



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 Collecte		: 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		: 08.08.2024				
Issue Date		: 21.08.2024				
Sample Code		EDW1	EDW2	EDW3	General Standards For Effluent Discharge of Environmental Pollutants	Method of Testing
Sl. No.	Lab Code	N/24/08/02-0111	N/24/08/02-0112	N/24/08/02-0113		
Parameters		Results				
1	Colour (Hazen Units),	1	3	3	--	IS:3025(P-4)2021
2	pH	6.90	5.56	5.54	5.5-9.0	IS 3025 (P-11) 2022
3	Turbidity,NTU	18.5	42.0	24.6	--	IS:3025 (P-10) 1984 RA 2017
4	Electrical Conductivity (µmhos/cm)	65	56	50	--	IS 3025 (P-14)
5	Total Dissolved Solids (TDS) mg/l	36	32	28	--	IS 3025(P- 16)02022
6	Total Suspended Solids, mg/l	20.0	48.0	30.7	Non Rainy Day 50, Rainy Day 100	IS 3025 (P-17) 2022
7	Chlorides (as Cl), mg/l	13	12	12	1000	IS 3025 (P-32) 1988 RA 2019
8	Total Hardness (as CaCO ₃),mg/l	18	10	6	--	IS:3025 (P-21) 2009 RA 2019
9	Calcium (as Ca),mg/l,	3.2	2.4	<1	--	IS:3025 (P-40)1991 RA 2019
10	Magnesium (as Mg) mg/l,	2.43	1	<1	--	IS 3025 (P-2) 2019
11	Sulphates (as SO ₄) mg/l	3.5	1.5	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	5.32	3.2	3.85	30	IS 3025 (P-44) 2014
14	COD, mg/l	30	25	28	250	IS 3025 (P-58) 2006 RA 2022
15	Iron (as Fe), mg/l	0.015	0.008	0.009	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	5.2	5.4	5.5	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

Arshiya Kousar
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Dy. T.M. - Chemical

Govt. Analyst / Authorised Signatory

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Note : This report is subject to the terms and conditions mentioned overleaf.