



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Sample Number:

Name & Address of the Client:

Sample Description:

Sample Group:

Location:

Sample Collected By:

Sampling and Analysis Protocol:

Parameter Required:

VEL/W/03

M/s NTPC Limited
1007 Tanda Super Thermal Power Project,
P.O. - Vidyut Nagar, Ambedkar Nagar,
Uttar Pradesh, India - 224238

Ground Water Sample

Water

NTPC Township Pump House No-2

VEL Representative (Mr. Virendra Pandey)

IS: 3025, APHA & STP

As Per Scope of Work

Test Report

Report No.:

Format No.:

Party Reference No.:

Reporting Date:

Period of Analysis:

Receipt Date:

Sampling Date:

Sampling Quantity:

Sampling Type:

Preservation:

VEL/W/2501100003

7.8 F-03

4000321546-057-1019

Dated : 30/11/2023

15/01/2025

10/01/2025 - 15/01/2025

10/01/2025

06/01/2025

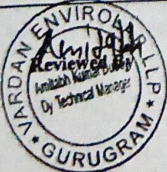
5 Ltrs. + 250 ml

Grab

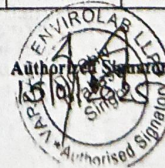
Ice Box

TEST RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits of IS: 10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	Colour	IS: 3025 (P-4)	*BLQ(**LOQ-1.0)	Hazen	5	15
2.	pH (at 25°C)	IS: 3025 (P-11)	8.29	--	6.5 to 8.5	No Relaxation
3.	Temperature	IS: 3025 (P-9)	24.71	°C	--	--
4.	BOD(3days 27°C)	IS 3025 (P-44)	*BLQ(**LOQ-2.0)	mg/L	--	--
5.	COD	APHA, 5220 B Open Reflux Method	*BLQ(**LOQ-4.0)	mg/L	--	--
6.	Total Dissolved Solids	IS: 3025 (P-16)	471.55	mg/L	500	2000
7.	Total Suspended Solids	IS: 3025 (P-17)	*BLQ(**LOQ-1.0)	mg/L	--	--
8.	Electrical Conductivity (at 25°C)	IS: 3025 (P-14)	736.81	uS/cm	--	--
9.	Oil & Grease	Clause No-5 of IS 3025 (P-39)	*BLQ(**LOQ-4.0)	mg/L	--	--
10.	Calcium (as Ca)	IS: 3025 (P-40)	39.50	mg/L	75	200
11.	Chloride (as Cl)	IS: 3025 (P-32)	17.62	mg/L	250	1000
12.	Copper (as Cu)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.05	1.5
13.	Fluoride (as F)	APHA, 4500 F.D, SPADNS Method	0.59	mg/L	1.0	1.5
14.	Iron (as Fe)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	0.27	mg/L	1.0	No Relaxation
15.	Magnesium (as Mg)	APHA, 3500 Mg B, Calculation Method	13.62	mg/L	30	100
16.	Nitrate (as NO ₃)	IS: 3025 (P-34)	5.75	mg/L	45	No Relaxation



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Terms & Conditions

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HARSHNA LOOMBA
Principal

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ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number: VEL/W/04				Report No.: VEL/W/2501100004		
S. No.	Parameters	Test Method	Results	Units	Limits of IS: 10500-2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
17.	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23)	89.50	mg/L	200	600
18.	Total Hardness (as CaCO ₃)	IS: 3025 (P-21)	174.63	mg/L	200	600
19.	Selenium (as Se)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.001)	mg/L	0.01	No Relaxation
20.	Sulphate (as SO ₄)	IS: 3025 (P-24)	14.76	mg/L	200	400
21.	Zinc (as Zn)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	0.29	mg/L	5.0	15.0
22.	Sodium (as Na)	IS: 3025 (P-45)	25.10	mg/L	--	--
23.	Potassium (as K)	IS: 3025 (P-45)	7.32	mg/L	--	--
24.	Silica	IS: 3025 (P-35)	11.94	mg/L	--	--
25.	Total Chromium	VEL/STP/ICP/W-01, Issue No.-01, 01/11/23	*BLQ(LOQ 0.002)	mg/l	0.05	No Relaxation
26.	Phenolic Compounds	IS 3025 (P-43)	*BLQ(**LOQ 0.0005)	mg/L	0.001	0.002
27.	Hexavalent Chromium (as Cr+6)	IS: 3025 (P-52)	*BLQ(**LOQ-0.1)	mg/L	--	--
28.	Total Phosphorous	IS: 3025 (P-31)	*BLQ(**LOQ-0.2)	mg/L	--	--
29.	Dissolved Oxygen	IS: 3025 (P-38)	6.8	mg/L	--	--
30.	Cadmium (as Cd)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.003	No Relaxation
31.	Lead (as Pb)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.002)	mg/L	0.01	No Relaxation
32.	Mercury (as Hg)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.0005)	mg/L	0.001	No Relaxation
33.	Total Arsenic (as As)	VEL/STP/ICP/W-01, Issue No.- 01, Issue Date : 01/11/2023	*BLQ(**LOQ-0.005)	mg/L	0.01	No Relaxation
34.	Total Coliform	IS: 15185:2016	Absent	/100ml	Shall not be detectable in any 100 ml sample	--

Note: STP- Standard Testing Procedure, *BLQ- Below Limit of Quantification, **LOQ- Limit of Quantification.
Amendment No.1 in June 2015 (Limits of Arsenic) and Amendment No.2 in September 2018 (IS Method of Total Coliform).

End of Report

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HARSHNA LOOMBA

Principal

at Ishrat Memorial Sunbeam School
Ambekar Nagar, U.P.-224238

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