



ENVIRONMENTAL LABORATORY

(UNIT OF MINERAL ENGINEERING SERVICES LLP)
 Recognised by BIS, FSSAI, ISO:45001:2018 Certified Laboratory
 Recognised by MoEFCC(CPCB) under E(P) Act 1986 recognition valid upto 23.05.2025

TEST REPORT

Name of the Client : M/s. Vedanta Limited
 Name of the Project : Block I - Bicholim Mineral Block
 Bicholim, Bordem, Lamgao, Mulgao, Mayem & Sirigao villages, Bicholim Taluka, North Goa
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services)
 Particular of Sample Collected : EDW1 - 1 Top Discharge (Bicholim Dhabdabha),
 EDW2 - 2 Top Discharge (Lamgao), EDW3 - 5 Top Discharge (Mulgao)
 Sample Collected by : Environmental Laboratory (Unit of Mineral Engineering Services)
 Date of sampling : 21.09.2024
 Issue Date : 30.09.2024

Sample Code		EDW1	EDW2	EDW3	General Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
Sl. No.	Lab Code	N/24/09/5-0260	N/24/09/5-0261	N/24/09/5-0262		
Parameters		Results				
1	Colour (Hazen Units),	5	10	5	--	IS:3025(P-4)2021
2	pH	7.06	5.63	5.60	5.5-9.0	IS 3025 (P-11) 2022
3	Turbidity,NTU	10.8	4.5	3.8	--	IS:3025 (P-10) 1984 RA 2017
4	Electrical Conductivity (µmhos/cm)	63	45	40	--	IS 3025 (P-14)
5	Total Dissolved Solids (TDS) mg/l	34	25	22	--	IS 3025(P- 16)02022
6	Total Suspended Solids, mg/l	12.0	6.0	4.2	Non Rainy Day 50, Rainy Day 100	IS 3025 (P-17) 2022
7	Chlorides (as Cl), mg/l	14	10	8	1000	IS 3025 (P-32) 1988 RA 2019
8	Total Hardness (as CaCO ₃),mg/l	16	8	6	--	IS:3025 (P-21) 2009 RA 2019
9	Calcium (as Ca),mg/l,	4	1.6	<1	--	IS:3025 (P-40)1991 RA 2019
10	Magnesium (as Mg) mg/l,	1.46	1	<1	--	IS 3025 (P-2) 2019
11	Sulphates (as SO ₄) mg/l	4.2	1.8	1.1	1000	IS 3025 (P-24) Sec 1 2022
12	Nitrates (as NO ₃),mg/l	<1	<1	<1	--	IS:3025 (P-34) Sec 1 2023
13	BOD [3 days at 27°C] mg/l	2.6	2	1.33	30	IS 3025 (P-44) 2014
14	COD, mg/l	16	8	8	250	IS 3025 (P-58) 2006 RA 2022
15	Iron (as Fe), mg/l	0.017	0.005	0.007	3	IS 3025 (P-2) 2019
16	Manganese (as Mn), mg/l	<0.001	<0.001	<0.001	2	IS 3025 (P-2) 2019
17	Dissolved Oxygen (as O ₂), mg/l, Max	5.3	5.5	5.6	Min 4	IS:3025(Part-38)1989RA 2019
18	Oil & Grease, mg/l	<1.0	<1.0	<1.0	10	IS 3025 (P-39) 2021

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 T.M. - Chemical

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