



GUJARAT INDUSTRIES POWER COMPANY LIMITED

(SURAT LIGNITE POWER PLANT)

AT & PO. Nani Naroli, Taluka Mangrol, Dist. Surat - 394 112

Phone : EPABX (02629) 261063 to 261066 Fax : (02629) 261080 E-mail : genslpp@gipcl.com

APPENDIX – VIII

SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

Ref: SLPP/Civil/646

Date: 11/03/2026

It is certified that an inspection team headed by Rajiv B. Soni, DGM(Civil), from Civil Dept. of Gujarat Industries Power Company Limited, Nani Naroli, Ta.: Mangrol, Dist.: Surat inspected the Bharatiya Vidya Bhavan's GIPCL Academy at Nani Naroli, Ta.: Mangrol, Dist. Surat, Gujarat – 394 112 on 11/03/2026 and found that the Bhartiya Vidya Bhavan's GIPCL Academy has safe drinking water facilities for the students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building & the campus as per the norms prescribed by the Central/State/U.T Govt.

(R. B. Soni)

Dy. General Manager (Civil)
GIPCL – SLPP. Nani Naroli.

To
The Principal
Bhartiya Vidya Bhavan's GIPCL Academy
At & Po.: Nani Naroli, Ta.: Mangrol
Dist.: Surat – 394 112, Gujarat

Principal
Bharatiya Vidya Bhavan's
GIPCL Academy
Nani Naroli, Ta : Mangrol,
Dist.: Surat-394 112



Secretary
BVB's GIPCL Academ

Registered Office & Vadodara Plant :
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AN IMS
COMPANY

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CIN No.: L99999GJ1985PLC007868



ECOSYSTEM RESOURCE MANAGEMENT PVT. LTD.
ENV. TESTING LABORATORY, ENVIRONMENT ENGINEERS & AUDITORS

WO No.: SLPP/Plant/Env. Monitoring/2025-26/203 Dated: 17-01-2025

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Issue Date: 27/05/2026

TEST REPORT
WATER SAMPLE ANALYSIS REPORT
TEST REPORT NO: QF/7.8/01 A/WATER/GIPCL/Rev.0-00/05-2026

Name of the Client : M/s. Gujarat Industries Power Company Limited.
NaniNaroli, Taluka-Mangrol, Dist: Surat-394112
Sample Description : Drinking water
Sampling Point : DM Plant
Mode of sampling : Grab
Sample Collected on : 18/05/2026
Sample Received on : 18/05/2026
Sample Analyzed & Completion : 18/05/2026 to 26/05/2026
Sample ID No. : ERM/EXT/2026/05/490
Quantity/No. of Sample : 5 Liters in polyethylene carboys and 100 ml in sterilized bottle/2 nos.
Protocol (Purpose) : As per work order
Packing/ Seal : Packed
Sampling Method : APHA 24th Edition – 2023, Part 1000 Section 1060 B, Part-9000, Section: 9060 A
Sample Collected By : ERM-Mr. Bhavesh Patel & Team

Sr. No.	Parameters	Unit	Result	Standard Limit As Per IS 10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
1.	pH at 25 °C	pH Unit	7.35	6.5-8.5	No relaxation	IS 3025 (Part 11): 2022 (Electrometric Method)
2.	Conductivity at 25°C	µS/cm	438	-	-	APHA 24 th Edition (Part 2000) Section: 2510, B : 2023 (Laboratory Method)
3.	Turbidity	NTU	BDL (DL-0.1)	1	5	APHA 24 th Edition, (Part 2000) Section: 2130, B : 2023 (Nephelometric Method)
4.	Colour	Hazen	BDL (DL-5.0)	5	15	APHA 24 th Edition, (Part 2000) Section: 2120, C : 2023 (Spectrophotometric - Single Wavelength Method)
5.	Odour	--	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 2018
6.	Taste	--	Agreeable	Agreeable	Agreeable	IS 3025 (Part 8): 1984 (Reaffirmed 2002)
7.	Total dissolved solids at 180 °C	mg/L	272	500	2000	IS 3025 (Part 16): 1984 (Gravimetric Method)
8.	Total Hardness as CaCO ₃	mg/L	168	200	600	IS 3025 (Part 21): 2009 (EDTA Method)
9.	Calcium as Ca	mg/L	38	75	200	IS 3025 (Part 40): 1991 (EDTA Titrimetric method)
10.	Magnesium as Mg	mg/L	16	30	100	IS 3025 (Part 46): 1994 (Volumetric Method using EDTA)
11.	Chloride as Cl	mg/L	35	250	1000	IS 3025 (Part 32): 1988 (Argentometric Method)
12.	Iron as Fe	mg/L	0.15	0.3	No Relaxation	IS 3025 (Part 53): 2003 (1,10 Phenanthroline Method)
13.	Phenolic compounds as (C ₆ H ₅ OH)	mg/L	BDL (DL-0.01)	0.001	0.002	IS 3025 (Part 43/Section 1) : 2022 (4 -Aminoantipyrine method without Chloroform Extraction)
14.	Total Alkalinity as CaCO ₃	mg/L	170	200	600	IS 3025 (Part 23): 1986 (Color indicator titration)
15.	Silica as SiO ₂	mg/L	28.5	-	-	APHA 24 th Edition, (Part 4000) Section 4500 - SiO ₂ , C : 2023 (Molybdosilicate Method)
16.	Free Residual Chlorine	mg/L	0.2	min 0.2	1.0	IS 3025 (Part 26) : 2021 (Iodometric method)

(P.T.O)

Principal
Bharatiya Vidya Bhavan's

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ECOSYSTEM RESOURCE MANAGEMENT PVT. LTD.

ENV. TESTING LABORATORY, ENVIRONMENT ENGINEERS & AUDITORS

Page 2 of 2

Name of Client : M/s. Gujarat Industries Power Company Limited
Sample Collected on : 18/05/2026
Sample ID No. : ERM/EXT/2026/05/490

Sr. No.	Parameters	Unit	Result	Standard Limit As Per IS 10500:2012		Test Method
				Acceptable Limit	Permissible Limit	
17.	Nitrate Nitrogen as NO ₃	mg/L	BDL (DL-2.0)	45	No relaxation	IS 3025 (Part 34): 1988 (Devarda's Alloy Reduction Method)
18.	Sulphate as SO ₄	mg/L	30	200	400	APHA 24 th Edition, (Part 4000) Section 4500-SO ₄ -2, E: 2023 (Turbidimetric Method)
19.	Total Chromium as Cr	mg/L	BDL (DL-0.03)	0.05	No relaxation	IS 3025 (Part 52): 2003 (Diphenylcarbazide Method)
20.	Cadmium as Cd	mg/L	BDL (DL-0.05)	0.003	No relaxation	APHA 24 th Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
21.	Copper as Cu	mg/L	BDL (DL-0.05)	0.05	1.5	APHA 23 rd Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
22.	Lead as Pb	mg/L	BDL (DL-0.01)	0.01	No relaxation	APHA 23 rd Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
23.	Mercury as Hg	mg/L	BDL (DL-0.01)	0.001	No relaxation	APHA 23 rd Edition (Part 3000) Section: 3112, B: 2023 (AAS Method)
24.	Nickel as Ni	mg/L	BDL (DL-0.3)	0.02	No relaxation	APHA 23 rd Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
25.	Zinc as Zn	mg/L	BDL (DL-0.1)	5	15	APHA 23 rd Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
26.	Ammonical Nitrogen as NH ₃ -N	mg/L	BDL (DL-0.2)	0.5	No relaxation	IS 3025 (Part 34): 1988 (Nesslerization Method)
27.	Vanadium as V	mg/L	BDL (DL-1.0)	-	-	APHA 24 th Edition, (Part- 3500) Section: 3500-V, B: 2023 (Gallic Acid Method)
28.	Aluminium as Al	mg/L	BDL (DL-0.05)	0.03	0.2	IS 3025 (Part 55): 2003
29.	Arsenic as As	mg/L	BDL (DL-0.01)	0.01	0.05	APHA 24 th Edition, (Part-3000) Section: 3114, B: 2023 (AAS Method)
30.	Manganese as Mn	mg/L	BDL (DL-0.01)	0.1	0.3	APHA 24 th Edition, (Part-3000) Section: 3111, B: 2023 (AAS Method)
31.	Fluoride as F	mg/L	0.42	1.0	1.5	APHA 24 th Edition, (Part-4000) Section: 4500-F, D: 2023 (SPADNS Method)
32.	Sulfide as H ₂ S	mg/L	BDL (DL-0.01)	0.05	No relaxation	APHA 24 th Edition, (Part-4000) Section: 4500-S-2, F: 2023 (Iodometric Method)
33.	Boron as B	mg/L	BDL (DL-0.05)	0.5	1.0	IS 3025 (Part 57): 2021 (Curcumin Method)
34.	Selenium as Se	mg/L	BDL (DL-0.01)	0.01	0.01	APHA 24 th Edition, (Part-3000) Section: 3114, B: 2023 (AAS Method)
35.	Pesticides	mg/L	Absent	-	-	ERM/LAB/Water/Wastewater/2022/48&49:2022
36.	E-Coli	Per 100ml	Absent	Absent	Absent	APHA 24 th Edition, 9221 D & G: 2023
37.	MPN (Total Coliform)	Per 100ml	Absent	Absent	Absent	APHA 24 th Edition, 9221 B and C: 2023

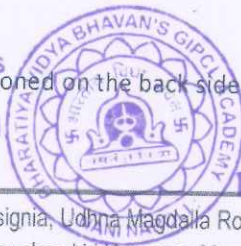
BDL -Below Detection Limit, DL-Detection Limit

Sr. K. J.
CHEMIST

[Signature]
Principal

Note: Please refer the test and conditions mentioned on the back side of page related to this report.

Bharatiya Vidya Bhavan's
GIPCL Academy
Nani Naroli, Ta : Mangrol
Dist.: Surat-394 112



[Signature]
AUTHORIZED SIGNATORY
(Haresh Ahir)

Secretary
BVB's GIPCL Academy

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