise):-Yes Reg no. 1200002450		
Commercial Operation Date (COD) of the Unit has been declared on 22/02/2025.									
MAIN PLANT PACKAGE (BTG VENDOR/EPC CONTRACTOR): MAIN VENDOR (ORDER DATE)									
Main EPC Contractor (BTG+BOP) for 1x660MW Bhusawal Project is M/s BHEL, LOA dated 17/01/2018.									
Sl.	Packages		Vendor/Contracting Agency	No of UNIT	Date of Award/ Start date	Present Status	% Completion	Original (Scheduled) Date of Completion	Actual/* Anticipated Date of Completion
1	BOILER	CIVIL WORKS	BHEL/ Powermech	1x660MW	30/05/2019	Completed	99%	25/11/2019	Act: 15/11/2019
		STRUCTURAL WORKS	BHEL/Indwell		25/10/2019	Work in progress: 16911/17111MT		26/01/2022	Ant: Dec-2025
		PRESSURE PARTS COMPLETION	BHEL/Indwell		25/10/2019	Completed		22/05/2021	Act: Oct-2024
BOILER BALANCE WORKS:									
<ul style="list-style-type: none"> Balance insulation work- Boiler insulation work in progress at 10.5 mtr. rear side Z panel. Balance structural erection/platforms work is in progress. MS/HRV ERV setting work completed. WWSB 98/98 trial taken found ok & trial completed. LRSB 44/44 trial taken & LRSB commissioning completed. SCAPH balance erection & commissioning in progress. ID Fan -A&B one Lop each shifting to station PMCC work completed. Furnace guide second pass welding yet to be completed. PG test balance. 									
2	TG	CIVIL WORKS	BHEL / Powermech	1x660MW	30/05/2019	Completed	100%	13/03/2022	Act: 11/01/2021
		STRUCTURAL WORKS	BHEL / Powermech		30/05/2019	Completed		13/03/2022	Act: Jan-2025
		PRESSURE PARTS COMPLETION (Boiler feed line piping)	BHEL/Indwell		25/10/2019	TOTAL 570/570 Joints		02/01/2022	Act: August- 2023

TG and Fire fighting Balance Works:

- All coal conveyer spray network & riser supports balance.
- Coal Conv 9 spray network erection is balance.
- Switch yard area west & south area hydrant line erection is balance.
- FF Booster pump & foam pump auto pickup trial is balance C&I side.
- Hose reel box erection is balance at all locations.
- FGD area Hydrant system erection work is balance.
- FGD area spray network system erection work is balance.
- Hydrant & spray line alignment not as per standard erection procedure.
- All lines painting & nomenclature is balance.
- Fire trenches water drainage is not provided.
- Powerhouse C-row column 14 staircase hydrant riser erection is balance.
- CHP & SAT transformer spray line erection is balance.
- Portable fire extinguishers placement is in progress.

3.5mtr –

- Operator cabin work completed.
- Closing of IPBD & SPBD by brick work pending.

8.5mtr –

- A-B Bay 12-14 grid slab completed.
- Illumination work is in progress.

12mtr –

- Earthing flat laid on finish floor, modification work pending.
- Finish flooring work below DTT is balance.

17mtr–

- A- Row side ventilation duct erection work is in progress.

C&I (BTG & BOP)

- FGD cabling works in progress.
- C&I BTG area pending/punch points attending is in progress.
- FDA fire detection & protection commissioned is in progress.
- CPU analyser commissioning in progress.
- ETP, STP & PT DCS commissioning works in progress.
- Plant CCTV commissioning work is in progress.
- CHP, DE & PLC commissioning work is in progress.
- Cable dressing work in progress, progressively completed.
- DCS CCR balanced work completion is in progress.
- Logic checking of unit run back and live trial completed as per clearance.
- HVAC system commissioning at service building CCR is in progress.

3	ESP	**PASS STATUS	BHEL/Indwell	1x660MW	25/10/2019	10034/10034 MT	100%	25/03/2022	Act: 14/03/2025
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****BRIEF WRITEUP ABOUT CURRENT STATUS OF ESP WORKS:**

- Illumination work is in progress.
- ESP-pass – B hopper heater JB erection in progress.
- ESP 10m level side wall insulation work in progress.

3A	FGD Plant (M/s Indwell)	CIVIL WORK	BHEL / Powermech/BJCL	1x660MW	30/05/2019 24/08/2019	8681/8931 M3	79%	10/06/2021	Ant: Nov-2025
		MATERIAL SUPPLY	BHEL		31/12/2018	3520/4800 MT		24/03/2021	Ant: Dec-2025
		ERECTION WORK	BHEL/Indwell		25/10/2019	1796/3291 MT		15/04/2022	Ant: Dec-2025

BRIEF WRITEUP ABOUT CURRENT STATUS OF FGD WORK:

1) Limestone Hopper, Silo& wet ball mill:

- RCC: 2305 cum out of 2500 cum completed.
- Mill foundation casting completed.
- Limestone silo shell casting completed structural erection progress.
- Limestone Hopper & grade slab floor completed.
- Wet ball mill roof slab completed.
- Day Silo – Erection completed.
- FGD wet ball mill limestone silo erection & preassembly work in progress.

2) Limestone Crusher House:

- Concreting: 221cum out of 400 cum completed.
- All pedestal completed. Structural erection in progress.

3) FGD

- Absorber shell plate erection work completed, welding work in progress.
- FGD inlet duct preassembly & erection work in progress.
- Absorber structure tie beam & column erection work is in progress.
- FGD miscellaneous tanks erection & welding work completed.
- RC pump structure erection & welding work completed.
- Elevator structural erection work in progress.
- Absorber base plate vacuum test in progress.
- Wet ball mill A&B lub oil lines flashing work in progress.
- Gypsum handling plant water rig vacuum pump erection & placement work in progress.
- Gypsum belt filter 'A' & 'B' roller erection in progress.
- Gypsum vacuum receiver tank erection work completed.
- Gypsum belt filter piping work in progress.
- FGD- 3520 MT erection completed.
- 11/3.3KV transformer 0CET1 & 0CET2 placed on foundation.
- 11KV FGD switch Board 0BH charged on 30.10.2025.
- 11KV SWBD & 3.3KV erection in progress.
- 11KV SPBD erection in progress.
- HT Numerical relay testing work in progress and 3 nos. pending.
- Oil filled X'mer SPBD bus joints tightness checked. 11KV FGD SWBD Ct's testing is in progress.
- Lighting work is in progress.
- FGD filtrate water tank Glass flakes lining work completed.
- Tanks erected – All tanks except LSST completed.
- FGD waste water tank glass flakes lining work completed.
- FGD outlet duct preassembly work and erection work in progress.

- Wet ball mill A & B motor sole plate blue making completed.
- Auxiliary absorber tank glass flakes lining work completed.
- Internal panel control cable laying in progress.
- Wet ball mill lub oil skid erection work completed.

4) FGD CR Building:

- RCC: 2700 cum out of 2800 cum completed.
- Roof slab work is completed.
- Grade slab completed.
- Brickwork plastering in progress.
- FGD Oil filled transformer (02 Nos) kept on foundation.
- MLDB (02 nos.) erected and testing work completed.
- Finishing work in progress.

5) Gypsum Dewatering Building:

- Civil Work is in progress.
- Structural fabrication and erection completed.
- All floor slabs & grade slab completed.
- Equipment erection done, Piping under progress.
- Cladding work in progress.

6) FGD RC Pump House & Blower room:

- Civil work completed.
- Erection of RC Pumps 4 Nos. and Oxidation blower 2 Nos completed.
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FGD Erection: 1796 MT out of 3291 MT completed.

STATUS OF BOPs							
Sl.	Packages/ Linked Project Milestones	Vendor/Contracting Agency	Date of Award/Start date	Present Status	% Completion	Original (Scheduled) Date of Completion	Actual/*Anticipated Date of Completion
1	Chimney	BHEL / Powermech/Shreevijaya	30/05/2019	Completed	100%	28/02/2022	Act: April –2024
2	Coal Handling Plant	BHEL / PMPL/BJCL / Place Maker (Conveyor Package-Civil & Structure)	30/05/2019 24/08/2019 23/12/2021	Work in Progress	98%	30/04/2022	Ant: Nov-2025
		BHEL / MacawberBeekay Pvt Ltd. (Conveyor Package-Mechanical)	27/05/2019	Work in Progress	95%	30/04/2022	Ant: Dec-2025
		BHEL / BJCL/ Place Maker (Wagon Tripler-Civil & Structure)	24/08/2019 23/12/2021	Work in Progress	99%	30/04/2022	Ant: Nov-2025
		BHEL / Promac (Wagon Tripler-mechanical)	28/05/2019	Completed	100%	30/04/2022	Act: July 2025
		BHEL / BJCL/ (Stacker Reclaimer-Civil)	24/08/2019	Completed	100%	30/04/2022	Act: July-2024
		BHEL / Promac (Stacker Reclaimer)	28/05/2019	Completed			
3	Ash Handling Plant	BHEL / BJCL/ Place Maker (Civil)	24/08/2019 23/12/2021	Work in Progress	99%	31/03/2022	Ant: Dec-2025
		BHEL / MacawberBeekay Pvt Ltd. (Mechanical)	27/05/2019	Work in Progress			
4	Fuel Oil System	BHEL / PMPL (Civil)	30/05/2019	Completed	100%	21/11/2021	Act: 20 Nov-2024
		BHEL / New Fire Engineers Pvt Ltd.	19/09/2019			21/11/2021	
5	Cooling Towers	BHEL/Hayagrev civil engineering Pvt Ltd/ PCTL	01/11/2019 05/03/2022	Completed	100%	31/03/2022	Act: May 2024
6	CW Pump house	BHEL/Alpha Power Engineering Services Pvt Ltd	29/01/2021	Completed	100%	28/02/2022	Act:08 January 2024
7	CW Piping	BHEL/G&J Pvt Ltd.	03/08/2020	Completed		18/02/2022	
8	PT Plant	BHEL/Clear Water company	17/02/2020	Work in Progress	99%	12/12/2021	Ant: Nov-2025
9	DM Plant	BHEL/Wipro Enterprises Pvt Ltd	14/01/2020	Completed	100%	30/11/2021	Act: September-2023
10	Air Compressor	BHEL/Elgi Equipment Ltd.	24/08/2020	Completed	100%	04/11/2021	Act.: March- 2023
11	Fire Protection pump house	BHEL / Alpha power engineering services Pvt Ltd	29/01/2021	Completed	100%	20/05/2021	Act:-06 January2024

12	Fire Protection piping	BHEL/ G&J Pvt Ltd.	03/08/2020	Work in Progress	90%	28/08/2021	Ant: Dec-2025
13	Switch Yard	MSETCL/BNC Power Projects Ltd	15/02/2021	Completed	100%	28/02/2022	Act: 25/01/2023
14	Unit Transformers	BHEL	17/01/2018	Completed	100%	20/01/2022	Act: 02/01/2025
15	Railway siding with ROB	BHEL/ISC Projects	02/01/2021	Work in Progress	90%	31/03/2022	Ant: April-2026
16	Power Evacuation	MSETCL/BNC Power Projects Ltd	15/02/2021	Completed	100%	28/02/2022	Act: 07/11/2023

BRIEF WRITEUP ABOUT CURRENT STATUS OF BOPs WORK:

1) Chimney

- Staircase completed.
- Boro silicate lining application completed on 28.10.2023.
- Aviation lighting completed.
- Chimney illumination balance.

2) CHP:

(a) Conveyor package

TPs & Trestles:

- TP's all floor and roof curb wall erection balance.
- TP3 no approach for Man, Material lifting & Shifting material.
- Structural welding balance at TPs.
- Handrail welding, seal plate erection work at 3AB completed.
- Safety door at Hoist location balance.
- RCC- 2934 cum out of 3000 cum completed.
- Debris chute erection completed.
- TR-9 to TP-4 Modified cable tray above canopy work in progress.
- Cladding sheet and window erection work in progress.
- Coal settling pond work decanded pump erection work completed.
- Sump pump supply completed.
- CSU trial completed.
- Ventilation system at all MCCs from auto mode done.
- ZLD system, Sump pump at all TPs, hoist, hook for lifting pulleys, hoist rainwater pipe balance.
- **Conveyer 9** Ventilation system including fan & ducting work to be completed.
- ERH shed grouting work balance.

(b) Crusher House (Total Height -53mtr):

- **On date 13.01.2025 load trial of crusher taken successfully.**
- Crusher DE system erection completed.
- Crusher house lift work completed and handover to the O&M.
- Structural punch point attending work in progress.

(c) Wagon Tippler

- WT continues operation RDSO commissioning certificate issued by Railway Authority on dt.27.10.2025.
- Fire Fighting commissioning work balance.
- Dust Suppression system erection completed and pre-wetting work balance.

- Ventilation & exhaust system balance at WT area 1& 2 commissioning completed.
- Foot Over Bridge (FOB) work balance in Wagon Tippler Area.
- Touch up painting of wagon tippler, hydraulic pipeline balance.
- 06 out of 10 WT grating replacement work done.

(d) Stacker Reclaimer & Coal Stockpile:

- Touch up painting of Machine, Oil line, Grease line painting and handrail as per painting schedule balance.
- Anchor storm & boom resting foundation erection done, arrangement work fouling with construction supply D.P., erection completed.
- Sprinkler system at Coal yard balance from auto.

(e) CHP PG test:

- ERH conveyor PG test completed.

3) AHP:

(a) Ash slurry pump house:

- All work completed.
- Office room Civil Work at completion stage.
- PG test done.

(b) AHP MCC & Compressor:

- All work completed.
- PG test done.

(c) Bottom Ash Hopper:

- All work completed.
- PG test done.

(d) HCSD Silo:

- Silo Civil work completed.
- Road and drain work completed.
- PG test done.

(e) HCSD Building:

- Civil work is completed.
- Mechanical erection in progress.
- Weigh bridge erection work is completed commissioning balance.

(f) Ash Disposal Pipeline:

- ADPL- Garland work completed.
- Thrust block work in progress.

(g) Fly Ash Silo:

- All work completed.
- PG test done.

(h) Tube Settler –

- Civil work of hopper and launder beam completed and remaining in progress.
- Tube settler Mechanical work is in progress.

4) Fuel Oil Handling System

(a) FOPPH:

- Civil work completed.
- Cable dressing, routing pending.
- Operator cabin work in progress.
- Drain sump water seepage need to be received.

- PG test balance.
- (b) FOTPH:**
 - Civil work completed.
 - Cable tray erection balance, cable dressing routing balance.
 - Illumination work is in progress.
 - Drain oil tank sump (Underground) heavy seepage leakage sump always filled with water both dewatering pumps are in water.
 - PG test done.

(c) HFO/LDO Tanks:

- All work are completed.

5) Cooling Towers (NDCT)

- Full NDCT charged.
- Supply & installation of second fine screen with guided as per Bid specification in NDCT is balance.

6) CW Pump house

- Civil work is completed.
- Illumination work is in progress.

(a) CW channel (NDCT to feed pool):

- Handed over for water filling.

(b) CW electrical Annex. Building:

- Civil finishing work in progress.

7) CW Pipeline (CW Liner)

- Excavation: 15315cum out of 16000 cum completed.
- PCC: 99 cum out of 103 cum completed.
- RCC: 2816 cum out of 3070 cum completed.

(a) ACW Pipeline:

- ACW system commissioned.

8) PT Plant

- Civil work completed.
- External drain work is in progress.
- Air valve/ BW line BEV –fitting completed.
- Gravity filter external painting in progress.
- Proper dressing of cabling pending.
- Below ground earthing electrode & riser not properly erected.
- Cable laying work is in completed.
- Power cable laying and termination work for actuator is completed.
- Water leakage at water I/L channel filter house & various location attended.
- DM/NDM GSF valves work completed.
- NDM GSF -9 no. Auto operation work completed.
- PG test completed.

(a) Chemical House:

- Lime dosing pumps trial completed.
- PE & Alum dosing pumps discharged piping suspected choke up attended work in progress.

9) DM Plant

(a) DM Plant Building, DM & CS Tank:

- Civil work completed.
- All Erection & commissioning DM plant completed.
- Repairing/replacement of Faulty N-pit transfer pump-B & both acids unloading pumps of DM plant work is in progress.
- DMP PG test is balance, scheduled in Nov-2025.

(b) CST/DM Transfer PH

- Boiler fill pump-A bearing replacement work completed.

10) Air compressor building:

- Compressor internal piping work completed. Main compressor building under TG completed.
- Duct erection is in progress.
- MAR erection is in progress.
- Supply air fan & accessories erection work is in-progress.
- HT switchgear room finish flooring completed.

11) Fire Water Pump House:

- Cable dressing work balance.

12) Fire water pipeline:

- Excavation: 600cum out of 700 cum completed.
- PCC-30 cum out of 50 cum completed.
- RCC-270 cum out of 365 cum completed.
- TG building firefighting risers only C-14 erection work is balance & in progress.

14) Transformer Yard:

- Spare GT commissioning work is in progress.
- Fixing of chain link fencing under progress.
- Cabin link fencing in progress.
- X'mer yard area partial lighting completed.
- Streetlight work is in completed.
- Online OGA for all GT's commissioning work completed.

15) Railway Siding:

- Line no.1- Connection at level crossing balance.
- Line no.2 to Line no.6 completed.
- Take off point insertion balance.

(a) Minor Bridges & Buildings:

- Concreting completed.
- Building finishing work is in progress.

(b) ROB:

- Excavation: Approaches excavation is in progress.
- Crash barrier work not started yet.
- Concreting: 1360cum out of 1665 cum completed.
- RE Panel casting completed.

(c) OHE:

- RE panel erection completed at Bhusawal end.
- Retaining wall at pimprisekam approach is in progress.
- RE panel work in pimprisekam approach not yet started.

- Mast foundation completed.
- Mast Erection completed.
- Bracket erection completed
- Civil work is completed.

Ozonation Plant:

- All work completed.
- PG test completed.

STP:

- All work completed.
- PG test balance, schedule in Nov-2025.

ETP:

- All work completed.
- PG test balance.

UNDER-CONSTRUCTION UNITS WISE MILESTONE DATES (ACTUAL / ANTICIPATED)

SR. No.	MILESTONE	1x660MW		Remarks for Delay (If any)
		Original (Scheduled) Date of Completion	Actual/* Anticipated Date of Completion	
1	COMPLETION OF BOILER FOUNDATION	25/11/2019	Act: 15/11/2019	
2	START OF BOILER ERECTION	30/11/2019	Act: 22/11/2019	
3	BOILER DRUM LIFTING	NA	NA	Supercritical Technology
4	BOILER CEILING GIRDER LIFTING COMPLETION	30/06/2020	Act: 20/01/2021	
5	BOILER HYDRO TEST (DRAINABLE) COMPLETION	31/05/2021	Act: 04/11/2022	
6	BOILER HYDRO TEST (NON-DRAINABLE) COMPLETION	10/11/2021	Act: 28/03/2023	
7	BOILER LIGHT UP	30/11/2021	Act: 30/03/2023	
8	CHEMICAL CLEANING COMPLETION	20/12/2021	Act: 30/06/2023	
9	STEAM BLOWING START	24/01/2022	Act: 13/09/2023	
10	STEAM BLOWING COMPLETION	19/02/2022	Act: 13/10/2023	
11	HP PIPING ERECTION START	11/05/2021	Act: 22/03/2021	
12	HP PIPING ERECTION COMPLETION	25/04/2022	Act:30.09.2024	
13	CONDENSER ERECTION START	31/10/2020	Act: 30/03/2022	
14	TG ERECTION START	30/11/2020	Act: 03/03/2022	
15	TG BOX UP	30/11/2021	Act: 10/04/2023	
16	START OF OIL FLUSHING	04/12/2021	Act: 20/08/2023	
17	ROLLING & SYNC.	31/03/2022	Act: 17/01/2024	
18	FULL LOAD	30/04/2022	Act: 20/02/2025	
19	TRIAL RUN	31/05/2022	Act: 05/03/2025	
20	COD	30/06/2022	Act: 22/02/2025	
21	PG TEST START AND COMPLETION	30/06/2022	Ant: Dec -25	

Other Details

TOTAL EXPENDITURE UPTO Oct-2025 from inception: Rs. 5,573.49 Cr.

EXPENDITURE OF CURRENT MONTH (FOR WHICH PROGRESS DATA IS BEING PROVIDED): Rs. 12.68 Cr.

TOTAL EXPENDITURE TILL DATE (From Inception): Rs. 5,573.49 Cr.

Note: Projects to ensure that financial data needs to be in line with other portals such as NIP portal.

LAND POSSESSION DETAILS: (Details about land area still to be acquired): - Nil (Required land area fully occupied)

REASONS OF DELAY (BTG&BOP, mention separately): 1) Due to Covid-19 pandemic, 2) Inability of subcontractors to continue the works due to steel & other consumables rate rise heavily 3) Unresolved issue of demand of price variation to civil & mechanical subcontractors by M/s. BHEL thereby frequent stoppage of works by them. 4) Inadequate deployment of manpower by M/s BHEL & sub-contractors.5) Deformation observed in spiral water wall. 6) FGD & SCR package balance work (Trial Run completed without FGD and SCR).

CRITICAL AREA/ ASSSISTANCE REQUIRED:

Change (if Any) regarding Clearances, PPA, Fuel Supply or any other matter provided in static data (provided already) or otherwise needs to be intimated immediately in this column here.

NOTE:- The Total expenditure given is excluding contractual retentions to M/s. BHEL.

Annexure

Table-I

CSR Works Under 1X 660 MW Project at Bhusawal

CSR Works In Phase- I

Sr. No.	F.Y.	Name of Work and Village	PO No.	PO Date and Amount In Lakhs Including GST	Hand Over date to Name of Grampanchayat
1	2022-23	Work for Concrete approach/internal roads & road side drain under CSR at Duskheda Tal.Raver at BTPS, Deepnagar.	BTPS/4500120369/1 514 Dt.27/07/2022	27.07.2022 / 21.02	Work completion Dtd. 05/09/2022 & Handed Over To Grampanchayat
2		Work for Concrete approach/internal roads & road side drain under CSR at Fekari Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500120367/1 571 Dt.04/08/2022	04.08.2022 / 22.52	Work completion Dtd. 30/11/2022 & Handed Over To Grampanchayat
3		Work for Concrete approach/internal roads & road side drain under CSR at Gahukheda, Tal. Raver at BTPS, Deepnagar.	BTPS/4500124703, Dtd.28.03.2023.	29.03.2022 / 18.21	Work completion Dtd. 26/05/2023 & Handed Over To Grampanchayat
4		Work for Concrete approach/internal roads & road side drain under CSR at Jaadgaon Tal. Bhusawal.	BTPS/4500120238/1 474 Dt.22/07/2022	22.07.2022 / 21.69	Work completion Dtd. 24/01/2022 & Handed Over To Grampanchayat
5		Work for Concrete approach/internal roads & road side drain under CSR at Kaapil Nagar Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500120340/1 493 Dt.26/07/2022	26.07.2022 / 24.20	Work completion Dtd. 15/09/2022 & Handed Over To Grampanchayat
6		Work for Concrete approach/internal roads & road side drain Under CSR at Kaswa Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500121331/1 866 Dt.20/09/2022	20.09.2022 / 23.53	Work completion Dtd. 04/02/2023 & Handed Over To Grampanchayat
7		Work for Concrete approach/internal roads & road side drain under CSR at Kathora BK., Tal. Bhusawal.	BTPS/4500119917/1 462 Dt.21/07/2022	21.07.2022 / 19.72	Work completion Dtd. 01/03/2023 & Handed Over To Grampanchayat
8		Work for Concrete approach/internal roads & road side drain under CSR at Kathora Kh., Tal. Bhusawal at BTPS, Deepnagar	BTPS/4500119918/1 461 Dt.21/07/2022	21.07.2022 / 23.76	Work completion Dtd. 12/02/2023 & Handed Over To Grampanchayat
9		Work for Concrete approach/internal roads & road side drain Under CSR at Manyarkhede Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500120237 Dt 22/07/2022 1598 Dt.26/07/2022	26.07.2022 / 22.00	Work completion Dtd. 24/12/2022 & Handed Over To Grampanchayat
10		Work for Concrete approach/internal roads & road side drain under CSR at Nimbhora Bk. Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500121324 Dt 1861 Dt.19/09/2022	19.09.2022 / 25.14	Work completion Dtd. 10/01/2023 & Handed Over To Grampanchayat
11		Work for Concrete approach/internal roads & road side drain under CSR at Phulgaon Tal.Bhusawal at BTPS,Deepnagar.	BTPS/4500120338/1 494 Dt.26/07/2022	26.07.2022 / 21.45	Work completion Dtd. 26/02/2023 & Handed Over To Grampanchayat
12		Work for Concrete approach/internal roads & road side drain under CSR at Raipur Tal.Raver at BTPS,Deepnagar.	BTPS/4500120302/1 576 Dt.05/08/2022	05.08.2022 / 26.26	Work completion Dtd. 27/02/2023 & Handed Over To Grampanchayat
13		Work for Concrete approach/internal roads & road side drain under CSR at Rangaon., Tal., Raver.	BTPS/4500120300/1 596 Dt.10/08/2022	10.08.2022 / 18.58	Work completion Dtd. 10/01/2023 & Handed Over To Grampanchayat
14		Work for Concrete approach/internal roads & road side drain under CSR at Sakari.	BTPS/4500120305/1 483 Dt.25/07/2022	22.11.2022 / 21.38	Work completion Dtd. 05/09/2022 & Handed Over To Grampanchayat
15		Work for Concrete approach/internal roads & road side drain under CSR at Sudgaon, Tal. Raver.	BTPS/4500120368/1 513 Dt.27/07/2022	27.07.2022 / 22.02	Work completion Dtd. 17/02/2023 & Handed Over To Grampanchayat
16		Work for Concrete approach/internal roads & road side drain under CSR at Velhala Tal. Bhusawal.	BTPS/4500120239/1 475 Dt.22/07/2023	22.07.2022 / 21.91	Work completion Dtd. 10/08/2022 & Handed Over To Grampanchayat
17		Work for Concrete approach/internal roads & road side drain under CSR at Pimprisekam.	BTPS/4500120303/1 482 Dt.25/07/2022	25.07.2022 / 11.67	Work completion Dtd. 21/03/2023 & Handed Over To Grampanchayat
		Total Rs.		365.06	
		Rs. Say		3.65 Crs.	

Table- III**CSR Works Under 1X 660 MW Project at Bhusawal****CSR Works Proposed in Phase-III**

Sr. No.	Name of Village	Name of Work and Village	P.O. Amount In Crs.	PO. Details	Remark
1	Fulgaon	1x660 MW Repl. Unit- Work of alignment survey of rising main & consultancy servises for villages Fulgaon water supply scheme, Tal. Bhusawal Dist. Jalgaon	0.1003	BTPS/4500121442 Dtd. 27/09/2022	Work Completed
2	Pimprisekam & Fulgaon	Phase-III - Work of providing drinking water facility through pipeline from WTP of 210 MW to ESR at Fulgaon & Pimprisekam village under CSR scheme.	6.040	H.O. P.O. No. 4500131943, dtd. 15.03.2024	Agency M/s. Vilas Patil, Work in Progress. @ 7 Km work completed.
		Including GST in Rs.	6.1403		

Table- IV

CSR Works Under 1X 660 MW Project at Bhusawal

CSR Proposed Works In Phase-IV

Sr. No.	Name of Village	Name of Work and Village	Amount Proposed In Rs.	PO No.	PO Amount with GST	Status
1	Pimprisekam	Construction of new school building at Pimprisekam under CSR activity (Estimated Ammount Rs.8409291.00). Amt Without GST 6805825.00 Amt With GST 8030874.00	8409291.00	H.O. 4500137645 Dtd.15/10/2024.	8,030,873.50	Work in progress
2	Udali Bk.	Construction of community Hall at Udali Bk. under CSR (Estimated Ammount Rs.13581003)	11393098.00	4500136593 Dt. 29.08.2024	11,393,098.00	Work in progress
3	Anjansonde	Work for Concrete approach/internal roads under CSR at Anjansonde, Ta. Bhusawal.	1890749.40	4500144887 Dt. 03.07.2025	1,566,107.80	Work is Completed
4	Duskheda	Work for Concrete approach/internal roads under CSR at Duskheda Tal. Raver.	1803664.22	4500144249 Dt. 03.07.2025	1,451,949.88	Work is Completed
5	Fekari	Construction of concrete approach/ Internal road under CSR at Fekari Tal. Bhusawal.	1755982.78	4500144662 Dt. 01.07.2025	1,404,961.10	Work will be start soon
6	Gahukheda	Work for Concrete approach/internal roads under CSR at Gahukheda Tal. Raver.	1668707.62	4500142350 Dt. 30.06.2025	1,343,308.46	Work will be start soon, Tharav Awaited
7	Jadgaon	Work for Concrete road side drain under CSR at Jadgaon, Ta. Bhusawal.	1668507.02	4500142334, Dtd.16/06/2025	1,355,661.88	Work in Progress
8	Kandari	Work of paving blocks under CSR at Kandari,Tal. Bhusawal.	1774381.34	4500144993, Dtd.01/07/2025	1,505,563.18	Work in progress
9	Nimbhora Bk.	Construction of wall compound to Z.P. school & Grampanchyat office at Nimbhora Bk. Under CSR activity.	2959172.14	4500141475, Dtd.10/03/2025	2,568,562.64	Work is Completed
10	Pimprisekam	Construction of RCC drain at Pimprisekam Under CSR activity.	3174412.40	4500141229 Dtd. 08/04/2025	2,618,889.64	Work will be start soon
11	Kapilnagar	Construction of wall compound to Z.P. school at Kapilnagar Under CSR activity.	1940821.52	Po. No. 4500140845 Dt. 18/02/25 O.N. 298 Dt. 20.02.25	2,028,158.04	Work is Completed
15	Manyarkheda	1) Work for Concrete road side drain under CSR at Manyarkheda, Ta. Bhusawal.	1038631.28	4500142229, Dtd.13/06/2025	843,887.62	Work is Completed
		2) Work for Chain link fencing around Z. P. School building under CSR at Manyarkheda Tal. Bhusawal.	595155.42	4500141933, Dtd.28/03/2025	531,473.18	Work is Completed
17	Raipur	1) Providing chain link fencing around Z.P. School Building at Raipur under CSR Tal. Raver.	541040.62	4500142330, Dtd.19/05/2025	449,064.34	Work is Completed
		2) work for Concrete approach/internal roads & road side drain under CSR at Raipur, Tal. Raver.	967539.82	4500142341, Dtd.01/04/2025	786,126.62	Work is Completed
18	Rangaon	Work for Concrete approach/internal roads under CSR at Rangaon., Tal. Raver.	1643365.94	4500142085, Dtd.24/03/2025	1,403,434.18	Work is Completed
20	Sudgaon	Work for Concrete approach/internal roads under CSR at Sudgaon Tal. Raver.	1727725.32	4500144996 Dtd. 06/10/2025	1,390,818.80	Work will be start soon, Tharav Awaited
21	Taskheda	1) Work for Chain link fencing around Z. P. School building under CSR at Taskheda Tal. Raver.	196790.96	Po. No. 4500140936 Dt. 21/02/25 O.N. 304 Dt. 21.02.25	177,702.10	Work is Completed
		2) Work for Concrete approach/internal roads under CSR at Taskheda, Ta. Raver.	1405349.32	4500142397, Dtd.10/06/2025	1131306.12	Work is Completed
(PH-IV) Including GST in Rs.			46554386.12		₹41,980,947.08	

Table- V

CSR Works Under 1X 660 MW Project at Bhusawal

CSR Proposed Works In Phase-V

Sr. No.	Name of Village	Name of Work and Village	Amount Proposed In Rs.	PO No.	PO Amount With Tax	Remark
1	Fulgaon	Work of concrete road side drain under CSR at Fulgaon Tal. Bhusawal.	1768480.16	4500142226, Dtd.01/04/2025	1767596.34	Work will be start soon, Tharav Awaited
2	Kathora Bk.	Work for Concrete approach/ internal roads under CSR at Kathora Bk., Tal. Bhusawal.	1731502.50	4500141366, Dtd.24/03/2025	1809420.26	Work will be start soon
3	Sakari	Work of concrete road side drain under CSR at Sakari Tal. Bhusawal.	1889595.36	4500147900, Dtd.31/10/2025	1530572.10	Work will be start soon, Tharav Awaited
4	Velhalla	Work for Concrete approach/ internal roads and road side drain under CSR at Velhalla Tal. Bhusawal.	1966967.96	4500142338, Dtd.16/06/2025	1628648.98	Work will be start soon, Tharav Awaited
5	Hatnur	Work for Concrete approach/internal roads & road side drain under CSR at Hatnur, Ta. Bhusawal.	1887307.34	4500142400 Dtd. 13/06/2025	1538154.78	Work will be start soon, Tharav Awaited
6	Savtar	Work for Concrete approach/internal roads & road side drain under CSR at Savtar, Ta. Bhusawal.	1267655.12	4500142230, Dtd.01/04/2025	1064449.68	Work is Completed
7	Nimbhora Kh.	Work for Concrete approach/internal roads & road side drain under CSR at Nimbhora Kh., Ta. Bhusawal.	1267655.12	4500140854, Dtd.21/02/2025	1267655.12	Work is Completed
8	Sakari Shivar	Work for Concrete approach/internal roads & road side drain under CSR at Sakari Shivar Ta. Bhusawal.	8604029.00	4500142445, Dtd. 27/06/2025	6969262.9	Work is Completed
9	Kandari Shivar	Work for Concrete approach/internal roads & road side drain under CSR Kandari Shivar, Ta. Bhusawal.	8960320.56	4500142443, Dtd.17/10/2025	7302661.28	Work in Progress
10	Kathora Kh.	Work for Concrete approach/internal roads under CSR at Kathora Kh., Ta. Bhusawal.	1731502.50	4500141231, Dtd.05/03/2025	1809420.26	Work is Completed
11	Khadka	Work of construction of community hall at Gat No. 49/2+3/AOP and 136 at Khadka, Tal. Bhusawal under CSR Scheme, Deepnagar, Bhusawal.	5303000.00	4500147990, Dtd.31/10/2025	5741332.48	Design & Drawing is in Progress
12	Velhalla	Work of renovation and modification existing 1000 LPH community water purification plants (ATM) to village Velhala, Tal. Bhusawal under CSR activity.	354000.00	4500137623, Dt.14/10/2024	353673.14	Work is completed
Balance (PH-IV) Including GST in Rs.			36732015.62	Total	32782847.32	

Table- VI

CSR Works Under 1X 660 MW Project at Bhusawal

CSR Proposed Works

Sr. No.	Name of Village	Name of Work and Village	Amount Proposed In Rs.	Po No.	PO Amount With Tax	Remark
1	Velhalla	Providng consultancy services for ultra-filtration water treatment plant at Velhala village & feasibility analysia of execution of Pimprisekam pipeline up to village Kathora Bk. & Kathora Kh. Under CSR activity, at Deepnagar, Bhusawal.	354000.00	4500145709, Dtd. 01.08.2025	354000.00	Work in Progress
2	Nimbhora Kh.	Work for Suply murum of Z.P. School building Nimbhora Bk. under CSR , Tal. Bhusawal.	329884.34	4500144479, Dtd. 20.06.2025	329884.00	Work will be start soon
Balance (PH-IV) Including GST in Rs.			683884.34			



TEST REPORT

Sample ID : E/12/25/085	Report No. E/12/25/085	Report Date	13/12/2025
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Effluent
Sampling Location	Percolation Well of Old and New Velhara Ash Bund	Date -Sampling	06/12/2025
Sample Quantity / Packing	5 L x 1 no. plastic can 5 L x 2 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	06/12/2025
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44 & IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Temperature	28	°C	APHA,24th Ed.,2550.B.149: 2023
2	pH (at 25°C)	7.87	-	IS 3025 (Part II): 2017
3	Total Suspended Solids	14	mg/L	IS 3025 (Part I7) Amds.I: 2017
4	Total Dissolved Solids	334	mg/L	IS 3025 (Part I6) : 2023
5	Free Residual Chlorine (as Cl ₂)	0.12	mg/L	APHA,24th Ed.,4500- Cl.G.357 : 2023
6	Free Ammonia	0.12	mg/L	APHA,24th Ed.,4500- NH3.B6 C.424: 2023
7	Sulphate (as SO ₄)	25.3	mg/L	IS 3025 (Part 24)/Sec-I: 2022
8	Dissolved Oxygen	6.1	mg/L	IS 3025 (Part 38), Method No.4: 1989
9	Biochemical Oxygen Demand (3 days, 27°C)	22	mg/L	IS 3025 (Part 44): 1993
10	Chemical Oxygen Demand	80	mg/L	APHA,24th Ed.,5220.B.544: 2023
11	Fluoride (as F)	BLQ (LOQ:0.05)	mg/L	APHA,24th Ed.,4500- F, D.400: 2023
12	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	mg/L	APHA,24th Ed.,4500- S2.C6F.5126514: 2023
13	Total Kjeldahl Nitrogen (as N)	BLQ (LOQ:0.1)	mg/L	APHA,24th Ed.,4500- NH3, B6 C.424&425 or F.429 & 4500 N0rg.B.452: 2023
14	Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA,24th Ed.,4500- P.E.486 : 2023
15	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.,5520.B.572: 2023
16	Manganese (as Mn)	1.31	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
17	Iron (as Fe)	0.657	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
18	Arsenic (as As)	BLQ (LOQ:0.005)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
19	Lead (as Pb)	0.013	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
20	Mercury (as Hg)	BLQ (LOQ:0.0008)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007





Sample ID : E/12/25/085

Report No. E/12/25/085

Report Date

13/12/2025

Sr.No.	Parameter	Result	Unit	Method
21	Total Chromium (as Cr)	BLQ (LOQ:0.02)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
22	Copper (as Cu)	BLQ (LOQ:0.02)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
23	Zinc (as Zn)	BLQ (LOQ:0.05)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
24	Nickel (as Ni)	0.011	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
25	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.01)	mg/L	Clause 6 of IS 3025 (Part 43):1992
26	Cyanide (as CN)	BLQ (LOQ:0.001)	mg/L	IS 3025 (Part 27):1986
27	Hexavalent Chromium (as Cr ⁺⁶)	BLQ (LOQ:0.02)	mg/L	APHA,24th Ed.,3500- Cr,B,256: 2023
28	Selenium (as Se)	BLQ (LOQ:0.005)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
29	Cadmium (as Cd)	BLQ (LOQ:0.002)	mg/L	IS 3025 (Part 2) : 2019 / ISO 11885: 2007
30	Vanadium (as V)	0.037	mg/L	IS 3025(Part 2) : 2019 / ISO 11885: 2023
31	Bioassay Test	90 % Survival of fish after 96 hours in 100 % effluent	-	IS 6582 (Part 1):1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: Sample ID E/12/25/085 bears two Test Reports - E/12/25/085 and E/12/25/085N

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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TEST REPORT

Sample ID : E/12/25/085	Report No. E/12/25/085N	Report Date	13/12/2025
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Effluent
Sampling Location	Percolation Well of Old and New Velhara Ash Bund	Date -Sampling	06/12/2025
Sample Quantity / Packing	5 L x 1 no. plastic can 5 L x 2 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of sample	06/12/2025
Sampling Procedure	APHA,24th Ed.,2023, 1060 B, 44 & IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr.No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment				
1	Fixed Dissolved Solids	228	mg/L	APHA,24th Ed.,2540.E.147: 2023
2	Trivalent Chromium	BLQ (LOQ:0.02)	mg/L	By Calculation
3	Nitrate Nitrogen (as NO ₃ -N)	2.6	mg/L	APHA 24th Ed. 4500 NO3. B. 434:2023
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Note: Sample ID E/12/25/085 bears two Test Reports - E/12/25/085 and E/12/25/085N				

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Technical Manager (Chemical)
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TC-5509



ULR-TC550925000054023F

TEST REPORT

Sample ID : W/12/25/0144	Report No. W/12/25/0144	Report Date	05/01/2026
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Velhala Lake	Date - Sampling	05/12/2025
Sample Quantity / Packing	10 L x 1 no. plastic can 250 ml x 4 no. sterile bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	IS 1622:1981 & APHA 24th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	PO NO: BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	04/01/2026

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Temperature	25	°C	IS 3025 (Part 9):1984
2	pH value (at 25°C)	8.14	-	IS 3025 (Part II): 2022
3	Biochemical Oxygen Demand (3 days, 27°C)	2	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	8	mg/L	APHA,24th Ed.,5220.B.544: 2023
5	Total Suspended Solids	8	mg/L	IS 3025 (Part 17): 2022
6	Total Dissolved Solids	288	mg/L	IS 3025 (Part 16): 2023
7	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.,5520.B.572: 2017
8	Dissolved Oxygen	5.9	mg/L	IS 3025 (Part 38):1989
9	Chloride (as Cl)	33.9	mg/L	ISO-15923-1:2017
10	Iron (as Fe)	0.318	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Fluoride (as F)	0.33	mg/L	ISO-15923-2:2017
12	Calcium (as Ca)	37.6	mg/L	IS 3025 (Part 40), Method No.5: 1991
13	Magnesium (as Mg)	21.8	mg/L	IS 3025 (Part 46): 1994
14	Nitrate (as NO ₃)	7.4	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
15	Sulphate (as SO ₄)	32.9	mg/L	ISO-15923-1:2017
16	Total Alkalinity (as CaCO ₃)	114	mg/L	ISO-15923-2:2017
17	Total Hardness (as CaCO ₃)	184	mg/L	IS 3025 (Part 21), Method No.5: 2009
18	Total Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA,24th Ed.,4500- P.E.486: 2023
19	Sodium (as Na)	62.1	mg/L	IS 3025 (Part 45): 2019
20	Potassium (as K)	0.87	mg/L	IS 3025 (Part 45): 2019
21	Tannin & Lignin	0.24	mg/L	APHA,24th Ed.,5500.B.590: 2023
22	Silica (Total) (as SiO ₂)	3.8	mg/L	IS 3025 (Part 35), Method No.4: 1988
23	Bicarbonate (as HCO ₃)	112	mg/L	IS 3025 (Part 51): 2001
24	Carbonate (as CO ₃)	1.47	mg/L	IS 3025 (Part 51):2001

Biological Testing; Group: Water





TC-5509



ULR-TC550925000054023F

Sample ID : W/12/25/0144		Report No. W/12/25/0144		Report Date	05/01/2026
Sr.No.	Parameter	Result	Unit	Method	
Microbiological Parameters					
25	Standard Plate Count (35°C, 48h)	80	CFU/ml	APHA, 24th Ed., 9215-B, H20: 2023	
26	<i>Escherichia coli</i>	<1.8	MPN Index /100 ml	APHA, 24th Ed., 9221- G, H44: 2023	
27	Yeast and Mould Count (25°C, 7 days)	<1	CFU/ml	APHA, 24th Ed., 9610-C, I299: 2023	
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification					
Note: Sample ID W/12/25/0144 bears two Test Reports - W/12/25/0144 and W/12/25/0144N					

Sarika Varade
 Section In-charge
 Reviewed & Authorised by

Ninad Soundankar
 Technical Manager (Chemical)
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Note:

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TEST REPORT

Sample ID : W/12/25/0144	Report No. W/12/25/0144N	Report Date	05/01/2026
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Velhala Lake	Date - Sampling	05/12/2025
Sample Quantity / Packing	10 L x 1 no. plastic can 250 ml x 4 no. sterile bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	IS 1622:1981 & APHA 24th Ed., 2023, 1060 B, 44, 9060 A, 1094 & 9060 B, 1097 & ISO 19458:2006, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	PO NO: BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	04/01/2026

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Bioassay Test	100% Survival of fish after 96 hours in 100% water sample	-	IS 6582:1971
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Biological Testing; Group: Water

Microbiological Parameters

2	Acid Producing Bacteria	Absent	/100 ml	APHA, 24th Ed., 9221- G.1144: 2023
3	Iron Reducing Bacteria	Absent	/100 ml	IS 1622:1981, Ed 2.4, Amd. 1, 2, 3 & 4, (3.6.2), Page no. 16
4	Manganese Bacteria	Absent	/100 ml	Elsevier-Sciencedirect water research 44(2010)
5	Nitrifying Bacteria	<1.8	MPN Index /100 ml	APHA, 24th Ed., 9245A, 1221:2023
6	Slime formers (Pseudomonas and Enterobacter)	Absent	/100 ml	IS 1622:1981, Ed., 2.4, Amd. 1, 2, 3 & 4, (3.10), Page No. 18
7	Sulphate Reducing Bacteria	<2	MPN Index /100ml	IS 1622:1981, Ed 2.4, Amd. 1, 2, 3 & 4, (3.7), Page no. 17

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: Sample ID W/12/25/0144 bears two Test Reports - W/12/25/0144 and W/12/25/0144N

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Technical Manager (Chemical)
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TC-5509



ULR-TC550925000054024F

TEST REPORT

Sample ID : W/12/25/0145	Report No. W/12/25/0145	Report Date	05/01/2026
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Nimbhora Nallah	Date - Sampling	05/12/2025
Sample Quantity / Packing	10 L x 1 no. plastic can 250 ml x 4 no. sterile bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	IS 1622:1981 & APHA 24th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	PO NO: BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	04/01/2026

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Temperature	24	°C	IS 3025 (Part 9):1984
2	pH value (at 25°C)	8.14	-	IS 3025 (Part II): 2022
3	Biochemical Oxygen Demand (3 days, 27°C)	2	mg/L	IS 3025 (Part 44): 1993
4	Chemical Oxygen Demand	6	mg/L	APHA,24th Ed.,5220.B.544: 2023
5	Total Suspended Solids	7	mg/L	IS 3025 (Part 17): 2022
6	Total Dissolved Solids	292	mg/L	IS 3025 (Part 16): 2023
7	Oil & Grease	BLQ (LOQ:1)	mg/L	APHA,24th Ed.,5520.B.572: 2017
8	Dissolved Oxygen	6	mg/L	IS 3025 (Part 38):1989
9	Chloride (as Cl)	34.4	mg/L	ISO-15923-1:2017
10	Iron (as Fe)	0.351	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
11	Fluoride (as F)	0.33	mg/L	ISO-15923-2:2017
12	Calcium (as Ca)	34.4	mg/L	IS 3025 (Part 40), Method No.5: 1991
13	Magnesium (as Mg)	22.8	mg/L	IS 3025 (Part 46): 1994
14	Nitrate (as NO ₃)	7.3	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
15	Sulphate (as SO ₄)	31.8	mg/L	ISO-15923-1:2017
16	Total Alkalinity (as CaCO ₃)	118	mg/L	ISO-15923-2:2017
17	Total Hardness (as CaCO ₃)	180	mg/L	IS 3025 (Part 21), Method No.5: 2009
18	Total Phosphate (as P)	BLQ (LOQ:0.1)	mg/L	APHA,24th Ed.,4500- P.E.486: 2023
19	Sodium (as Na)	66.5	mg/L	IS 3025 (Part 45): 2019
20	Potassium (as K)	0.11	mg/L	IS 3025 (Part 45): 2019
21	Tannin & Lignin	0.23	mg/L	APHA,24th Ed.,5500.B.590: 2023
22	Silica (Total) (as SiO ₂)	3.62	mg/L	IS 3025 (Part 35), Method No.4: 1988
23	Bicarbonate (as HCO ₃)	116	mg/L	IS 3025 (Part 51): 2001
24	Carbonate (as CO ₃)	1.42	mg/L	IS 3025 (Part 51):2001

Biological Testing; Group: Water





TC-5509



ULR-TC550925000054024F

Sample ID : W/12/25/0145		Report No. W/12/25/0145		Report Date	05/01/2026
Sr.No.	Parameter	Result	Unit	Method	
Microbiological Parameters					
25	Standard Plate Count (35°C, 48h)	89	CFU/ml	APHA, 24th Ed., 9215-B, H20: 2023	
26	<i>Escherichia coli</i>	<1.8	MPN Index /100 ml	APHA, 24th Ed., 9221- G, H44: 2023	
27	Yeast and Mould Count (25°C, 7 days)	<1	CFU/ml	APHA, 24th Ed., 9610-C, I299: 2023	
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification					
Note: Sample ID W/12/25/0145 bears two Test Reports - W/12/25/0145 and W/12/25/0145N					

Sarika Varade
 Section In-charge
 Reviewed & Authorised by

Ninad Soundankar
 Technical Manager (Chemical)
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TEST REPORT

Sample ID : W/12/25/0145	Report No. W/12/25/0145N	Report Date	05/01/2026
Name and address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Surface Water
Sampling Location	Nimbhora Nallah	Date - Sampling	05/12/2025
Sample Quantity / Packing	10 L x 1 no. plastic can 250 ml x 4 no. sterile bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	IS 1622:1981 & APHA 24th Ed., 2023, 1060 B, 44, 9060 A,1094 & 9060 B,1097 & ISO 19458:2006, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	PO NO: BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	04/01/2026

Sr.No.	Parameter	Result	Unit	Method
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Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1	Bioassay Test	100% Survival of fish after 96 hours in 100% water sample	-	IS 6582:1971
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Biological Testing; Group: Water

Microbiological Parameters

2	Acid Producing Bacteria	Absent	/100 ml	APHA,24th Ed.,9221- G,1144: 2023
3	Iron Reducing Bacteria	Absent	/100 ml	IS 1622:1981, Ed 2.4, Amd. 1, 2, 3 & 4, (3.6.2), Page no. 16
4	Manganese Bacteria	Absent	/100 ml	Elsevier-Sciencedirect water research 44(2010)
5	Nitrifying Bacteria	<1.8	MPN Index /100 ml	APHA, 24th Ed., 9245A, 1221:2023
6	Slime formers (Pseudomonas and Enterobacter)	Absent	/100 ml	IS 1622:1981,Ed., 2.4, Amd. 1, 2, 3 & 4, (3.10), Page No. 18
7	Sulphate Reducing Bacteria	<2	MPN Index /100ml	IS 1622:1981, Ed 2.4, Amd. 1, 2, 3 & 4, (3.7), Page no. 17

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: Sample ID W/12/25/0145 bears two Test Reports - W/12/25/0145 and W/12/25/0145N

Sarika Varade
 Section In-charge
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TC-5509



ULR-TC550925000052200F

TEST REPORT

Sample ID : W/12/25/0111	Report No.: W/12/25/0111	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Mr. Ramrao Jagdev Chaudhari, Village: Anjansonda)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

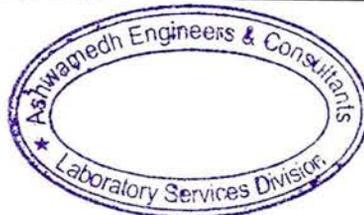
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.24	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.08	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1032	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.72	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.105	Max.1.0	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	0.26	Not specified	Not specified	mg/L	APHA 24th Ed., 4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

(Signature)

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ULR-TC550925000052200F

Sample ID : W/12/25/0111	Report No.: W/12/25/0111	Report Date	13/12/2025
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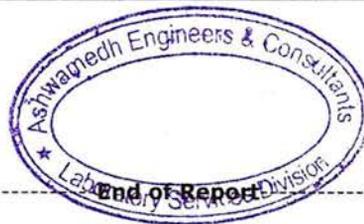
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	214	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.145	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water sample	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0111 bears two Test Reports - W/12/25/0111 and W/12/25/0111N.



Saanvi Dalal
Section In-charge (Chemical)
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TEST REPORT

Sample ID : W/12/25/0111	Report No.: W/12/25/0111N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Mr. Ramrao Jagdev Chaudhari, Village: Anjansonda))	Date – Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

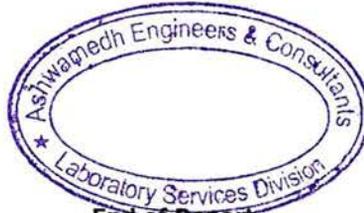
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	672	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0111N bears two Test Reports - W/12/25/0111N and W/12/25/0111N.


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End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052201F

TEST REPORT

Sample ID : W/12/25/0112	Report No.: W/12/25/0112	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell Village - Anjansonda (Gram Panchayat)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

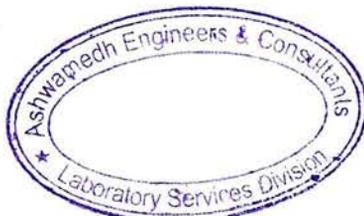
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.27	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.73	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1026	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.9	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.72	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.211	Max.1.0	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.3	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3,B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052201F

Sample ID : W/12/25/0112	Report No.: W/12/25/0112	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	218	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	0.19	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.163	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water sample	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
 Note: Sample ID W/12/25/0112 bears two Test Reports - W/12/25/0112 and W/12/25/0112.


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End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0112	Report No.: W/12/25/0112N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell Village - Anjansonda (Gram Panchayat)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

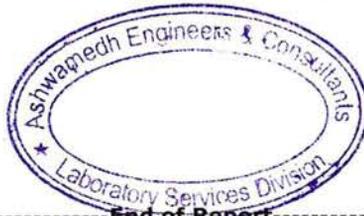
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	672	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0112N bears two Test Reports W/12/25/0112N and W/12/25/0112N.

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Note:

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052202F

TEST REPORT

Sample ID : W/12/25/0113	Report No.: W/12/25/0113	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Nimbhora bk-Laxman Building))	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

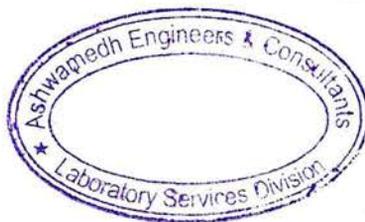
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.17	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	0.26	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1032	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.8	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.70	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.129	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	1.49	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO ₃ ,B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052202F

Sample ID : W/12/25/0113	Report No.: W/12/25/0113	Report Date	13/12/2025
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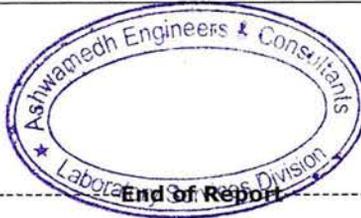
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO4)	213	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.132	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0113 bears two Test Reports - W/12/25/0113 and W/12/25/0113



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4. There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : W/12/25/0113	Report No.: W/12/25/0113N	Report Date	12/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Nimbhora bk-Laxman Building)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	11/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

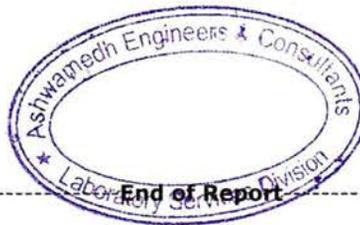
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	674	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0113N bears two Test Reports - W/12/25/0113N and W/12/25/0113N.



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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052203F

TEST REPORT

Sample ID : W/12/25/0114	Report No.: W/12/25/0114	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Nimbhora bk-Ganesh Temple)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

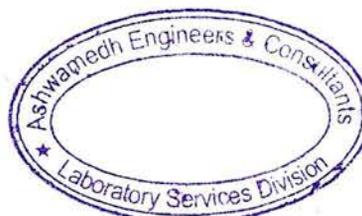
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.29	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.05	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed., 5.220, B, 5.44:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1040	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.0	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.74	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.132	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- NO3, B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052203F

Sample ID : W/12/25/0114	Report No.: W/12/25/0114	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	218	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.141	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0114 bears two Test Reports - W/12/25/0114 and W/12/25/0114

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- There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : W/12/25/0114	Report No.: W/12/25/0114N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Nimbhora bk-Laxman Building)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

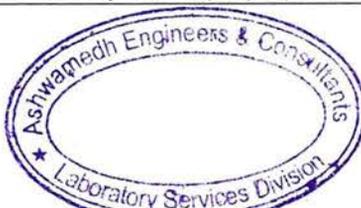
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	708	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0114N bears two Test Reports - W/12/25/0114N and W/12/25/0114N.



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ULR-TC550925000052204F

TEST REPORT

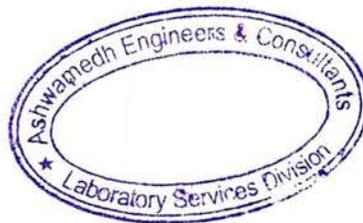
Sample ID : W/12/25/0115	Report No.: W/12/25/0115	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Komal Purushottam Bhirud, Village: Fekari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water**Physical & Chemical Parameters**

1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.20	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.92	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed. 5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1080	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.2	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.72	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.354	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	36.4	Not specified	Not specified	mg/L	APHA, 24th Ed. 4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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Sample ID : W/12/25/0115	Report No.: W/12/25/0115	Report Date	13/12/2025
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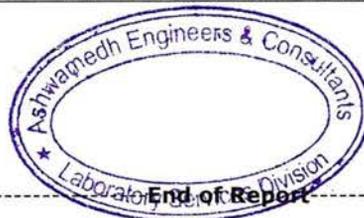
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	242	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.122	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0115 bears two Test Reports W/12/25/0115 and W/12/25/0115



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4. There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : W/12/25/0115	Report No.: W/12/25/0115N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Komal Purushottam Bhirud, Village: Fekari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	684	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0115N bears two Test Reports - W/12/25/0115N and W/12/25/0115N.



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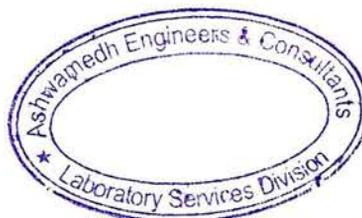
ULR-TC550925000052205F

TEST REPORT

Sample ID : W/12/25/0116	Report No.: W/12/25/0116	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Arun Ananda Bhirud, Village: Fekari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.28	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.81	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1040	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.7	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.266	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.48	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052205F

Sample ID : W/12/25/0116	Report No.: W/12/25/0116	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	218	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.135	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0116 bears two Test Reports W/12/25/0116 and W/12/25/0116

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TEST REPORT

Sample ID : W/12/25/0116	Report No.: W/12/25/0116N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Arun Ananda Bhirud, Village: Fekari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

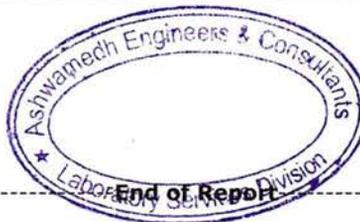
Sl. No.	Parameter	Result	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	Unit	Method
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	692	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0116N bears two Test Reports - W/12/25/0116N and W/12/25/0116N.



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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052206F

TEST REPORT

Sample ID : W/12/25/0117	Report No.: W/12/25/0117	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Santosh Tukaram Patil, Village - Fulgaon	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

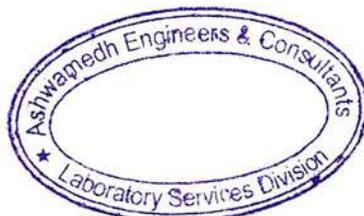
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.28	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.31	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	9	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17):. 2022
8.	Total Dissolved Solids	1060	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.8	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.73	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.126	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.14	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052206F

Sample ID : W/12/25/0117	Report No.: W/12/25/0117	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	222	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	0.12	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.140	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0117 bears two Test Reports W/12/25/0117 and W/12/25/0117

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4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0117	Report No.: W/12/25/0117N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Santosh Tukaram Patil, Village - Fulgaon	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	628	Not specified	Not specified	mg/L	IS 3025 (Part 1B):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0117N bears two Test Reports - W/12/25/0117N and W/12/25/0117N.

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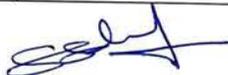


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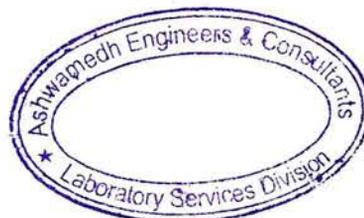
TEST REPORT

Sample ID : W/12/25/0118	Report No.: W/12/25/0118	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampnchayat) Village - Fulgaon	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.25	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.64	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	6	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1038	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.9	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.73	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.154	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.9	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3,B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007



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Sample ID : W/12/25/0118	Report No.: W/12/25/0118	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	217	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500 NH ₃ . B & C. 424 & 425 or F. 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.127	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0118 bears two Test Reports W/12/25/0118 and W/12/25/0118



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TEST REPORT

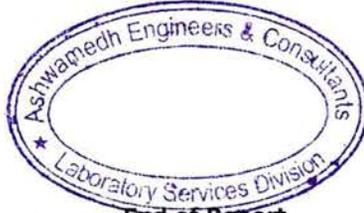
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Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampnchyat) Village - Fulgaon	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	736	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0118N bears two Test Reports - W/12/25/0118N and W/12/25/0118N.

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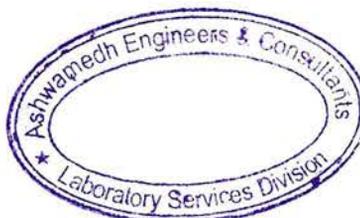
TEST REPORT

Sample ID : W/12/25/0119	Report No.: W/12/25/0119	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Grampnchyat Village - Pimpri Sekam)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.33	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.64	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220. B, 544:2023
7.	Total Suspended Solids	9	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1028	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.0	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.70	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.114	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.9	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007



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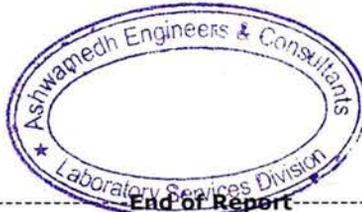
Sample ID : W/12/25/0119	Report No.: W/12/25/0119	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	219	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.166	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0119 bears two Test Reports W/12/25/0119 and W/12/25/0119

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TEST REPORT

Sample ID : W/12/25/0119	Report No.: W/12/25/0119N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Grampnchayat Village - Pimpri Sekam)	Date – Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	656	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/12/25/0119N bears two Test Reports - W/12/25/0119N and W/12/25/0119N.

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End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052209F TEST REPORT

Sample ID : W/12/25/0120	Report No.: W/12/25/0120	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Brijal patil Village - Pimpri Sekam)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

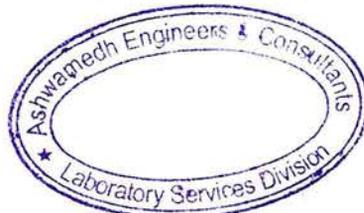
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.31	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.84	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	5	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	1052	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.8	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.73	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.183	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	4.4	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052209F

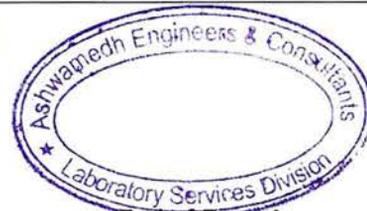
Sample ID : W/12/25/0120	Report No.: W/12/25/0120	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	216	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ . B & C. 424 & 425 or F. 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.139	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0120 bears two Test Reports W/12/25/0120 and W/12/25/0120

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TEST REPORT

Sample ID : W/12/25/0120	Report No.: W/12/25/0120N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Brijal patil Village - Pimpri Sekam)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

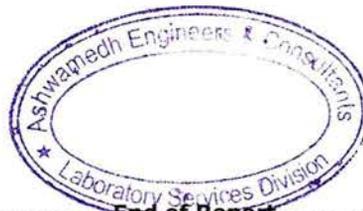
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	738	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0120N bears two Test Reports - W/12/25/0120N and W/12/25/0120N.

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ULR-TC550925000052210F

TEST REPORT

Sample ID : W/12/25/0121	Report No.: W/12/25/0121	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village - Khthora)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

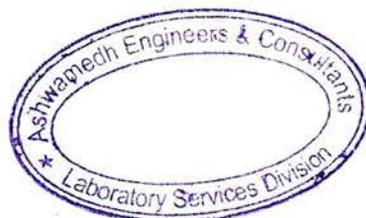
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.30	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	0.66	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220, B, 544:2023
7.	Total Suspended Solids	9	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	872	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.66	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.096	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.8	Not specified	Not specified	mg/L	APHA 24th Ed., 4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052210F

Sample ID : W/12/25/0121	Report No.: W/12/25/0121	Report Date	13/12/2025
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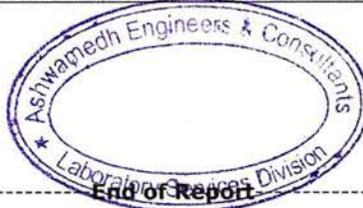
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	219	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.072	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0121 bears two Test Reports W/12/25/0121 and W/12/25/0121



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TEST REPORT

Sample ID : W/12/25/0121	Report No.: W/12/25/0121N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village - Khthora)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

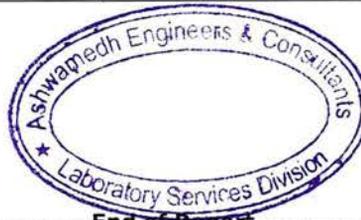
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	572	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0121N bears two Test Reports - W/12/25/0121N and W/12/25/0121N.

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ULR-TC550925000052211F

TEST REPORT

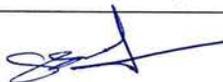
Sample ID : W/12/25/0122	Report No.: W/12/25/0122	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Vitthal Ekanath Patil Village - Khthora)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

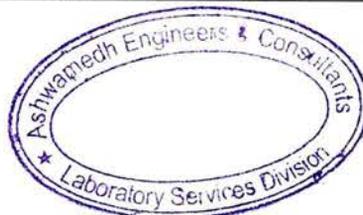
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.33	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.59	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	7	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	880	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.0	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.64	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.154	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.72	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007



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ULR-TC550925000052211F

Sample ID : W/12/25/0122	Report No.: W/12/25/0122	Report Date	13/12/2025
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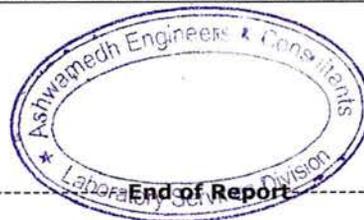
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	131	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.094	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0122 bears two Test Reports W/12/25/0122 and W/12/25/0122



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4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0122	Report No.: W/12/25/0122N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Vitthal Ekanath Patil Village - Khthora)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	574	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0122N bears two Test Reports - W/12/25/0122N and W/12/25/0122N.

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End of Report

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052212F TEST REPORT

Sample ID : W/12/25/0123	Report No.: W/12/25/0123	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Prashant Bonde Village - Manyarkhede)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

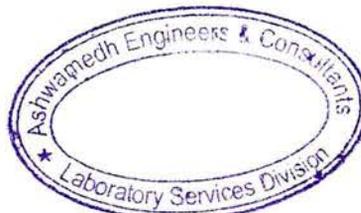
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.29	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.19	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	9	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	860	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.9	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.66	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.152	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3,B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052212F

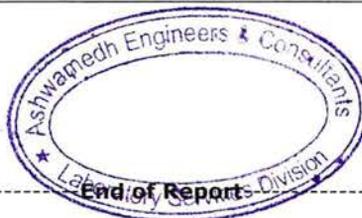
Sample ID : W/12/25/0123	Report No.: W/12/25/0123	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	130	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.085	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0123 bears two Test Reports W/12/25/0123 and W/12/25/0123

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TEST REPORT

Sample ID : W/12/25/0123	Report No.: W/12/25/0123N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Prashant Bonde Village - Manyarkhede)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

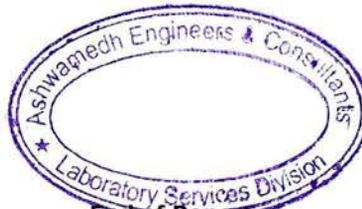
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	586	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0123N bears two Test Reports - W/12/25/0123N and W/12/25/0123N.

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End of Report

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Ashwamedh

Engineers & Consultants

Laboratory Services Division



TC-5509



Ashwamedh Engineers & Consultants

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ULR-TC550925000052213F TEST REPORT

Sample ID : W/12/25/0124	Report No.: W/12/25/0124	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village- Manyarkhede)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

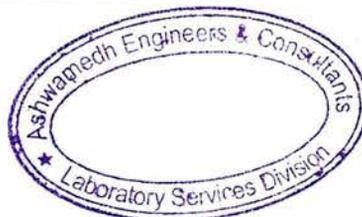
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.21	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.99	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA 24th Ed.,5220. B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	872	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.65	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.190	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.2	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052213F

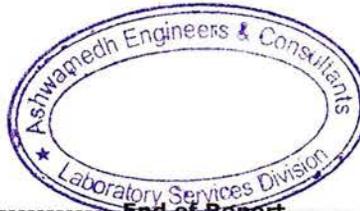
Sample ID : W/12/25/0124	Report No.: W/12/25/0124	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	129	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.078	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0124 bears two Test Reports W/12/25/0124 and W/12/25/0124

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4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0124	Report No.: W/12/25/0124N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Grampanchayat Village- Manyarkhed)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

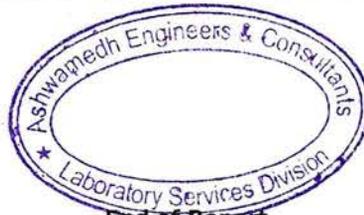
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	598	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0124N bears two Test Reports - W/12/25/0124N and W/12/25/0124N.

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ULR-TC550925000052214F

TEST REPORT

Sample ID : W/12/25/0125	Report No.: W/12/25/0125	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Nivrutti Namdev Patil Village-Susari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

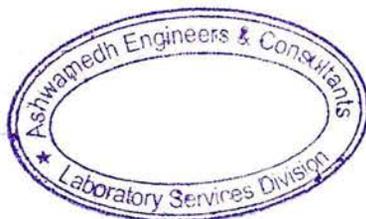
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.23	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.12	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17):. 2022
8.	Total Dissolved Solids	854	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.7	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.64	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.286	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.7	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052214F

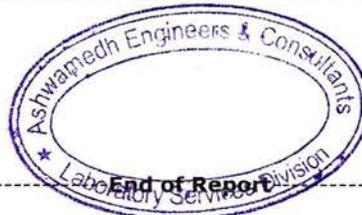
Sample ID : W/12/25/0125	Report No.: W/12/25/0125	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	128	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500 NH ₃ , B & C. 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0:003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.095	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0125 bears two Test Reports W/12/25/0125 and W/12/25/0125

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- There are no additions to, deviations or exclusions from the method.



TEST REPORT

Sample ID : W/12/25/0125	Report No.: W/12/25/0125N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Nivrutti Namdev Patil Village-Susari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
Chemical Testing; Group: Water, Residues in Water						
Physical & Chemical Parameters						
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	582	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0125N bears two Test Reports - W/12/25/0125N and W/12/25/0125N.



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ULR-TC550925000052215F TEST REPORT

Sample ID : W/12/25/0126	Report No.: W/12/25/0126	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- susari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

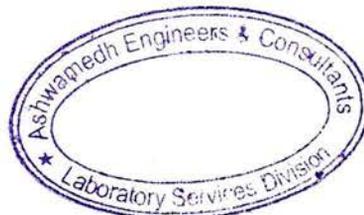
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.30	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.80	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	7	Not specified	Not specified	mg/L	IS 3025 (Part 17):. 2022
8.	Total Dissolved Solids	890	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.66	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.164	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.04	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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TEST REPORT

Sample ID : W/12/25/0126	Report No.: W/12/25/0126N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- susari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	672	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0126N bears two Test Reports - W/12/25/0126N and W/12/25/0126N.



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ULR-TC550925000052215F

Sample ID : W/12/25/0126	Report No.: W/12/25/0126	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO4)	125	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.118	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0126 bears two Test Reports W/12/25/0126 and W/12/25/0126

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ULR-TC550925000052216F

TEST REPORT

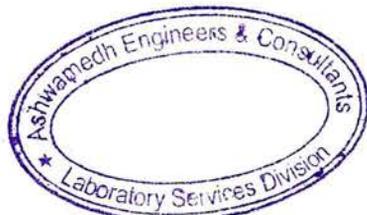
Sample ID : W/12/25/0127	Report No.: W/12/25/0127	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village- sakari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water**Physical & Chemical Parameters**

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.35	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.15	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	6	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	854	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.65	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.151	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.9	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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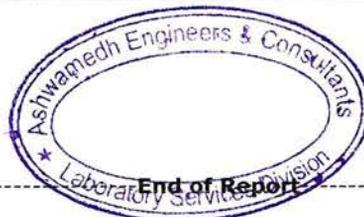
Sample ID : W/12/25/0127	Report No.: W/12/25/0127	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	132	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.091	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0127 bears two Test Reports W/12/25/0127 and W/12/25/0127

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O TEST REPORT

Sample ID : W/12/25/0127	Report No.: W/12/25/0127N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village- sakari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

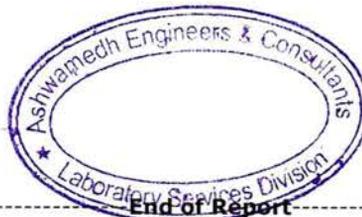
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	576	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0127N bears two Test Reports - W/12/25/0127N and W/12/25/0127N.

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End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052217F

TEST REPORT

Sample ID : W/12/25/0128	Report No.: W/12/25/0128	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Milind Jagannath Nehete Village- sakari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

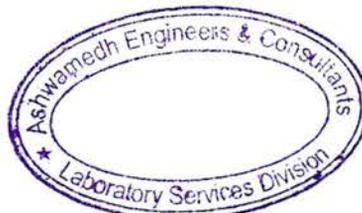
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.36	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.97	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17):. 2022
8.	Total Dissolved Solids	866	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.7	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.67	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.110	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	0.2	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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TC-5509



ULR-TC550925000052217F

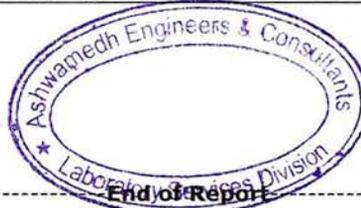
Sample ID : W/12/25/0128	Report No.: W/12/25/0128	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	125	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 B 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.096	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0128 bears two Test Reports W/12/25/0128 and W/12/25/0128

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TEST REPORT

Sample ID : W/12/25/0128	Report No.: W/12/25/0128N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Milind Jagannath Nehete Village- sakari)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	494	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0128N bears two Test Reports - W/12/25/0128N and W/12/25/0128N.

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ULR-TC550925000052218F TEST REPORT

Sample ID : W/12/25/0129	Report No.: W/12/25/0129	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Prabhakar Talele Village- Velhala)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

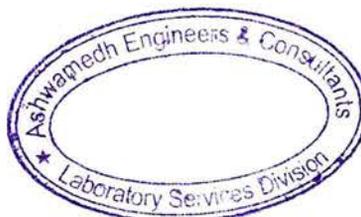
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.38	6.5 - 8.5	No.relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.07	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	856	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.8	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.66	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.094	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	8.14	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007



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ULR-TC550925000052218F

Sample ID : W/12/25/0129	Report No.: W/12/25/0129	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	128	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ . B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.094	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0129 bears two Test Reports W/12/25/0129 and W/12/25/0129

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TEST REPORT

Sample ID : W/12/25/0129	Report No.: W/12/25/0129N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Prabhakar Talele Village- Velhala))	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

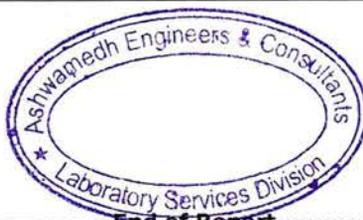
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	862	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0129N bears two Test Reports - W/12/25/0129N and W/12/25/0129N.



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ULR-TC550925000052219F

TEST REPORT

Sample ID : W/12/25/0130	Report No.: W/12/25/0130	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- Velhala)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

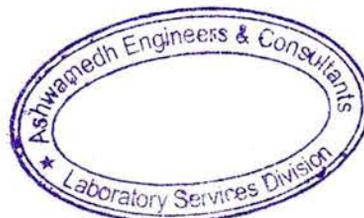
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.32	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.26	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	6	Not specified	Not specified	mg/L	APHA, 24th Ed., 5220, B, 544:2023
7.	Total Suspended Solids	6	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	854	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.65	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.243	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	8.14	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- NO ₃ , B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052219F

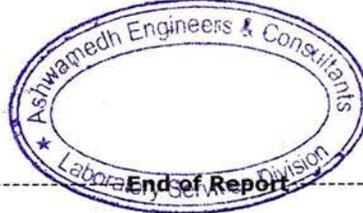
Sample ID : W/12/25/0130	Report No.: W/12/25/0130	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	129	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.097	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0130 bears two Test Reports W/12/25/0130 and W/12/25/0130

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4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0130	Report No.: W/12/25/0130N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- Velhala)	Date – Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

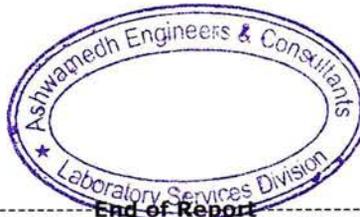
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	620	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0130N bears two Test Reports - W/12/25/0130N and W/12/25/0130N.

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ULR-TC550925000052220F TEST REPORT

Sample ID : W/12/25/0131	Report No.: W/12/25/0131	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Sambhaji Rajendra Patil Village- Jadgaon)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

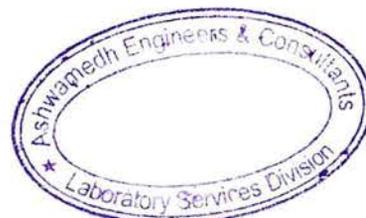
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.35	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.96	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	872	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.9	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C: 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.66	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.166	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.9	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052220F

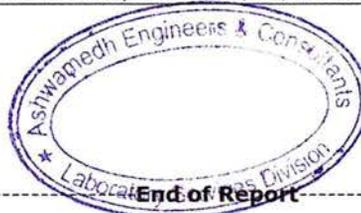
Sample ID : W/12/25/0131	Report No.: W/12/25/0131	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	127	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.104	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0131 bears two Test Reports W/12/25/0131 and W/12/25/0131

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TEST REPORT

Sample ID : W/12/25/0131	Report No.: W/12/25/0131N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Sambhaji Rajendra Patil Village- Jadgeon)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

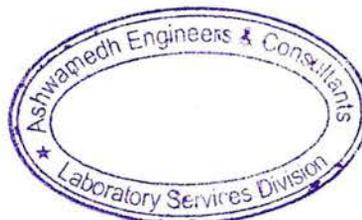
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	640	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0131N bears two Test Reports - W/12/25/0131N and W/12/25/0131N.

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ULR-TC550925000052221F TEST REPORT

Sample ID : W/12/25/0132	Report No.: W/12/25/0132	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Shravan Ramlal Bodade Village- Jadgaon)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

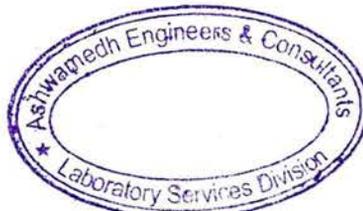
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.5	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.30	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	1.44	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	9	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	864	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.8	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.65	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.150	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	7.48	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3,B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

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ULR-TC550925000052221F

Sample ID : W/12/25/0132	Report No.: W/12/25/0132	Report Date	13/12/2025
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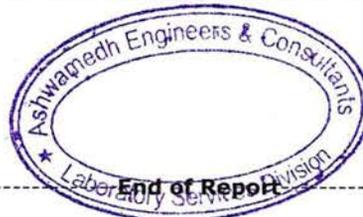
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	129	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.093	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	100 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.

Note: Sample ID W/12/25/0132 bears two Test Reports W/12/25/0132 and W/12/25/0132



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TEST REPORT

Sample ID : W/12/25/0132	Report No.: W/12/25/0132N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Shravan Ramlal Bodade Village- Jadgaon)	Date – Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

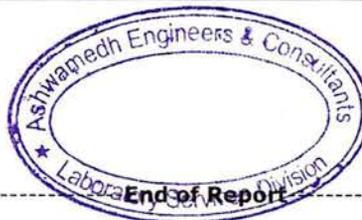
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	574	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0132N bears two Test Reports - W/12/25/0132N and W/12/25/0132N.

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ULR-TC550925000052222F TEST REPORT

Sample ID : W/12/25/0133	Report No.: W/12/25/0133	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Borewell (Grampanchayat Village- kinhi)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

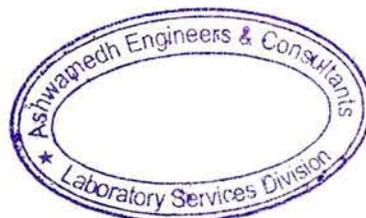
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	22.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.42	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	1.74	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	8	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220. B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17):. 2022
8.	Total Dissolved Solids	1014	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	5.7	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.68	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.133	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	2.8	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

(Signature)

Saanvi Dalal
Section-in-Charge (Chemical)
Reviewed & Authorised by





TC-5509



ULR-TC550925000052222F

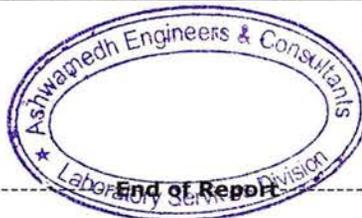
Sample ID : W/12/25/0133	Report No.: W/12/25/0133	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	150	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ . B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.114	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0133 bears two Test Reports W/12/25/0133 and W/12/25/0133

Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by



Note:

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2. This report is not to be reproduced except in full, without written approval of the laboratory.
3. In case sampling is not done by laboratory, the results apply to the sample as received.
4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : W/12/25/0133	Report No.: W/12/25/0133N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Bore Well (Grampanchayat Village- kinhi)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

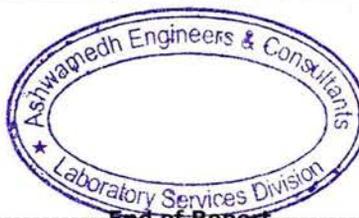
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	698	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0133N bears two Test Reports - W/12/25/0133N and W/12/25/0133N.

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Section In-charge (Chemical)
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End of Report

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052223F TEST REPORT

Sample ID : W/12/25/0134	Report No.: W/12/25/0134	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- kinhi)	Date – Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

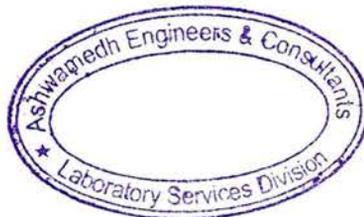
Chemical Testing; Group: Water, Residues in Water

Physical & Chemical Parameters

1.	Temperature	25.2	-	-	°C	IS 3025 (Part 9):1984
2.	Colour	1	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 1983
3.	pH Value	7.19	6.5 - 8.5	No relaxation	-	IS 3025 (Part II):2022
4.	Turbidity	0.23	Max. 1	Max.5	NTU	IS 3025 (Part 10):2023
5.	Biochemical Oxygen Demand (3 days, 27°C)	2	Not specified	Not specified	mg/L	IS 3025 (Part 44): 1993
6.	Chemical Oxygen Demand	7	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	8	Not specified	Not specified	mg/L	IS 3025 (Part 17): 2022
8.	Total Dissolved Solids	872	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	6.1	Not specified	Not specified	mg/L	IS 3025 (Part 38), Method No.4: 1989
10.	Oil & Grease	BLQ (LOQ:1)	Not specified	Not specified	mg/L	IS 3025 (Part 39) Method No.5: 2021
11.	Free Ammonia	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500-NH3, B & C 424:2023
12.	Copper (as Cu)	BLQ (LOQ:0.02)	Max.0.05	Max.1.5	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
13.	Fluoride (as F)	0.64	Max. 1	Max.1.5	mg/L	ISO 15923-2:2017
14.	Iron (as Fe)	0.098	Max.10	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
15.	Manganese (as Mn)	BLQ (LOQ:0.02)	Max.0.1	Max.0.3	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
16.	Nitrate Nitrogen (as NO ₃ -N)	5.4	Not specified	Not specified	mg/L	APHA, 24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007

Saanvi Dalal

Saanvi Dalal
Section-in-Charge (Chemical)
Reviewed & Authorised by





ULR-TC550925000052223F

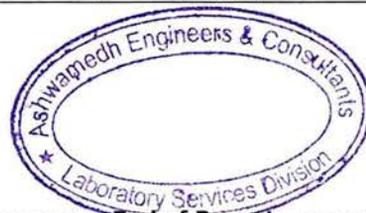
Sample ID : W/12/25/0134	Report No.: W/12/25/0134	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	133	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29):1986
20.	Total Kjeldahl Nitrogen	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH ₃ , B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C ₆ H ₅ OH)	BLQ (LOQ:0.001)	Max. 0.001	Max.0.002	mg/L	Clause 6 of IS 3025(Part 43):1992
22.	Total Phosphate (as P)	BLQ (LOQ:0.1)	Not specified	Not specified	mg/L	ISO-15923-1:2017
23.	Zinc (as Zn)	BLQ (LOQ:0.05)	Max. 5	Max.15	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
24.	Chromium (Hexa) (as Cr+6)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	ISO-15923-2:2017
25.	Cadmium (as Cd)	BLQ (LOQ:0.002)	Max. 0.003	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
26.	Cyanide (as CN)	BLQ (LOQ:0.001)	Max.0.05	No relaxation	mg/L	Clause 2 of IS 3025 (Part 27):1986
27.	Lead (as Pb)	BLQ (LOQ:0.008)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
28.	Mercury (as Hg)	BLQ (LOQ:0.0008)	Max. 0.001	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
29.	Nickel (as Ni)	BLQ (LOQ:0.01)	Max.0.02	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
30.	Arsenic (as As)	BLQ (LOQ:0.005)	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
31.	Chromium (as Cr)	BLQ (LOQ:0.02)	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	0.102	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Bioassay Test	90 % Survival of fish after 96 hour in 100% water	Not specified	Not specified	-	IS 6582:1971

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0134 bears two Test Reports W/12/25/0134 and W/12/25/0134

Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by



End of Report

Note:

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TEST REPORT

Sample ID : W/12/25/0134	Report No.: W/12/25/0134N	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	Open Well (Grampanchayat Village- kinhi)	Date - Sampling	05/12/2025
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	06/12/2025
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	06/12/2025
Order Reference	P.O. No. BTPS/4550025438 /No. 0002 dated 01.04.2025	Date - Completion of Analysis	12/12/2025

Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

Chemical Testing; Group: Water, Residues in Water

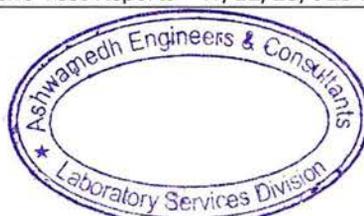
Physical & Chemical Parameters

1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	560	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.

Note: Sample ID W/12/25/0134N bears two Test Reports - W/12/25/0134N and W/12/25/0134N.

Saanvi Dalal
Section In-charge (Chemical)
Reviewed & Authorised by



End of Report

Note:

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4. There are no additions to, deviations or exclusions from the method.



ULK-TC66652000000 0858 F



कम सं. / SL. NO. : 485 A 48458

विआयवो / बीएफआरसी वाशी कॉम्प्लेक्स,
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भारत सरकार / GOVERNMENT OF INDIA

परमाणु ऊर्जा विभाग / DEPARTMENT OF ATOMIC ENERGY

विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड / BOARD OF RADIATION & ISOTOPE TECHNOLOGY

रेडियोसक्रियता परीक्षण प्रमाण-पत्र / RADIOACTIVITY TEST CERTIFICATE

PAGE 1 OF 1

RADIOANALYTICAL LABORATORY

Ref: BRIT/RAL/D/1205-16/MISC/1122-33/19-20

JUNE 04, 2020

TO
M/S. MAHARASHTRA STATE POWER GENERATION COMPANY LTD,
BHUSAWAL THERMAL POWER STATION
DEEPNAGAR, TAL - BHUSAWAL
DIST. JALGAON (M.S.) PIN - 425307

This is regarding the COAL, FLY ASH & BOTTOM ASH samples sent by you on vide letter ref. no. BTPS/CE/ENV/0454 dated 13.03.2020 for radioactivity analysis with the following details:

SAMPLE DESCRIPTION : 1. COAL SAMPLE
2. FLY ASH SAMPLE
3. BOTTOM ASH SAMPLE

QUANTITY : 500 GMS EACH IN DRY POWDER

SOURCE OF SAMPLING : PREMISES OF MAHARASHTRA STATE POWER GENERATION CO. LTD., JALGAON

The samples were analysed for U-238, Th-232, Ra-226 & K-40 radioactivity content and the values obtained are as follows:

SR. NO.	SAMPLE	U-238 (Bq/Kg)	Th-232 (Bq/Kg)	Ra-226 (Bq/Kg)	K-40 (Bq/Kg)
1	COAL SAMPLE	104.4 ± 10.3	70.4 ± 9.8	81.3 ± 9.1	222 ± 14.3
2	FLY ASH SAMPLE	172 ± 13.3	128.6 ± 12.0	181.6 ± 13.9	355.5 ± 6.7
3	BOTTOM ASH SAMPLE	95.7 ± 9.8	101.5 ± 13.9	90.7 ± 9.9	295.7 ± 15.5

Date of receipt of sample : 20.03.2020

Date of completion of test : 29.05.2020

The measurement values are below the clearance level for radionuclides of natural origin in bulk solid materials, as per AERB directive 01/2010 (table-3) dated 26/11/2010.

Note: (i)The report pertains to the given sample only. (ii)The sample will be retained in this laboratory for a period of one month from certificate date and thereafter it will be disposed off. (iii)This report shall not be reproduced except in full, without written approval of the laboratory. (iv) The sampling is not done by this laboratory.

Checked by:

Authorised Signatory:

****End of Report****

एन जयचंद्रन / N Jayachandran
04/06/2020
बमारी अधिकारी / Officer-in-Charge
रेडियोसक्रियता प्रयोगशाला / Radioanalytical Laboratory
विकिरण एवं आइसोटोप प्रौद्योगिकी बोर्ड
Board of Radiation & Isotope Technology,
सेक्टर / Sector-20, वाशी नगर / Vashi Complex,
नवी मुंबई - 400 703

सीएसआईआर-केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
बरवा रोड, धनबाद - 826 015, झारखण्ड, भारत
एक आई एस ओ 9001 प्रमाणित संस्थान



CSIR-Central Institute of Mining and Fuel Research

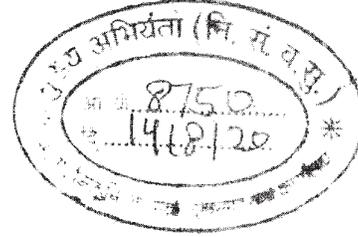
(Council of Scientific and Industrial Research)
Barwa Road, Dhanbad - 826 015, Jharkhand, India
An ISO 9001 Certified Institute

II/TR/20-21/UT/011

Letter No. : II/TR/20-21/LTR-17

Date : 30.07.2020

To,



Chief Engineer (Gen. O&M)

ETPS, Deepnagar

Bhusawal Thermal Power Station

Maharashtra State Power Generation Co. Ltd.

Dist - Jalgaon (M.S.)

Pin- 425307

Subject- Test Report of Heavy Metals

Dear Sir,

With reference to your letter no. BTPS/CE/Env./No. 0453, Dated: 13.03.2020, we are sending the test report for the heavy metal test as requested by you.

You are requested to kindly find the Test Report attached with this letter.

Thanks & Regards

Your's Faithfully

Dr. Rajesh Kumar

प्रधान / HEAD

इन्डस्ट्री इन्टरफेस / INDUSTRY INTERFACE
सीएसआईआर-सीआईएमएफआर / CSIR-CIMFR

Chief Engineer	Dv. CE
SE (MM)	SE (AHP)
SE (GP)	SE (EM)
SE (Co-Ord)	SE (Civil)
SE (CHP)	Steno
EE (M.S. 'A')	EE (Safety)
CM (HR)	Sr. M. (F&A)
W. O. / S. O. / M. O.	

Environment Section E

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Website: www.cimfr.nic.in

सीआईआर-केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
बरवा रोड, धनबाद - 826 015, झारखण्ड, भारत
एक आई एस ओ 9001 प्रमाणित संस्थान



CSIR-Central Institute of Mining and Fuel Research

(Council of Scientific and Industrial Research)
Barwa Road, Dhanbad - 826 015, Jharkhand, India
An ISO 9001 Certified Institute

Department of Environment & Safety
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in a court of law.

II/TR/20-21/UT/011

REPORT ON ANALYSIS



Dated: 02.07.2020

To
Chief Engineer (Gen. O&M)
BTPS, Deepnagar
Bhusawal Thermal Power Station
Maharashtra State Power Generation Co. Ltd.
Deepnagar, Tal.-Bhusawal
Dist- Jalgaon (M.S.)
Pin- 425307

Ref. No: BTPS/CE/Env./No. 0453 Dated: - 13.03.2020

Sampling not done by CIMFR

CIMFR Sample No	Details of Sample (As Stated)	Hg (µg/kg)	As (µg/g)	Cr (µg/g)	Pb (µg/g)
Inor114/2020	Coal Sample	121	0.72	202	7.82
Inor115/2020	BottomAsh	38	0.6	ND	ND
Inor116/2020	Fly Ash	106	0.42	ND	ND

ND = Not Detected

[Signature]
02.07.2020

प्रधान/HEAD

इन्डस्ट्री इन्टरफेस/INDUSTRY INTERFACE
सीएसआईआर-सीआईएमएफआर/CSIR-CIMFR

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