



CIN: U74999JH2018PTC011125

ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D1Z4

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TC-8839

TEST REPORT

Test Report No.	: ELES/RNC/2023/4824	Report Release Date	: 23.12.2023
ULR No.	: TC883923000002947F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: St. Xavier's College, Simdega	Sample Ref. No.	: ELES/RNC/2023/EF/4496
Address	: P.O.- Gotra, P.S.- Simdega, Dist- Simdega, Jharkhand-835235	Sampling Date	: 15.12.2023
		Sample Received Date	: 16.12.2023
College Status	: Operational	Type of Sample	: Effluent Water
		Source of Sample	: Drain Outlet
Period of Analysis	: 16.12.2023 to 23.12.2023	Location of Sample	: Back Side of Seminar Hall
		Sampling Procedure	: ELES/DOC/SMPL/01
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

Discipline : Chemical		Group : Pollution & Environment		Discharge Limits – CPCB EPR, 1986 Schedule VI	
Parameter	Unit	Test Protocol	Result	Inland Surface Water	Land for Irrigation
pH (at 20.4 °C)	-	APHA 23 th Ed.2017,4500-H ⁺	6.84	5.5-9.0	5.5-9.0
Temperature	°C	APHA 23 th Ed.2017, 2550 B	20.4	Shall Not Exceed 5°C Above the Receiving Water Temperature	--
Conductivity (at 24.6 °C)	µS/cm	APHA 23 th Ed.2017, 2510-B	586	--	--
Total Dissolved Solids (TDS)	mg/L	IS 3025 (Part-16): 2023	412	--	--
Total Alkalinity (as CaCO ₃)	mg/L	IS 3025 (Part-23): 1986:RA 2019	92.8	--	--
Total Hardness (as CaCO ₃)	mg/L	IS 3025 (Part-21): 2009:RA 2019	132	--	--
Chloride (as Cl)	mg/L	IS 3025 (Part-32): 1988:RA 2019	68.6	--	--
Fluoride (as F)	mg/L	IS 3025 (Part-60): 2008:RA 2019	0.390	2.0	--
Chemical Oxygen Demand (COD)	mg/L	IS 3025 (Part-58): 2006:RA 2022	12.6	250	--
Biochemical Oxygen Demand (BOD) (at 27 °C for 3 days)	mg/L	IS 3025 (Part-44): 1993:RA 2019	3.8	30	100
Sulphate (as SO ₄)	mg/L	APHA 23 th Ed.2017,4500 SO ₄ ⁻² E	24.8	--	--

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"Save Environment, Save Future"



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Discipline : Chemical		Group : Pollution & Environment		Discharge Limits – CPCB EPR, 1986 Schedule VI	
Parameter	Unit	Test Protocol	Result	Inland Surface Water	Land for Irrigation
Nitrate (as NO ₃)	mg/L	APHA 23 th Ed.2017,4500 NO ₃ -B	12.6	--	--
Sulfide (as S)	mg/L	IS 3025 (Part-29): 2022	BDL (DL: 0.04)	2.0	--
Calcium (as Ca)	mg/L	IS 3025 (Part-40): 2019	36.8	--	--
Discipline : Chemical		Group : Residues in Water			
Arsenic (as As)	mg/L	IS 3025 (Part-37): 2022	BDL (DL: 0.005)	0.2	0.2
Copper (as Cu)	mg/L	APHA 23 th Ed.2017, 3111B	BDL (DL: 0.03)	3.0	--
Iron (as Fe)	mg/L	APHA 23 th Ed.2017, 3111B	0.160	3.0	--
Magnesium (as Mg)	mg/L	IS 3025 (Part-46) :1994; RA2019	12.5	--	--
Zinc (as Zn)	mg/L	APHA 23 th Ed.2017, 3111B	BDL (DL: 0.1)	5.0	--

Remarks: pH & Temperature done at site.

Reviewed by
Akash Kumar
Quality Manager

****End of Report****

Rakha Saxena
Authorised Signatory
Rakha Saxena
B. Sc, M. Sc. (Botany)
Director
ELES Pvt. Ltd.

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