



Test Report

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Sample Number : SKSAW/05

Name & Address of the Party : M/s NTPC Limited.

1007 Tanda Super Thermal Power Project, P.O.: Vidyut
Nagar, Ambedkar Nagar, Uttar Pradesh, India- 224238

Report No. : SKS/W/2605130006

Format No : 7.8 F 03

Party Reference No : 4000321546-057-1019

Reporting Date : 20/05/2026

Period of Analysis : 13/05/2026-18/05/2026

Receipt Date : 13/05/2026

Sampling Date : 08/05/2026

Sample Quantity : 5.0 Ltrs. + 250 ml

Sample Type : Grab

Name of Sample

: Ground Water

Sample Group

: Water/Residues and contaminants in Water

Location

: NTPC Township Pump House No.- 1

Sample Collected by

: Mr. Virendra Pandey

Environmental Condition

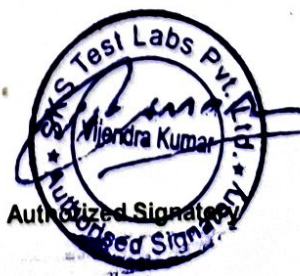
: 25±2°C

Sampling and Analysis

: APHA & IS

Protocol

S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
Discipline : Chemical						
1	pH (at 25 °C)	IS:3025 (Part-11)	7.40	-	6.5-8.5	No relaxation
2	Electrical conductivity	IS:3025 (Part-14)	608.35	µS/cm	--	--
3	Colour	IS:3025 (Part-4)	BLQ(LOQ-1.0)	Hazen Unit	5	15
4	Total Hardness (as CaCO3),Max	IS:3025 (Part-21)	136.00	mg/L	200	600
5	Calcium (as Ca),Max	IS:3025 (Part-40)	42.82	mg/L	75	200
6	Total Alkalinity (as CaCO3),Max	IS:3025 (Part-23)	115.36	mg/L	200	600
7	Chloride (as Cl),Max	IS:3025 (Part-32)	13.84	mg/L	250	1000
8	Magnesium (as Mg),Max	APHA 3500 Mg B	7.08	mg/L	30	100
9	Silica (as Si)	IS:3025 (Part-35)	8.16	mg/L	--	--
10	Total Suspended Solids	IS:3025 (Part-17)	BLQ(LOQ-1.0)	mg/L	--	--
11	Temperature	IS:3025 (Part-9)	33.8	°C	--	--
12	Total Dissolved Solids (at 180°C),Max	IS:3025 (Part-16)	389	mg/L	500	2000
13	Sulphate (as SO4), Max	IS:3025 (Part-24)	15.63	mg/L	200	400
14	Fluoride (as F),Max	APHA 4500 F D	0.32	mg/L	1.0	1.5



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S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
15	Nitrate (as NO ₃),Max	IS: 3025 (P- 34)	4.96	mg/L	45	No relaxation
16	Iron (as Fe),Max	IS: 3025 (P- 53)	0.065	mg/L	1.0	No relaxation
17	Phenolic Compounds (as C ₆ H ₅ OH),Max	IS:3025 (Part-43)	BLQ(LOQ-0.001)	mg/L	0.001	0.002
18	Hexavalent Chromium (as Cr ₆ +)	IS:3025 (Part-52)	BLQ(LOQ-0.1)	mg/L	--	--
19	Zinc (as Zn),Max	APHA 24 th Edition, 3030 D, 3113 B	0.075	mg/L	5	15
20	Total Chromium (as Cr),Max	APHA 24th Edition, Method No. 3113 B	BLQ(LOQ-0.002)	mg/L	0.05	No Relaxation
21	Copper (as Cu),Max	APHA 24th Edition, Method No. , 3111 B	BLQ(LOQ-0.002)	mg/L	0.05	1.5
22	Cadmium (as Cd),Max	APHA 24th Edition, Method No. 3030 D, 3113 B	BLQ(LOQ-0.002)	mg/L	0.003	No relaxation
23	Lead (as Pb),Max	APHA 24th Edition, Method No. 3030 D, 3113 B	BLQ(LOQ-0.002)	mg/L	0.01	No relaxation
24	Selenium (as Se),Max	APHA 24 th Edition, 3113 C	BLQ(LOQ-0.001)	mg/L	0.01	No relaxation
25	Total Arsenic (as As),Max	APHA 24th Edition, Method No., 3114 C	BLQ(LOQ-0.005)	mg/L	0.01	No relaxation
26	Mercury (as Hg),Max	APHA 24th Edition, Method No., 3114 C	BLQ(LOQ-0.005)	mg/L	0.001	No relaxation
27	Sodium (as Na)	IS:3025 (P-45)	15.53	mg/L	--	--
28	Potassium (as K)	IS:3025 (P-45)	5.38	mg/L	--	--
29	Biochemical Oxygen Demand	IS:3025 (P-44)	BLQ(LOQ-2.0)	mg/L	--	--
30	Chemical Oxygen Demand	APHA 5220 B Open Reflux Method	BLQ(LOQ-4.0)	mg/L	--	--
31	Oil and Grease	IS:3025 (P-39)	BLQ(LOQ-4.0)	mg/L	--	--
32	Dissolved Oxygen(as DO)	APHA 4500 O B Iodometric Method:2017	6.7	mg/L	--	--



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Authorized Signatory



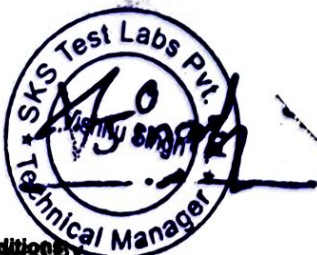
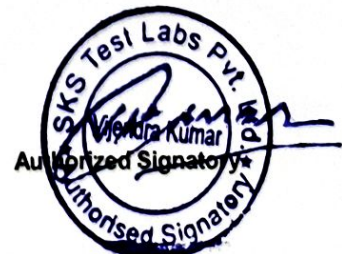
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S.No.	Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
					Acceptable Limit	Permissible Limits
33	Total Phosphorous	IS : 3025(P- 31)	BLQ(LOQ-0.2)	mg/L	--	--



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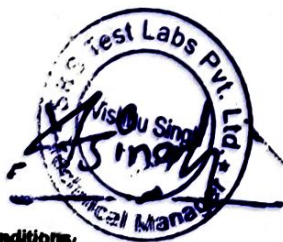
Sample Number : SKS/W/05

Report No. : SKS/W/2605130006

S.No.		Test Parameter	Test Method	Results	Units	Requirement as per IS:10500-2012	
						Acceptable Limit	Permissible Limits
Discipline : Biological							
34	Coliform		IS 15185	Absent	Per 100 ml	Shall not be detectable in any 100 ml sample	

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

End of Report

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