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)

MAHAGENCO
Maharashtra State Power Generation Co. Ltd.
CIN: U40100MH2005SGC153648

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: 21 JUL 2026

No - 0972

To,
Director,
Integrated Regional Office (IRO),
MoEF&CC, Ground floor, East wing,
New Secretariat Building,
Civil lines, Nagpur-440001.
Email: apccfcentral-ngp-mef@gov.in

Subject: Updated status of compliance of Environmental Clearance Conditions pertains to 2x500MW Bhusawal Thermal Power plant six monthly report (Jan-2026 to Jun-2026).
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 Jan-2026 to Jun-2026 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 a Sewage Treatment Plant (STP) with a capacity of 1,000 m^3/day, which is currently in operation. Effluent standards are maintained as per the consent norms. The treated sewage effluent is utilized for gardening, and the remaining quantity is used for ash disposal. An Effluent Treatment Plant (ETP) with a capacity of 855 m^3/hr has also been provided and is in operation. Effluent standards are maintained as per the consent norms, and the treated effluent is utilized for ash disposal and other plant activities at the 2 × 500 MW units. The operation and maintenance of both the STP (500 MW) and ETP (500 MW) are carried out through a third-party Annual Operation and Maintenance (O&M) contract. Bhusawal TPS has provided an Ash Water Recovery (AWR) System, which was commissioned on 20.02.2017 and is currently in operation. BTPS has achieved Zero Liquid Discharge (ZLD). Clear water is continuously recovered from the Ash Water Recovery System and is utilized for ash disposal. The operation and maintenance of

		the recovery system are carried out through an annual contract. All conditions stipulated by the Maharashtra Pollution Control Board (MPCB) in the Consent to Establish have been complied with 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/Nm3 and ammonia dozing system in unit 2 shall be completed by December 2007 to limit the particulate emission within 150 mg/Nm3. In case of the proposed new units, it shall not exceed 100 mg/Nm3.	Presently Bhusawal TPS has maintaining the SPM Emission level of Old Unit i.e. Unit No.3 (210MW) below 100 mg/Nm3 and of new Units i.e. Unit No. 4 & 5 (2X500MW) below 50 mg/Nm3. 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 Jan-2026 to Jun-2026 is 92.74 %. (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.	Ministry of Environment, Forest and Climate Change (MoEF&CC), vide Notification dated 21.05.2020, amended the earlier provisions requiring the use of blended/beneficiated coal with ash content below 34% based on distance criteria. Under the revised provisions, Thermal Power Plants are permitted to use coal without any stipulations as regards ash content or distance, subject to ensure compliance with the prescribed environmental norms relating to emissions, ash utilization and management, and covered transportation of coal through railways, conveyors, or covered trucks, as applicable. Bhusawal Thermal Power Station is taking necessary measures and complying with these applicable requirements. So, the stipulated condition of use of coal by thermal power plant shall not exceed 0.6 % sulphur and 34 % Ash content, shall no longer be applicable henceforth. Kind consideration please.
6	Rainwater harvesting shall be practiced. A details scheme for rainwater harvesting to recharge the ground water aquifer shall be prepared	Natural rainwater runoff is collected through a dedicated collection channel and stored in a storm water storage tank of 3,300 m^3 capacity for groundwater recharge through percolation. Excess rainwater is

	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.	utilized for plant activities. The rainwater harvesting scheme was prepared in consultation with the Central Ground Water Board (CGWB), Nagpur, during the project planning stage and has been implemented accordingly.
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, SO2 & NOx and the system is connected to CPCB/ MPCB server.
9	Electrostatic Precipitators (ESPs) with an efficiency of not less than 99.9% shall be installed to limit particulate emission within 100 mg/Nm3. Automatic system for shutting down the power plant in the event of non-functioning of ESPs shall be installed.	Bhusawal TPS has provided ESPs with 72 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.	Bhusawal TPS is in the process of complying with the afforestation condition by carrying out plantation activities on 100 acres of forest land in consultation with the State Forest Department.
12	First aid and sanitations arrangements shall be made for the drivers and other contract workers during construction phase.	All required facilities were provided during the project implementation 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.	Complied. Personal protective equipment (PPE), such as earplugs and earmuffs, is provided to personnel working in high-noise areas. Regular maintenance of equipment is carried out to control noise levels. Noise level monitoring is conducted once every month through an MoEF&CC-approved agency, and the Leq noise level is maintained

		within the prescribed limit of 75 dBA.
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.	Ambient Air Quality (AAQ) monitoring is regularly carried out at four (04) locations inside and outside the power plant through an MoEF&CC-approved agency, twice a week. In addition, four (04) Continuous Ambient Air Quality Monitoring Stations (CAAQMS) have been installed in the plant and colony premises. Monitoring records are maintained, and periodic reports are submitted as stipulated. (AAQ Reports 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 is fully operational and functioning. 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. Bhusawal TPS has provided Separate Environment Monitoring Cell with suitable qualified staff.
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	Complied.

	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 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.	Noted, Full cooperation is extended to officials of MoEF&CC, CPCB, and MPCB during all inspections and monitoring visits.
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	Complied.

	Hazardous Chemical Rules, 1989, Hazardous wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and amendments and rules made there under.	

BTPS is taking all out efforts for implementation of conditions stipulated in Environmental clearance and Consent to Operate Conditions as per MPCB/ CPCB/ MoEF&CC Norms. So, it is requested kindly consider the compliance sympathetically.

Chief Engineer (O&M)
BTPS, Deepnagar

Encl: As stated above

Copy s. w. r. to:

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

Copy to:

1. The Regional officer, MPCB, Udyog Bhavan, 1stfloor, Trimbak Road, Near I.T.I. Satpur, Nasik-422007.
2. Regional Director, CPCB Pune, Raw House No 1, Sanjivani Nisarg, Balewadi, Pune, Maharashtra 411045.
3. Sub-Regional Officer, Jalgaon, MPCB office, Hall "A" 3rd Floor, B. J. Market, Jalgaon-425001.
4. Chief Engineer (E&S), MSPGCL, Mumbai-51.

Manual Ambient Air Quality Monitoring Report Period Jan-2026 to Jun-2026

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)
Jan-26	ETP (500MW)	27.25	68.00	20.11	24.96	BLQ	24.14	1.06	26.81	BLQ	1.09	4.56	1.10
	Fire fighting House (500MW)	31.00	72.25	22.80	27.60	BLQ	23.65	1.23	27.75	BLQ	1.09	4.76	1.12
	New Guest House	25.25	56.13	15.71	22.28	BLQ	22.38	0.94	24.98	BLQ	1.02	4.00	1.05
	Pimprisekam Railway Gate	29.63	72.00	21.83	26.91	BLQ	23.53	1.15	28.70	BLQ	1.08	5.52	1.12
Feb-26	ETP (500MW)	24.00	65.25	18.51	23.01	BLQ	22.70	0.99	26.83	BLQ	1.10	3.97	1.12
	Fire fighting House (500MW)	25.25	66.38	20.35	28.99	BLQ	22.88	1.16	26.19	BLQ	1.07	4.14	1.18
	New Guest House	22.88	54.38	18.16	22.48	BLQ	22.26	0.88	24.04	BLQ	1.07	3.77	1.04
	Pimprisekam Railway Gate	28.38	71.75	21.59	25.78	BLQ	24.44	1.16	27.88	BLQ	1.13	4.39	1.21
Mar-26	ETP (500MW)	23.50	62.88	19.04	23.58	BLQ	24.56	1.00	27.83	BLQ	1.08	4.00	1.04
	Fire fighting House (500MW)	25.75	64.50	19.99	26.38	BLQ	23.88	1.03	28.75	BLQ	1.06	4.12	1.24
	New Guest House	23.00	55.25	17.51	21.86	BLQ	22.44	0.86	26.95	BLQ	1.04	3.67	0.97
	Pimprisekam Railway Gate	23.00	55.25	17.51	21.86	BLQ	22.44	0.86	26.95	BLQ	1.04	3.67	0.97
Apr-26	ETP (500MW)	27.75	69.50	21.81	27.00	BLQ	29.20	1.09	23.18	BLQ	1.13	3.90	1.15
	Fire fighting House (500MW)	28.25	71.88	23.65	31.20	BLQ	29.35	1.17	22.73	BLQ	1.12	4.27	1.20
	New Guest House	26.00	61.50	22.51	25.90	BLQ	27.40	0.84	23.18	BLQ	1.08	3.79	1.08
	Pimprisekam Railway Gate	31.75	80.13	24.49	29.30	BLQ	30.09	1.16	25.44	BLQ	1.13	4.97	1.18
May-26	ETP (500MW)	27.25	67.38	20.45	25.60	BLQ	27.85	1.09	22.73	BLQ	1.16	3.97	1.10
	Fire fighting House (500MW)	30.00	73.63	23.08	30.00	BLQ	30.40	1.15	22.08	BLQ	1.10	4.38	1.19
	New Guest House	25.38	58.75	18.58	23.70	BLQ	26.80	0.85	22.15	BLQ	1.07	3.71	1.08
	Pimprisekam Railway Gate	30.88	73.63	21.66	26.40	BLQ	30.54	1.12	24.04	BLQ	1.10	4.55	1.12
Jun-26	ETP (500MW)	25.25	64.88	19.90	24.30	BLQ	26.95	1.07	22.56	BLQ	1.16	1.06	3.77
	Fire fighting House (500MW)	24.00	68.38	21.78	30.35	BLQ	27.10	1.13	22.04	BLQ	1.09	1.18	4.09
	New Guest House	23.38	58.88	20.71	24.69	BLQ	25.65	0.92	22.88	BLQ	1.11	1.05	3.55
	Pimprisekam Railway Gate	28.88	72.75	22.36	24.21	BLQ	26.97	1.15	24.76	BLQ	1.11	1.12	4.09

Data required for submission of six monthly compliance report of EC Conditions of Bhusawal TPS (2X500MW)

1. Data of Ash %, Sulphur % in Coal used at BTPS.

Month	Unit-4		Unit-5		Stage III (2x500MW)	
	Ash % on AFB	Sulphur %	Ash % on AFB	Sulphur %	Ash % on AFB	Sulphur %
Jan-26	41.45	0.58	41.58	0.55	41.52	0.57
Feb-26	43.4	0.63	43.52	0.7	43.47	0.67
Mar-26	41.47	2.77	41.87	1.21	41.68	1.99
Apr-26	41.67	0.7	41.84	1.06	41.76	0.88
May-26	42.03	1.17	42.13	0.74	42.08	0.96
Jun-26	41.71	Pending	42.86	Pending	42.31	Pending

2. Coal used in BTPS in last six month - i.e. Raw Coal, Washed Coal, Imported Coal etc.

In Jan-2026 to Jun-2026 following coal used

Raw Coal: WCL, MCL, SECL, MCL-RSR

Imported Coal

Unit No. 4&5-2 X 500MW

MONTHLY UTILISATION OF FLY ASH AT BHSAWAL TPS FOR THE PERIOD Jan-2026 to Jun-2026

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)			Bottom Ash Utilization	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 / FERTILIZER (MT)	BRICKS / BLOCKS (MT)	Building/ CEMENT (MT)	ROAD / CONST. / EMBANKMENT (MT)	Ash Dyke Raising/ embankment	LAND FILL / MINE FILL (MT)	ASBESTOS(MT)				
Jan-26	449881.00	41.35	186025.79	55807.74	130218.06	96655.39	34601.96	131257.4	3961.6	0.00	36626.3	0.00	0.00	0.00	0.00	0.00	36626.31	171845.26	100.80	92.38
Feb-26	393987.00	43.21	170241.78	51072.53	119169.25	79770.41	25647.88	105418.3	7833.42	0.00	21318.7	0.00	0.00	0.00	0.00	0.00	21318.66	134570.37	88.46	79.05
Mar-26	444229.00	41.84	185865.41	55759.62	130105.79	91021.87	30756.93	121778.8	6102.72	0.00	18751.2	0.00	0.00	0.00	0.00	0.00	18751.15	146632.67	93.60	78.89
Apr-26	426993.00	41.86	178739.27	53621.78	125117.49	89006.60	22359.48	111366.08	8661.32	0.00	9561.37	0.00	0.00	0.00	0.00	0.00	9561.37	129588.77	89.01	72.50
May-26	415059.00	42.49	176358.57	52907.57	123451.00	70970.92	28964.13	99935.05	7031.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106966.67	80.95	60.65
Jun-26	428620.00	42.62	182677.84	54803.35	127874.49	99857.30	31454.14	131311.44	3322.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	134634.02	102.69	73.70
TOTAL	**2558769.00**		**1079908.67**	**323972.60**	**755936.07**	**527282.49**	**173784.52**	**701067.01**	**36913.26**	**0.00**	**86257.49**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**86257.49**	**824237.76**	**92.74**	**76.32**

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

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						
Jan-26	U- 3	RSD	RSD	RSD	RSD	RSD	RSD	RSD	RSD	RSD
	U- 4	43	42	44	1144	231	73.449	545.310	1574033	2.89
	U- 5	43	42	44	1167	229	73.294			
Feb-26	U- 3	85	85	85	816	238	6.694	9.446	70936	7.51
	U- 4	43	41	44	1151	229	66.818	492.484	1444580	2.93
	U- 5	44	41	45	1176	233	79.755			
Mar-26	U- 3	130	109	154	950	243	59.937	93.645	467446	4.99
	U- 4	44	41	43	1174	235	72.861	576.921	1703884	2.95
	U- 5	44	42	44	1205	234	82.226			
Apr-26	U- 3	110	108	114	968	239	35.136	53.125	257370	4.84
	U- 4	43	42	41	1184	230	78.631	570.070	1537688	2.70
	U- 5	43	41	44	1195	233	79.722			
May-26	U- 3	109	107	112	960	235	62.657	97.895	405661	4.14
	U- 4	44	43	44	1177	232	74.958	556.000	1542055	2.77
	U- 5	43	42	43	1180	232	74.606			
Jun-26	U- 3	114	112	116	996	235	67.130	102	424692	4.18
	U- 4	43	42	44	1185	227	73.326	551.634	1456647	2.64
	U- 5	43	42	45	1207	232	79.906			

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TC-5509

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sales@ashwamedh.net +91-253-2392225

ULR-TC550926000014561F **TEST REPORT**

Sample ID: W/06/26/0280	Report No.: W/06/26/0280	Report Date	17/06/2026
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 - Susri (Mr. Nivrutti Namdev Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**28**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.66**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**6**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**10**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**590**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**0.215**	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)	**4.5**	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
18.	Sulphate (as SO4)	**99.6**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014561F

Sample ID: W/06/26/0280	Report No.: W/06/26/0280	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
23.	Zinc (as Zn)	**0.102**	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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)**	BLQ 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.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0280 bears two Test Reports, W/06/26/0280 and W/06/26/0280N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants
Laboratory Services Division

End of Report

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TEST REPORT

Sample ID : W/06/26/0280	Report No.: W/06/26/0280N	Report Date	17/06/2026
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 - Susri (Mr. Nivrutti Namdev Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G. 357: 2023
2.	Fixed Dissolved Solid	**420**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0280 bears two Test Reports - W/06/26/0280 and W/06/26/0280N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants * Laboratory Services Division *

End of Report

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ULR-TC550926000014562F **TEST REPORT**

Sample ID: W/06/26/0281	Report No.: W/06/26/0281	Report Date	17/06/2026
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-Sakari (Gram Panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**29.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.67**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.30**	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): 2023
6.	Chemical Oxygen Demand	**8**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**10**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**590**	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	**5.6**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**0.179**	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)	**4.55**	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
18.	Sulphate (as SO4)	**136**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014562F

Sample ID: W/06/26/0281	Report No.: W/06/26/0281	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
23.	Zinc (as Zn)	**0.102**	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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)	**0.026**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.077**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**0.026**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	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/06/26/0281 bears two Test Reports - W/06/26/0281 and W/06/26/0281N.

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End of Report

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TEST REPORT

Sample ID : W/06/26/0281	Report No.: W/06/26/0281N	Report Date	17/06/2026
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-Sakari (Gram Panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**420**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0281 bears two Test Reports - W/06/26/0281 and W/06/26/0281N.

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ULR-TC550926000014563F **TEST REPORT**

Sample ID: W/06/26/0282	Report No.: W/06/26/0282	Report Date	17/06/2026
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 Village- Jadgaon (Mr. Sambhaji Rajendra Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**30.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.67**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**7**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**14**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**556**	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	**5.6**	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)	**0.59**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06**	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)	**4.48**	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
18.	Sulphate (as SO4)	**139**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014563F

Sample ID: W/06/26/0282	Report No.: W/06/26/0282	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.087**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0282 bears two Test Reports: W/06/26/0282 and W/06/26/0282N.

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End of Report

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TEST REPORT

Sample ID : W/06/26/0282	Report No.: W/06/26/0282N	Report Date	17/06/2026
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 Village- Jadgaon (Mr. Sambhaji Rajendra Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G. 357: 2023
2.	Fixed Dissolved Solid	**438**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0282 bears two Test Reports - W/06/26/0282 and W/06/26/0282N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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Laboratory Services Division

End of Report

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ULR-TC550926000014564F **TEST REPORT**

Sample ID: W/06/26/0283	Report No.: W/06/26/0283	Report Date	17/06/2026
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 Village- Kathora (Mr. Vitthal Eknath Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**29.2**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.69**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.29**	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): 2023
6.	Chemical Oxygen Demand	**6**	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	**592**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.5**	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
18.	Sulphate (as SO4)	**141**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014564F

Sample ID: W/06/26/0283	Report No.: W/06/26/0283	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3. B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)	**0.011**	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)	**0.022**	BLQ 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.	Chromium (Trivalent)	**0.022**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	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/06/26/0283 bears two Test Reports - W/06/26/0283 and W/06/26/0283N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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End of Report

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TEST REPORT

Sample ID : W/06/26/0283	Report No.: W/06/26/0283N	Report Date	17/06/2026
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 Village- Kathora (Mr. Vitthal Eknath Patil)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**424**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0283 bears two Test Reports - W/06/26/0283 and W/06/26/0283N.

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ULR-TC550926000014565F **TEST REPORT**

Sample ID: W/06/26/0284	Report No.: W/06/26/0284	Report Date	17/06/2026
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 Village- Manyarkheda (Mr. Prashant Bonde)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature		-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.56**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**9**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**12**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**590**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**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
18.	Sulphate (as SO4)	**95.4**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014565F

Sample ID: W/06/26/0284	Report No.: W/06/26/0284	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.086**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0284 bears two Test Reports - W/06/26/0284 and W/06/26/0284N.

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TEST REPORT

Sample ID : W/06/26/0284	Report No.: W/06/26/0284N	Report Date	17/06/2026
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 Village- Manyarkheda (Mr. Prashant Bonde)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**420**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0284 bears two Test Reports - W/06/26/0284 and W/06/26/0284N.

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ULR-TC550926000014566F **TEST REPORT**

Sample ID: W/06/26/0285	Report No.: W/06/26/0285	Report Date	17/06/2026
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 Village- Susari (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**28.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.57**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.31**	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): 2023
6.	Chemical Oxygen Demand	**7**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**14**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**584**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**5.3**	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3.B, 434: 2023
17.	Selenium (as Se)	**BLQ (LOQ:0.005)**	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
18.	Sulphate (as SO4)	**99.6**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014566F

Sample ID: W/06/26/0285	Report No.: W/06/26/0285	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3. B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)	**0.022**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.077**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**0.022**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0285 bears two Test Reports - W/06/26/0285 and W/06/26/0285N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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TEST REPORT

Sample ID : W/06/26/0285	Report No.: W/06/26/0285N	Report Date	17/06/2026
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 Village- Susari (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**420**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0285 bears two Test Reports - W/06/26/0285 and W/06/26/0285N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC550926000014567F **TEST REPORT**

Sample ID: W/06/26/0286	Report No.: W/06/26/0286	Report Date	17/06/2026
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 Village- Sakari (Mr. Milind Jagannath Nehete)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**29.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.63**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.30**	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): 2023
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	**530**	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	**5.6**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.78**	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
18.	Sulphate (as SO4)	**99.1**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014567F

Sample ID: W/06/26/0286	Report No.: W/06/26/0286	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3. B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.110**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0286 bears two Test Reports - W/06/26/0286 and W/06/26/0286N.

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Reviewed & Authorised by

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TEST REPORT

Sample ID: W/06/26/0286	Report No.: W/06/26/0286N	Report Date	17/06/2026
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 Village- Sakari (Mr. Milind Jagannath Nehete)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	16/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**404**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0286 bears two Test Reports - W/06/26/0286 and W/06/26/0286N.

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Technical Manager (Chemical)
Reviewed & Authorised by

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ULR-TC550926000014568F **TEST REPORT**

Sample ID: W/06/26/0287	Report No.: W/06/26/0287	Report Date	18/06/2026
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 Village- Velhala (Mr.Prabhakar Talele)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**28.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.74**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**7**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**10**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**542**	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)	**0.59**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**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
18.	Sulphate (as SO4)	**142**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014568F

Sample ID: W/06/26/0287	Report No.: W/06/26/0287	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.011**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	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/06/26/0287 bears two Test Reports - W/06/26/0287 and W/06/26/0287N.

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TEST REPORT

Sample ID: W/06/26/0287	Report No.: W/06/26/0287N	Report Date	18/06/2026
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 Village- Velhala (Mr.Prabhakar Talele)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G. 357: 2023
2.	Fixed Dissolved Solid	**418**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0287 bears two Test Reports - W/06/26/0287 and W/06/26/0287N.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by

Ashwamedh Engineers & Consultants
Laboratory Services Division

End of Report

Note:
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ULR-TC550926000014569F **TEST REPORT**

Sample ID: W/06/26/0288	Report No.: W/06/26/0288	Report Date	18/06/2026
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 Village-Velhala (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**29.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.70**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.29**	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): 2023
6.	Chemical Oxygen Demand	**7**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**12**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**584**	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)	**0.59**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.53**	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
18.	Sulphate (as SO4)	**98.8**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014569F

Sample ID: W/06/26/0288	Report No.: W/06/26/0288	Report Date	17/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3. B & C, 424 & 425 or F, 429 & 4500-N org. B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-1: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-1: 2021
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)	**0.012**	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)	**0.024**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.100**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**0.024**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0288 bears two Test Reports - W/06/26/0288 and W/06/26/0288N.

Ninad Soundankar
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Laboratory Services Division

End of Report

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TEST REPORT

Sample ID: W/06/26/0288	Report No.: W/06/26/0288N	Report Date	18/06/2026
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 Village- Velhala (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**438**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0288 bears two Test Reports - W/06/26/0288 and W/06/26/0288N.

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ULR-TC550926000014570F **TEST REPORT**

Sample ID: W/06/26/0289	Report No.: W/06/26/0289	Report Date	18/06/2026
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 Village- Jadgaon (Mr. Shravan Ramlal Bodade)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**29.2**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.75**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**6**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**10**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**552**	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)	**0.63**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.3**	Not specified	Not specified	mg/L	APHA,24th Ed.,4500- NO3,B, 434: 2023
17.	Selenium (as Se)	**BLQ (LOQ:0.005)**	Max. 0.01	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
18.	Sulphate (as SO4)	**136**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014570F

Sample ID: W/06/26/0289	Report No.: W/06/26/0289	Report Date	18/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-1: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-1: 2021
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)**	BLQ 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.	Chromium (Trivalent)	**BLQ (LOQ:0.02)**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0289 bears two Test Reports - W/06/26/0289 and W/06/26/0289N.

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End of Report

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TEST REPORT

Sample ID: W/06/26/0289	Report No.: W/06/26/0289N	Report Date	18/06/2026
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 Village- Jadgaon (Mr. Shravan Ramlal Bodade)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**420**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0289 bears two Test Reports - W/06/26/0289 and W/06/26/0289N.

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ULR-TC550926000014571F **TEST REPORT**

Sample ID: W/06/26/0290	Report No.: W/06/26/0290	Report Date	18/06/2026
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- Kinhi (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**28.2**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.70**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.30**	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): 2023
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	**574**	Max. 500	Max. 2000	mg/L	IS 3025 (Part 16): 2023
9.	Dissolved Oxygen	**5.6**	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)	**0.61**	Max. 1	- Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.43**	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
18.	Sulphate (as SO4)	**139**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014571F

Sample ID: W/06/26/0290	Report No.: W/06/26/0290	Report Date	18/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)	**0.023**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.100**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**0.023**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	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/06/26/0290 bears two Test Reports - W/06/26/0290 and W/06/26/0290N.

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End of Report

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TEST REPORT

Sample ID: W/06/26/0290	Report No.: W/06/26/0290N	Report Date	18/06/2026
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- Kinhi (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**436**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification.
Note: Sample ID W/06/26/0290 bears two Test Reports - W/06/26/0290 and W/06/26/0290N.

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ULR-TC550926000014572F **TEST REPORT**

Sample ID: W/06/26/0291	Report No.: W/06/26/0291	Report Date	18/06/2026
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 Village - Kinhi (Gram panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Temperature	**28.5**	-	-	°C	IS 3025 (Part 9):2023
2.	Colour	**1**	Max. 5	Max.15	Hazen Units	IS 3025 (Part 4), Method No.4: 2021
3.	pH Value	**7.61**	6.5 - 8.5	No relaxation	-	IS 3025 (Part 11):2022
4.	Turbidity	**0.28**	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): 2023
6.	Chemical Oxygen Demand	**8**	Not specified	Not specified	mg/L	APHA, 24th Ed.,5220, B, 544:2023
7.	Total Suspended Solids	**12**	Not specified	Not specified	mg/L	IS 3025 (Part 17),: 2022
8.	Total Dissolved Solids	**574**	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)	**0.60**	Max. 1	Max.1.5	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024
14.	Iron (as Fe)	**BLQ (LOQ:0.06)**	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)	**4.36**	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
18.	Sulphate (as SO4)	**146**	Max. 200	Max.400	mg/L	ISO-15923-2:2017/IS 3025 (Part 83):2024

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ULR-TC550926000014572F

Sample ID: W/06/26/0291	Report No.: W/06/26/0291	Report Date	18/06/2026

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		
19.	Sulphide (as H_2S)	**BLQ (LOQ:0.025)**	Max. 0.05	No relaxation	mg/L	IS 3025 (Part 29), Method No.2:2022
20.	Total Kjeldahl Nitrogen	**BLQ (LOQ:0.1)**	Not specified	Not specified	mg/L	APHA 24th Ed., 4500 NH3, B & C, 424 & 425 or F, 429 & 4500-N org, B 452:2023
21.	Phenolic Compounds (as C_6H_5OH)	**BLQ (LOQ:0.001)**	Max. 0.001	Max.0.002	mg/L	IS 3025 (Part 43)/Sec-I: 2022
22.	Total Phosphate (as P)	**0.92**	Not specified	Not specified	mg/L	ISO-15923-1:2017/IS 3025 (Part 82):2024
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-15923-1:2017/IS 3025 (Part 82):2024
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	IS 3025 (Part 27)/Sec-I: 2021
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)	**0.012**	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)	**0.026**	BLQ Max. 0.05	No relaxation	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
32.	Vanadium (as V)	**0.068**	Not specified	Not specified	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
33.	Chromium (Trivalent)	**0.026**	Not specified	Not specified	mg/L	IS 3025 (Part 2):2019/ISO 11885:2007
34.	Bioassay Test	**90 % 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/06/26/0291 bears two Test Reports - W/06/26/0291 and W/06/26/0291N.

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TEST REPORT

Sample ID: W/06/26/0291	Report No.: W/06/26/0291N	Report Date	18/06/2026
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 Village - Kinhi (Gramp panchayat)	Date – Sampling	09/06/2026
Sample Quantity/ Packing	10 L x 1 no. plastic can 1 L x 1 no. glass bottle	Date - Receipt of Sample	10/06/2026
Sampling Procedure	APHA 24th Ed., 2023, 1060 B, 44, IS 6582:1971	Date - Start of Analysis	10/06/2026
Order Reference	P.O. No. BTPS/4550028971 /No. 2308 dated 07.03.2026	Date - Completion of Analysis	17/06/2026

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 and Contaminants in Water						
Physical & Chemical Parameters						
1.	Total Residual Chlorine	**BLQ (LOQ:0.05)**	Not specified	Not specified	mg/L	APHA 24th Ed.,4500- Cl.G, 357: 2023
2.	Fixed Dissolved Solid	**442**	Not specified	Not specified	mg/L	IS 3025 (Part 18):1984

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification.
Note: Sample ID W/06/26/0291 bears two Test Reports - W/06/26/0291 and W/06/26/0291N.

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