

Dispatch Section
2x500MW Unit, Stg-3

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)



Chief Engineer (O&M),
Bhusawal Thermal Power Station,
Deepnagar, Tal. Bhusawal
Dist. Jalgaon (MS) - 425307
☎ (02582) 250207
✉ cegenbhusawal@mahagenco.in

Ref. No: CE(O&M)/BTPS/Env. Cell/FL-38

Date:

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

No - 0125

130 JAN 2026

Subject: Updated status of compliance of Environmental Clearance Conditions pertains to
2x500MW Bhusawal Thermal Power plant six monthly report (Jul-2025 to Dec-2025).

Ref.: F. No. J-13011/12/2006-IA. II (T) Dtd.27.11.2006.

Respected Sir,

With reference to above subject, the updated status of compliance for the Environmental Clearance (EC) Conditions for unit no. 4 & 5 (500MW), BTPS for the period Jul-2025 to Dec-2025 is as follows:

S.N.	Environment Conditions	Present Status
1	All the conditions stipulated by Maharashtra Pollution Control Board vide their letter No. BO / RO (P&P) / CC-579 Dtd. 08.08.2006 shall be strictly implemented.	Complied. BTPS has provided Sewage Treatment Plant (STP) of Capacity 1000 M ³ /Day & it is in service. Effluent standards are maintained as per consent norms, treated sewage effluent is utilized for gardening & remaining is used for ash disposal. Operation & maintenance of STP is done through third party Annual Operation & Maintenance contract. Effluent Treatment Plant (ETP) of Capacity 855 M ³ /Hr is provided & is in service. Effluent standards are maintained as per consent norms, and treated effluent is utilized for ash disposal & plant activities at 2x500 MW. Operation & maintenance of ETP is done through Annual Operation & Maintenance contract. Bhusawal TPS has provided Ash Water Recovery (AWR) system (commissioned on Dtd.20.02.2017) & it is in service. BTPS has achieved Zero liquid discharge (ZLD); clear water is continuously recovered from ash water recovery system and is utilized for ash disposal. Operation & maintenance of recovery system is done through annual contract.

		All conditions stipulated by MPCB in Consent to establish are complied by Bhusawal TPS.
2	No additional land shall be acquired for the project including ash pond.	Additional land is not acquired for the project of 2×500 MW & for ash pond.
3	Particulate emission from the existing units shall not exceed 150 mg/Nm ³ and ammonia dosing system in unit 2 shall be completed by December 2007 to limit the particulate emission within 150 mg/Nm ³ . In case of the proposed new units, it shall not exceed 100 mg/Nm ³ .	Presently Bhusawal TPS has maintaining the SPM Emission level of Old Unit i.e. Unit No.3 (210MW) below 100 mg/Nm ³ and of new Units i.e. Unit No. 4 & 5 (2X500MW) below 50 mg/Nm ³ . Unit No. 2 (210 MW) 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).
4	Fly ash shall be collected in dry form only and 100% fly ash utilization shall be ensured. However, in case of emergency, the unutilized fly ash shall be dumped in the existing ash pond in the form of high concentration slurry.	Complied. Presently Fly Ash utilization of 2x500 MW, BTPS for the period of Jul-2025 to Dec-2025 is 103.32 %. (Report attached).
5	The sulphur and ash content in the coal to be used for the power plant shall not exceed 0.6 % and 34 % respectively.	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. Whereas Bhusawal TPS is using imported coal blending with raw coal to achieve the said parameters.
6	Rainwater harvesting shall be practiced. A details scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority / State Ground water Board and a copy of same shall be submitted within three months to the Ministry.	Natural rainwater flow is collected through collection channel and stored in storm water storage tank of capacity: 3300 M3 for the purpose of water percolation. Excess water is used for plant activities.
7	The treated effluent conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon.	Bhusawal TPS is using Treated effluent from ETP & Ash Water Recovery (AWR) for ash handling to achieve Zero liquid discharge (ZLD).
8	Two single flue stacks of 275 m each with exit velocity of not less than 21 m/sec shall be installed with continuous on-line monitoring system.	Bhusawal TPS has provided Combine stack with separate plume for Unit No. 4 & 5 of height 275 meters. Online monitoring system is provided to the stack for parameters SPM, SO ₂ & NO _x and the system is connected to CPCB/ MPCB server.
9	Electrostatic Precipitators (ESPs) with	Bhusawal TPS has provided ESPs with 72

	an efficiency of not less than 99.9% shall be installed to limit particulate emission within 100 mg/Nm ³ . Automatic system for shutting down the power plant in the event of non-functioning of ESPs shall be installed.	fields based on modern technology for Unit No. 4 & 5, followed by combine stack of height 275 meters. ESP efficiency of Unit No. 4 & 5 (2x500 MW) is 99.98 %.
10	Regular monitoring of ground water in land around the ash pond area shall be carried out; records maintained, and quarterly report shall be furnished to the regional office of the Ministry.	Ground water samples are collected and analysed around the periphery of 20 KMs from 12 different villages around ash pond is monitored quarterly through MoEF&CC recognized agency. (Reports are attached herewith.)
11	A forestation shall be done in 100 acres of degraded forest land to be identified in close vicinity of the project area in consultation with the State Forest department in lieu of green belt. Necessary allocation of funds in this regard shall be made and include in the project cost.	In this regard, this office made correspondence with nearest forest department vide letter under Ref. Letter No. भु.औ.वि.कें. / मु.अ. / पर्यावरण/No.1747 दि.07/10/2024. for allocation of 100 Acre land and plantation with care up to 5 years. In response to same, letter under Ref. Letter of Forest Dept. No. जा.क्र.ब/कक्ष-५/जमीन/२०२४-२५/2169 दि.16.10.2024. with detailed estimation for allocation of 40 Hectors (i.e. near about 100 Acre) land and plantation on same with care up to 5 years is received. According to the estimation received from Forest Department, on 40 Hectors land total 64000 trees will be planted. Total cost plantation to the care about 5 years mentioned is Rs. 3,55,11,794/-.
12	First aid and sanitations arrangements shall be made for the drivers and other contract workers during construction phase.	Bhusawal TPS (2x500 MW) project work already completed, these facilities were already provided during the project stage.
13	Leq of Noise level should be limited to 75 dBA and regular maintenance of equipment be undertaken. For people working in high noise area, personal protection devices should be provided.	Personal protective equipments / devices i.e. Ear plugs / muffs are provided to the people working in high noise area. Noise level measurement is carried out by MoEF & CC approved agency once in a month.
14	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. Periodic quarterly reports shall be submitted to the regional office of this ministry on six monthly bases.	Bhusawal TPS regularly monitor the Ambient Air Quality (AAQ) at 04 Location in & out side the power plant through MoEF & CC approved agency twice in a week at four different locations. (Report attached).

15	For controlling fugitive dust, regular sprinkling of water in coal storage area and other vulnerable area of the plant shall be ensured.	Bhusawal TPS has provided Dust suppression / Extraction system at all wagon tipplers & Conveyor Belt of Unit No. 3, 4, 5 & 6. Dust extraction system is provided to crusher house & bunker house. Portable fogger system is provided at crusher house. Water sprinkling dust extraction system is provided at stacker yard 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.
16	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 project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters 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 .	Complied.
17	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated.	Complied.
18	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to this Ministry regional office / CPCB / SPCB.	Complied.
19	Regional Office of the Ministry of Environment of Forest located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of Document including Environmental Impact Assessment Report of Environmental management plan along with additional information submitted from time to time shall be	Complied.

	forwarded to the Regional Office for their use during monitoring.	
20	Separate fund should be allocated to implementation of environmental protection measures along with the item wise break-up. This cost should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year wise expenditure should be reported to the Ministry.	Complied.
21	Full co-operation should be extended to the Scientist / officers from the Ministry / Regional Office of the Ministry at Bhopal / the CPCB / the SPCB who would be monitoring the compliance of environmental status.	Yes, full co-operation provided during every visit of MPCB officers.
22	The Ministry reserves the rights to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Noted.
23	The environmental clearance accorded shall be valid for a period of 5 year to the start of production operations by the power plant.	The environmental clearance was granted on Dtd.27.11.2006 and Project work was completed within stipulated period.
24	In case of any deviation or alteration in the proposed project from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Noted.
25	The above stipulations shall be enforced among others under the water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environmental (Protection) Act, 1986, the Manufacture, storage and Import of Hazardous Chemical Rules, 1989, Hazardous wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and amendments and rules made there under.	Complied.

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 guideline 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, 3rd Floor, 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, 1st floor, 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.

Month	Unit	Stack Emmission					Avg.PLF (%)	Power Generation (MUs)	Water Consumption (M3)	Sp. Water Consumption (M3/KWh)
		SPM (mg/Nm3)			SO2 (mg/Nm3)	NO2 (mg/Nm3)				
		Avg	Min	Max						
Jul-25	U- 3	91	91	91	809	242	18.583	29.034	143488	4.94
	U- 4	42	40	43	1188	238	74.320	546.168	1286069	2.35
	U- 5	43	42	43	1198	239	72.500			
Aug-25	U- 3	92	92	92	809	240	8.396	13.118	61317	4.67
	U- 4	42	40	44	1156	232	69.640	483.570	1244798	2.57
	U- 5	42	41	43	1173	207	60.360			
Sep-25	U- 3	93	92	94	798	238	42.638	64.469	270397	4.19
	U- 4	43	41	44	1145	231	65.260	446.015	1344734	3.01
	U- 5	42	41	43	1160	231	58.630			
Oct-25	U- 3	RSD	RSD	RSD	RSD	RSD	0.003	0.004	10472	RSD
	U- 4	43	41	44	1159	233	41.070	159.185	474893	2.98
	U- 5	42	42	42	1159	228	1.720			
Nov-25	U- 3	RSD	RSD	RSD	RSD	RSD	RSD	RSD	721	RSD
	U- 4	RSD	RSD	RSD	RSD	RSD	RSD	RSD	18570	RSD
	U- 5	RSD	RSD	RSD	RSD	RSD	RSD			
Dec-25	U- 3	RSD	RSD	RSD	RSD	RSD	RSD	RSD	RSD	RSD
	U- 4	42	41	43	1175	228	37.110	276.480	740561	2.68
	U- 5	41	40	43	1161	230	37.210			

Manual Ambient Air Quality Monitoring Report PeriodJul-2025 to Dec-2025

Month	Location	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	Pb (µg/m3)	NH ₃ (µg/m3)	CO (µg/m3)	O ₃ (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

2 X 500MW

MONTHLY UTILISATION OF FLY ASH AT BHSAWAL TPS FOR THE PERIOD Jul-2025 TO Dec-2025

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 Uti	Total Ash Uti (MT)	Dry Fly Ash Uti (%)	Total ASH UTI (%)
						Fly Ash Qty Lifted By 80% offtakers (Cement Companies and Others)	Fly Ash Qty Lifted By 20% offtankers (SSI)	Total DFA Utilization	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)				
Jul-25	488274.00	38.04	185739.43	55721.83	130017.60	99655.94	29134.80	128790.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132495.98	99.06	71.33
Aug-25	440049.00	38.57	169726.90	50918.00	118808.90	88804.52	27803.46	116607.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121509.18	98.14	71.60
Sep-25	411301.00	38.18	157034.72	47110.42	109924.31	94205.00	29571.44	123776.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130200.44	112.60	82.91
Oct-25	140083.00	38.47	53889.93	16166.98	37722.95	36895.72	9694.70	46590.42	0.00	11394.66	0.00	0.00	0.00	0.00	0.00	11394.66	61209.64	123.51	113.58
Nov-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec-25	221184.00	40.98	90641.20	27192.36	63448.84	41803.11	17610.60	59413.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61900.47	93.64	68.29
TOTAL	1700891.00		657032.18	197109.59	459922.60	361364.29	113815.00	475179.29	0.00	11394.66	0.00	0.00	0.00	0.00	0.00	11394.66	507315.71	103.32	77.21

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



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		

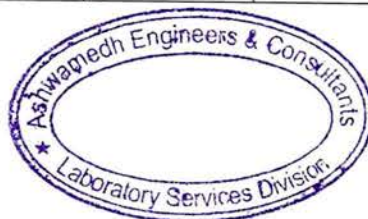
Chemical Testing; Group: Water, Residues in Water

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]

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





TC-5509



ULR-TC550925000052200F

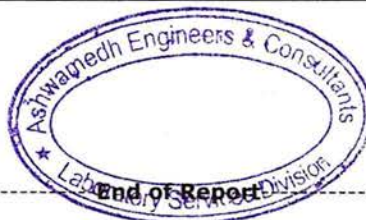
Sample ID : W/12/25/0111	Report No.: W/12/25/0111	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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 G 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.

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



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

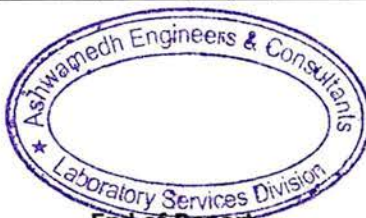
Physical & Chemical Parameters

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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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

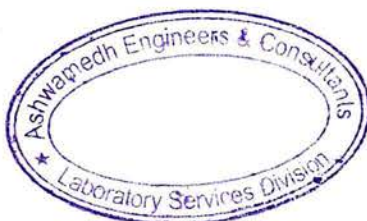
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

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 II):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- 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-TC550925000052201F

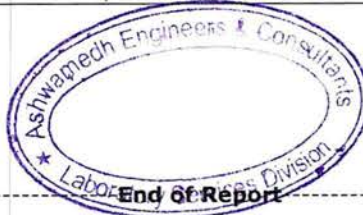
Sample ID : W/12/25/0112	Report No.: W/12/25/0112	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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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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

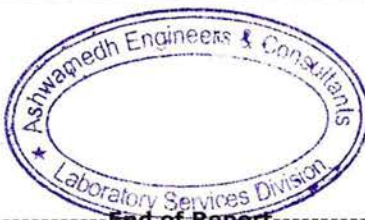
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA, 24th Ed. 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	672	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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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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

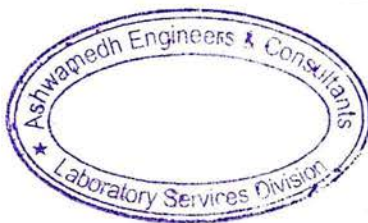
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

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, 8, 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- 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-TC550925000052202F

Sample ID : W/12/25/0113	Report No.: W/12/25/0113	Report Date	13/12/2025
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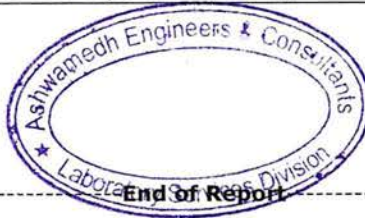
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	213	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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 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)	0.132	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

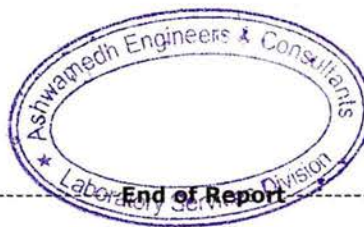
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	674	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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		

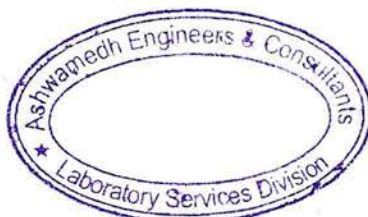
Chemical Testing; Group: Water, Residues in Water

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., 5220, B, 544:2023
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

(Signature)

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





TC-5509



ULR-TC550925000052204F

TEST REPORT

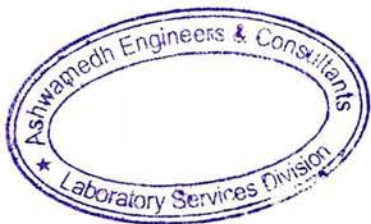
Sample ID : W/12/25/0115	Report No.: W/12/25/0115	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / 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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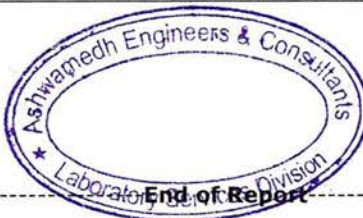
Sample ID : W/12/25/0115	Report No.: W/12/25/0115	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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 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)	0.122	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

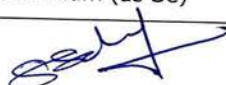
Sample ID : W/12/25/0116	Report No.: W/12/25/0116	Report Date	13/12/2025
Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / 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		

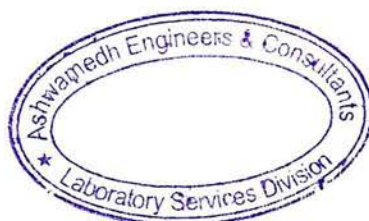
Chemical Testing; Group: Water, Residues in Water

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



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

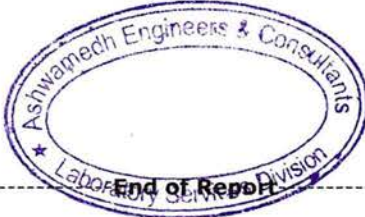
Physical & Chemical Parameters

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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Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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4. There are no additions to, deviations or exclusions from the method.





TC-5509



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		

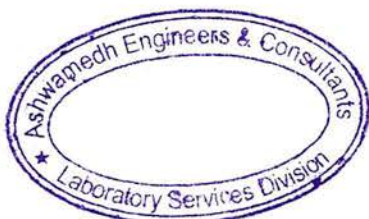
Chemical Testing; Group: Water, Residues in Water

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 II):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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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 18):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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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550925000052207F

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 (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

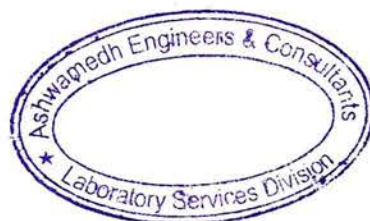
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

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

1.	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 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	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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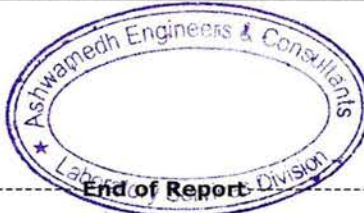
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	217	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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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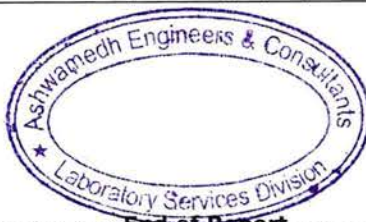
TEST REPORT

Sample ID : W/12/25/0118	Report No.: W/12/25/0118N	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 (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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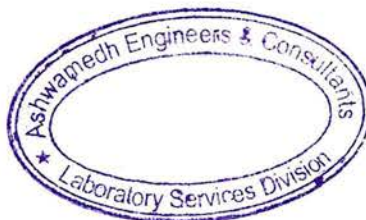
ULR-TC550925000052208F

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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TC-5509



ULR-TC550925000052208F

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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Note:

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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 (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.	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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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		

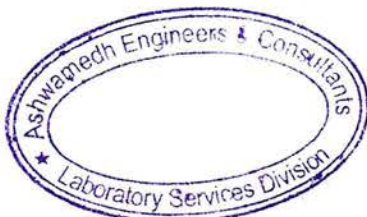
Chemical Testing; Group: Water, Residues in Water

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 II):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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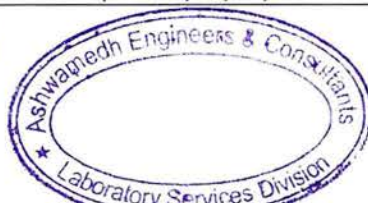
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	216	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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

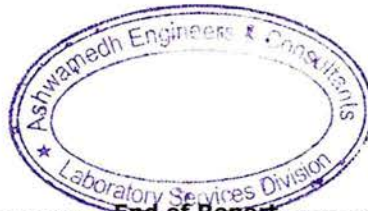
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA-24th Ed.4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	738	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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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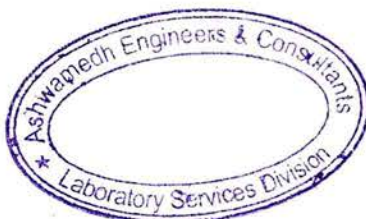
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TEST REPORT

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 (Grampanchyat 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 NO3-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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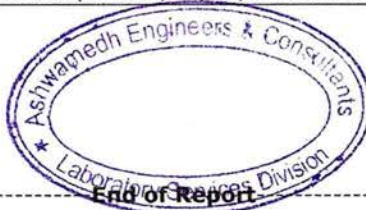
Sample ID : W/12/25/0121	Report No.: W/12/25/0121	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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

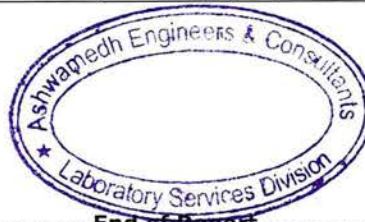
Physical & Chemical Parameters

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		

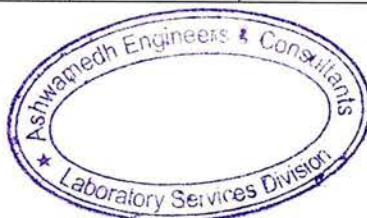
Chemical Testing; Group: Water, Residues in Water

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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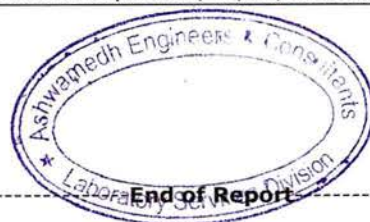
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	131	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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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- 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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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		

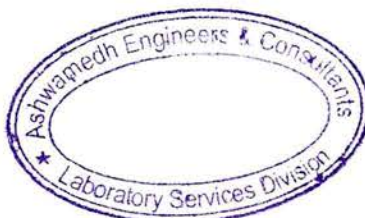
Chemical Testing; Group: Water, Residues in Water

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 II):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- 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-TC550925000052212F

Sample ID : W/12/25/0123	Report No.: W/12/25/0123	Report Date	13/12/2025
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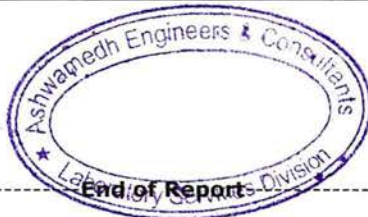
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	130	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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

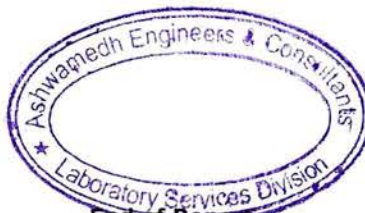
Physical & Chemical Parameters

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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ULR-TC550925000052213F

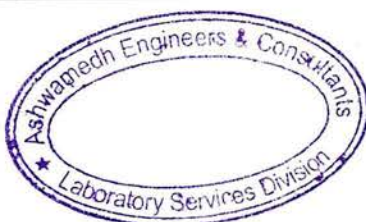
TEST REPORT

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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Sample ID : W/12/25/0124	Report No.: W/12/25/0124	Report Date	13/12/2025
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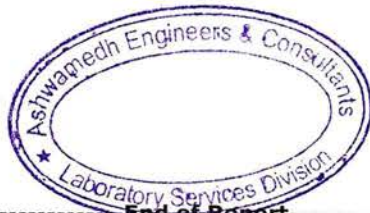
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	129	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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

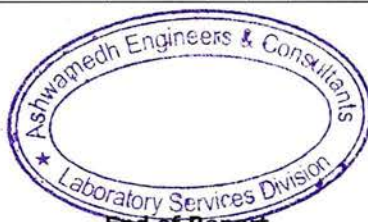
Physical & Chemical Parameters

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

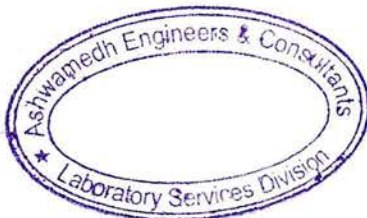
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Name and Address of Customer	Maharashtra State Power Generation Company Ltd. 2 x 500 MW, Bhusawal Thermal Power Station, Deepnagar, Tal. Bhusawal, Dist. Jalgaon - 425307, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ground Water
Sampling Location	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- NO ₃ -N, 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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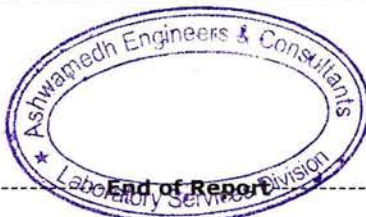
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	128	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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 G 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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Note:

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4. 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

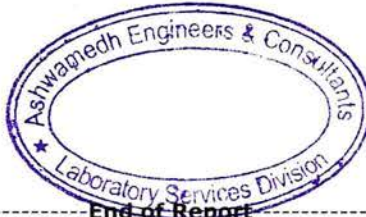
Physical & Chemical Parameters

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		

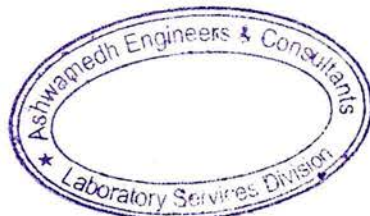
Chemical Testing; Group: Water, Residues in Water

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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Engineers & Consultants

Laboratory Services Division

Ashwamedh Engineers & Consultants

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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

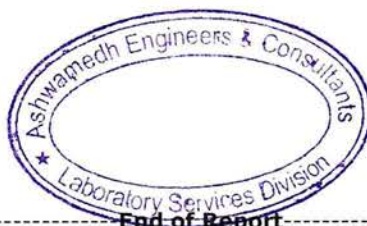
Physical & Chemical Parameters

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





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 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 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)	0.118	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

[Signature]

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Section In-charge (Chemical),
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Note:

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





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		

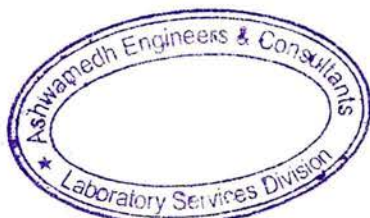
Chemical Testing; Group: Water, Residues in Water

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 II):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- NO ₃ -N, 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-TC550925000052216F

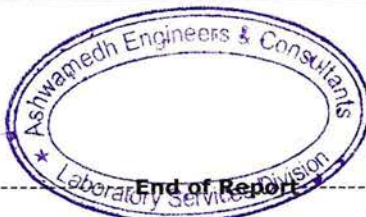
Sample ID : W/12/25/0127	Report No.: W/12/25/0127	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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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**Note:**

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OTEST 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

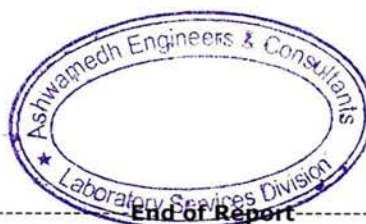
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	576	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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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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 II):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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ULR-TC550925000052217F

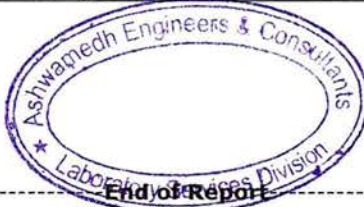
Sample ID : W/12/25/0128	Report No.: W/12/25/0128	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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 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)	0.096	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

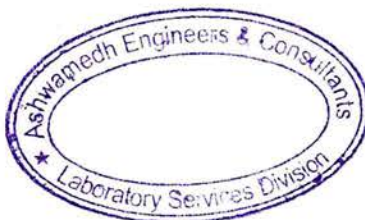
TEST REPORT

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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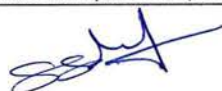
ULR-TC550925000052218F

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

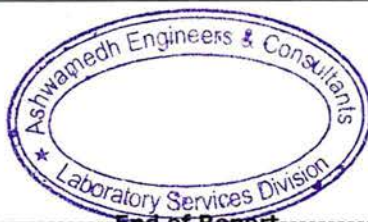
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA, 24th Ed., 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	862	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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		

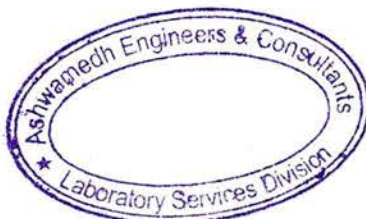
Chemical Testing; Group: Water, Residues in Water

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 -N, 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

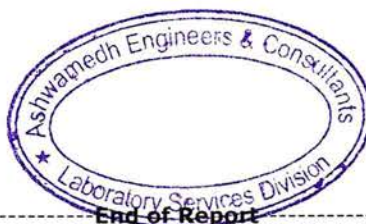
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed., 4500- Cl.G. 357: 2023
3.	Fixed Dissolved Solid	620	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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		

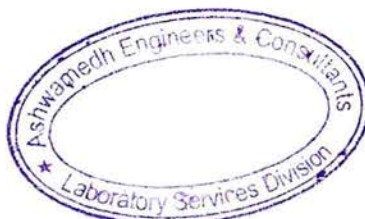
Chemical Testing; Group: Water, Residues in Water

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 II):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

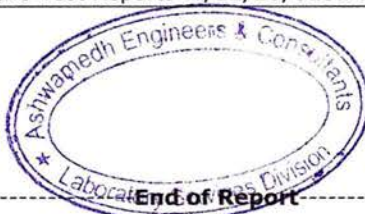
Sample ID : W/12/25/0131	Report No.: W/12/25/0131	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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- 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

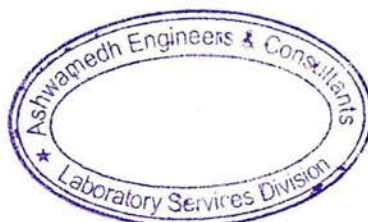
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	640	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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		

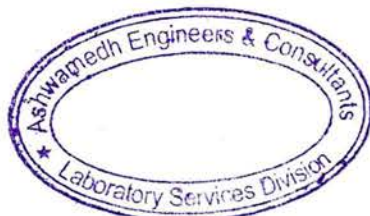
Chemical Testing; Group: Water, Residues in Water

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- NO ₃ -N, 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 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)	0.093	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

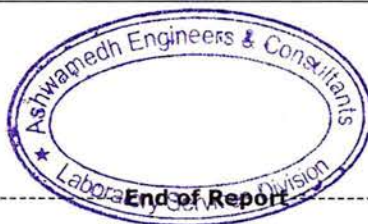
Physical & Chemical Parameters

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		

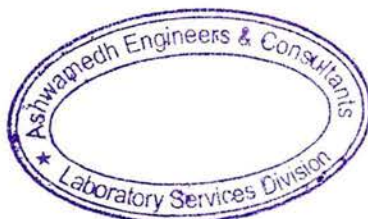
Chemical Testing; Group: Water, Residues in Water

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

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ULR-TC550925000052222F

Sample ID : W/12/25/0133	Report No.: W/12/25/0133	Report Date	13/12/2025
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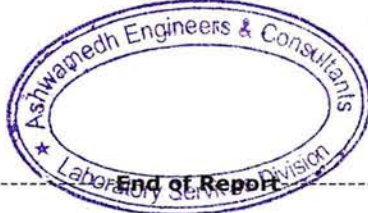
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
18.	Sulphate (as SO ₄)	150	Max. 200	Max.400	mg/L	ISO 15923-1:2017
19.	Sulphide (as H ₂ S)	BLQ (LOQ:0.025)	Max. 0.05	No relaxation	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



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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

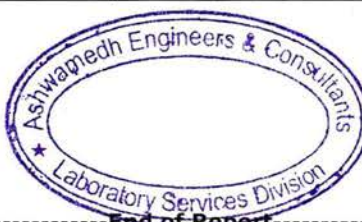
Physical & Chemical Parameters

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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End of Report

Note:

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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

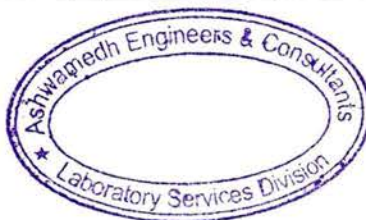
Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		

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

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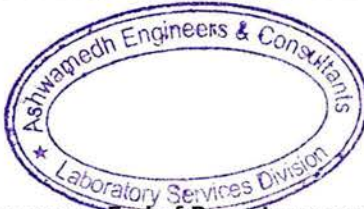
Sample ID : W/12/25/0134	Report No.: W/12/25/0134	Report Date	13/12/2025
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Sr. No.	Parameter	Result	Drinking Water Specification as per IS 10500: 2012		Unit	Method
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source		
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

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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 (Grampanchyat 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

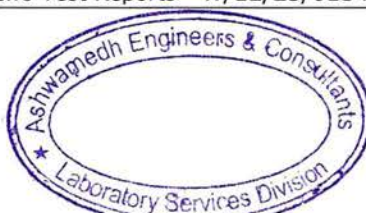
1.	Chromium (Trivalent)	BLQ (LOQ:0.02)	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
2.	Total Residual Chlorine	BLQ (LOQ:0.05)	Not specified	Not specified	mg/L	APHA 24th Ed. 4500- Cl.G, 357: 2023
3.	Fixed Dissolved Solid	560	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

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.

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