

**NWMP DATA FOR THE MONTH OF DECEMBER 2021**

Sr. No	Name Of Monitoring Location	Temp (°C)	Velocity (m/s)	DO (mg/l)	pH	Cond (µs/cm)	BOD (mg/l)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Total Coliform (MPN/100ml)	Fecal Coliform (MPN/100ml)	Fecal Streptococci (MPN/100ml)	Turbidity (NTU)	Phenolphthalein Alkalinity (mg/l)	Total Alkalinity (mg/l)	Chlorides (mg/l)	COD (mg/l)	Total Kjeldhal Nitrogen (mg/l)	Ammonia-N (mg/l)	
1	RIVER MANDOVI AT RIBANDER-CHODNA FERRY	27	0.1	5.7	7.22	29100.0	BDL	0.19	0.008	170	110	70	5.6	BDL	130.0	12079.2	-	3.9	BDL	
2	RIVER ZUARI AT CORTALIM	29	0.3	5.9	7.18	40550.0	BDL	0.28	0.008	4300	2300	940	25.2	BDL	96.0	14225.5	-	4.5	BDL	
3	RIVER MANDOVI UNDER MANDOVI BRIDGE	27	0.1	6.0	7.21	37820.0	BDL	0.30	0.005	350	170	43	4.1	BDL	84.0	14475.1	-	4.5	BDL	
4	RIVER ZUARI AT PANCHAWADI	30	0.2	6.3	6.91	1637.0	BDL	0.10	0.005	2200	1700	490	3.80	BDL	32.0	8316.6	-	0.60	0.07	
5	RIVER MANDOVI AT TONCA- MARCELA	27	1.0	6.3	7.18	5128.0	BDL	0.36	0.015	1100	790	350	3.45	BDL	52.0	3868.30	-	4.5	BDL	
6	RIVER KALNA AT CHANDEL- PERNEM, GOA	27	0.4	8.0	7.3	66.25	BDL	BDL	BDL	2200	1700	310	5.83	BDL	26.0	5.3	BDL	BDL	BDL	
7	RIVER VALVANTI	30	-	8.2	6.70	128.90	BDL	BDL	BDL	1300	790	170	2.17	BDL	22.0	24.0	BDL	BDL	BDL	
8	RIVER MADAI AT DABOS - VALPOL, GOA	31	0.2	8.1	7.1	71.59	BDL	BDL	BDL	1300	790	110	1.68	BDL	32.0	4.4	BDL	BDL	BDL	
9	RIVER KHANDEPAR AT OPA	29	-	7.0	7.14	71.6	BDL	0.11	BDL	490	330	220	1.61	BDL	34.0	10.27	4.0	0.60	BDL	
10	RIVER TALPONA AT CANACONA, GOA	31	0.5	7.0	7.11	52.91	BDL	BDL	BDL	490	330	70	1.34	BDL	20.0	8.81	6.0	BDL	BDL	
11	RIVER ASSONORA	30	-	6.9	6.7	62.83	BDL	BDL	BDL	790	490	49	1.27	BDL	20.0	9.0	BDL	BDL	BDL	
12	SALAU LIM LAKE AT SALAU LIM	28	-	8.1	7.68	56.13	BDL	0.1	BDL	79	49	6.8	1.34	BDL	18.0	5.40	BDL	3.92	BDL	
13	INLET STP TONCA	-	-	-	6.60	-	333.6	-	-	280*10 <sup>4</sup>	220*10 <sup>4</sup>	350*10 <sup>3</sup>	-	-	-	-	750.0	-	10.53	
14	OUTLET STP TONCA	-	-	-	6.90	-	7.2	-	-	<1.8	NIL	<1.8	-	-	-	-	20.0	-	0.079	
15	AGRI.CANAL UP STREAM OF CUNCOLIM IDC	DRY																		
16	AGRI.CANAL DOWNSTREAM OF CUNCOLIM IDC	30	-	8.0	7.32	379.5	BDL	0.1	0.007	3500	1700	350	2.22	BDL	24.0	126.0	6.0	1.1	0.06	
17	CREEK AT DANDO MOLLO, VELSÃO	30	-	5.7	7.76	4825.0	BDL	3.78	0.053	2100	1300	230	9.25	BDL	68.0	2745.3	-	2.8	BDL	
18	CUMBARJUA CANAL CORLIM(DISCHARGE POINT OF SYNGENTA)	27	-	5.5	7.2	12280.0	BDL	0.40	0.016	2700	2200	230	5.15	BDL	58.0	5390.7	-	2.8	BDL	
19	MAYEM LAKE	28	-	8.2	6.45	41.95	BDL	BDL	BDL	2200	1300	280	2.46	BDL	32.0	8.3	6.0	3.9	BDL	
20	RIVER KHANDEPAR AT CODLI NEAR BRIDGE , U/S OPA WATER WORKS	28	0.1	7.3	7.19	70.55	BDL	0.13	BDL	1400	790	350	1.81	BDL	32.0	8.81	6.0	0.60	BDL	
21	RIVER SAL PAZORCONI	30	0.3	7.5	6.81	107.1	BDL	BDL	BDL	3400	2700	700	5.43	BDL	38.0	31.0	4.0	1.1	0.05	
22	RIVER KUSHAWATI NEAR BUND AT KEVONA	28	-	8.7	7.70	69.34	BDL	0.2	BDL	1700	1400	79	3.12	BDL	30.0	5.40	BDL	BDL	0.08	
23	RIVER SAL NEAR HOTEL LEELA MOBOR, CAVELOSSIM	28	0.3	5.6	7.04	44250.0	BDL	0.11	0.01	1300	790	70	5.14	8.0	86.0	17994.4	-	1.12	0.09	
24	RIVER MAPUSA ON CULVERT ON HIGHWAY MAPUSA-PANAJI	28	0.1	3.8	6.9	353.0	2.6	BDL	0.007	4900	3300	430	6.13	BDL	50.0	66.0	6.0	1.12	BDL	
25	RIVER CHAPORA NEAR ALORNA FORT , PERNEM	27	0.2	7.4	6.2	1078.0	BDL	BDL	0.005	2400	1300	330	6.0	BDL	28.0	291.0	4.0	BDL	BDL	
26	RIVER BICHOLIM BARAZAN NAGAR , BICHOLIM	28	0.1	8.1	6.89	87.55	BDL	BDL	BDL	7000	4600	790	5.74	BDL	78.0	14.7	6.0	3.92	BDL	
27	ANJUNEM LAKE	30	-	4.8	6.6	40.18	BDL	BDL	BDL	140	110	49	2.61	BDL	16.0	2.4	BDL	BDL	BDL	
28	RUMDER LAKE	30	-	6.0	6.69	95.94	BDL	BDL	BDL	3300	2300	790	3.69	BDL	34.0	2201.5	-	1.7	BDL	
29	CARAMBOLIM LAKE	27	-	8.8	7.50	129.7	BDL	0.37	BDL	2300	1300	490	6.45	BDL	50.0	49.9	4.0	2.2	BDL	
30	RAIA LAKE	27	-	7.7	7.65	108.96	BDL	BDL	BDL	3900	2700	170	7.54	BDL	32.0	11.70	8.0	1.68	0.06	
31	SAIPEM LAKE	28	0.1	1.6	7.43	288.8	4.6	0.12	0.009	940	700	170	12.06	BDL	70.0	29.5	12.0	0.56	0.05	
32	CURTORIM LAKE	27	-	4.2	7.68	96.83	2.0	0.1	BDL	2200	1300	170	10.39	BDL	32.0	9.3	10.0	1.12	BDL	
33	RIVER ZUARI AT BORIM BRIDGE	30	0.2	6.5	6.85	12460.0	BDL	BDL	0.036	3300	2700	700	4.24	BDL	46.0	5870.5	-	1.7	BDL	
34	RIVER ZUARI AT MADKAI JETTY	29	0.4	6.5	7.31	27510.0	BDL	0.16	0.01	1700	1300	230	7.33	10.0	80.0	13893.6	-	3.36	BDL	
35	RIVER SAL AT KHAREBAND, MARGAO	27	0.1	2.1	7.04	143.60	BDL	BDL	0.040	9400	4900	1400	21.0	BDL	46.0	16.5	14.0	1.12	0.12	
36	RIVER SAL AT ORLIM BRIDGE	27	0.2	3.4	7.05	1838.0	BDL	BDL	0.03	1700	1300	220	6.72	BDL	50.0	434.9	12.0	1.12	0.11	
37	RIVER MANDOVI AT AMONA BRIDGE	27	1	6.7	7.15	3470.0	BDL	0.32	0.011	1100	700	170	4.58	BDL	36.0	2246.10	-	4.5	BDL	
38	RIVER MANDOVI AT IFFI JETTY	28	-	6.7	7.0	23100.0	BDL	0.105	0.006	170	110	94	6.25	10.0	80.0	14871.98	-	3.36	BDL	
39	RIVER MANDOVI NEAR HOTEL MARRIOT	28	-	6.0	7.15	36400.0	BDL	0.10	0.005	170	140	79	4.30	10.0	80.0	15850.40	-	2.8	BDL	
40	RIVER TIRACOL AT TIRACOL	27	0.1	6.8	8.12	36030.0	BDL	0.26	BDL	1100	790	79	4.12	6.0	84.0	13355.0	-	1.12	0.05	
41	RIVER CHAPORA AT SIOLIM BRIDGE	28	0.1	6.1	8.28	47030.0	BDL	0.2	0.008	2800	2200	280	5.04	4.0	96.0	17661.0	-	0.56	0.07	
42	RIVER SINQUERIM CANDOLIM NEAR BRIDGE	28	0.2	5.5	7.15	45870.0	BDL	0.12	0.01	1700	1300	280	5.73	10.0	98.0	16994.7	-	1.68	0.06	
43	RIVER SINQUERIM NEAR NERUL TEMPLE	28	0.1	5.3	7.22	47140.0	BDL	0.22	0.010	1400	1100	170	6.12	12.0	98.0	17194.7	-	1.68	0.06	
44	TIRACOL BEACH	27	-	7.7	8.26	48690.0	BDL	0.2	0.01	130	79	49	5.14	6.0	94.0	17612.0	-	BDL	0.08	
45	MIRAMAR BEACH	29	-	6.0	7.08	46420.0	BDL	0.1	0.005	220	170	140	6.48	20.0	100.0	18223.07	-	2.8	BDL	
46	CALANGUTE BEACH	28	-	6.8	7.15	49390.0	BDL	0.21	0.02	280	220	110	4.51	12.0	100.0	17994.4	-	1.12	0.07	
47	MORJIM BEACH	28	-	7.7	8.3	48600.0	BDL	0.2	0.01	280	170	79	4.20	10.0	106.0	17807.0	-	BDL	BDL	
48	MOBOR BEACH	29	-	6.8	7.07	48340.0	BDL	0.12	0.01	280	220	23	4.24	14.0	92.0	17994.4	-	1.12	0.05	
49	BAINA BEACH	29	-	6.5	7.68	49820.0	BDL	0.47	0.005	220	170	94	4.15	8.0	104.0	17469.0	-	3.9	BDL	
50	GALGIBAG BEACH	31	-	7.0	8.14	49720.0	BDL	BDL	0.032	220	170	110	3.06	12.0	80.0	17856.2	-	7.80	BDL	
51	COLVA BEACH	29	-	7.2	6.78	50180.0	BDL	BDL	BDL	540	350	79	2.54	10.0	96.0	17495.0	-	1.1	BDL	
52	VAGATOR BEACH	27	-	6.7	7.18	49440.0	BDL	0.25	0.009	170	140	94	3.15	14.0	92.0	17744.0	-	1.12	0.06	
53	VELSAO BEACH	29	-	6.5	7.73	50100.0	BDL	0.40	0.008	170	130	110	5.68	8.0	100.0	17969.0	-	5.6	BDL	
54	HARWALE WATER FALL	31	-	7.8	7.40	116.80	BDL	BDL	0.006	3300	2300	700	3.46	BDL	26.0	9.0	BDL	BDL	BDL	
55	SALMONA SPRING	26	-	7.8	6.03	95.71	BDL	0.61	BDL	350	240	170	2.08	BDL	20.0	6.99	4.0	0.56	BDL	
56	CHAPOLI DAM	31	-	6.8	7.34	68.70	BDL	BDL	BDL	240	130	79	2.82	BDL	28.0	9.8	8.0	1.70	BDL	

Please note : BDL-Below Detection Limit

**NWMP DATA FOR THE MONTH OF DECEMBER 2021**

Sr. No	Name of Monitoring Location	Total Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Sulphate (mg/l)	Sodium (Na) (mg/l)	Total Dissolved Solids (mg/l)	Total Fixed Solids (mg/l)	Total Suspended Solids (mg/l)	Phosphate (mg/l)	Boron (mg/l)	Potassium (k) (mg/l)	Flouride (mg/l)	O&G (mg/l)	MLSS (mg/l)	Residual Chlorine (mg/l)
1	RIVER MANDOVI AT RIBANDER-CHODNA FERRY	4000.0	521.0	656.1	1252.8	3424.0	19430.0	13212.0	10.0	0.05	1.23	245	1.04	-	-	-
2	RIVER ZUARI AT CORTALIM	6400.0	881.8	1020.6	1339.2	3703.0	25200.0	16380.0	43.0	0.02	1.41	283.4	1.33	-	-	-
3	RIVER MANDOVI UNDER MANDOVI BRIDGE	5100	641.3	850.5	1735.2	4432.0	24583.0	17945.0	7.0	0.03	1.06	307.4	1.35	-	-	-
4	RIVER ZUARI AT PANCHAWADI	400.0	80.20	48.6	2505.9	213.2	950.0	460.0	41.0	0.05	0.26	18.9	0.31	-	-	-
5	RIVER MANDOVI AT TONCA- MARCELA	1400.0	200.4	218.7	5270.40	1134.00	3150.0	2110.0	6.0	0.03	BDL	91.9	1.19	-	-	-
6	RIVER KALNA AT CHANDEL- PERNEM, GOA	20.0	6.4	BDL	BDL	26.0	45.0	25.0	8.0	BDL	BDL	2.1	0.2	-	-	-
7	RIVER VALVANTI	20.0	5.6	BDL	BDL	26.5	87.0	52.0	10.0	BDL	BDL	6.8	BDL	-	-	-
8	RIVER MADAI AT DABOS - VALPOL, GOA	18.0	7.20	BDL	BDL	26.1	48.0	22.0	6.0	BDL	BDL	1.8	BDL	-	-	-
9	RIVER KHANDEPAR AT OPA	22.0	7.2	BDL	2.64	27.1	42.0	23.0	23.0	BDL	BDL	2.3	BDL	-	-	-
10	RIVER TALPONA AT CANACONA, GOA	6.0	BDL	BDL	9.0	78.9	30.0	20.0	23.0	0.055	BDL	10.3	BDL	-	-	-
11	RIVER ASSONORA	16.0	3.2	BDL	BDL	25.7	42.0	25.0	8.0	BDL	BDL	2.9	BDL	-	-	-
12	SALAU LIM LAKE AT SALAU LIM	16.0	3.2	2.0	3.17	26	34.0	24.0	12.0	BDL	BDL	1.7	BDL	-	-	-
13	INLET STP TONCA	-	-	-	-	-	-	-	208.0	13.11	-	-	-	-	208.0	-
14	OUTLET STP TONCA	-	-	-	-	-	-	-	3.0	0.65	-	-	-	<10.0	-	1.77
15	AGRI.CANAL UP STREAM OF CUNCOLIM IDC	<b>DRY</b>														
16	AGRI.CANAL DOWNSTREAM OF CUNCOLIM IDC	82.0	3.21	18.00	5.32	48.1	225.0	218.0	4.0	0.07	0.20	39.7	BDL	-	-	-
17	CREEK AT DANDO MOLLO, VELSAO	500.0	40.1	97.2	914.40	419.2	2360.0	1604.0	17.0	0.09	BDL	36.7	1.31	-	-	-
18	CUMBARJUA CANAL CORLIM(DISCHARGE POINT OF SYNGENTA)	2000.0	280.6	315.9	305.28	1543	6720.0	4636.0	10.0	0.90	0.44	122.5	0.71	-	-	-
19	MAYEM LAKE	14.0	4.00	BDL	2.3	25.3	27.0	17.0	8.0	0.02	BDL	2.80	BDL	-	-	-
20	RIVER KHANDEPAR AT CODLI NEAR BRIDGE , U/S OPA WATER WORKS	14	4.8	BDL	2.21	28.7	41.0	21.0	22.0	BDL	BDL	3.4	BDL	-	-	-
21	RIVER SAL PAZORCONI	52.0	16.83	2.4	22.25	24.4	64.0	60.0	8.0	BDL	BDL	48.5	BDL	-	-	-
22	RIVER KUSHAWATI NEAR BUND AT KEVONA	26.0	4.8	3.4	2.00	26.0	46.0	36.0	10.0	BDL	BDL	1.7	BDL	-	-	-
23	RIVER SAL NEAR HOTEL LEELA MOBOR, CAVELOSSIM	6000.0	641.3	1069.2	3078.3	14024.0	26628.0	15672.0	61.0	0.03	1.33	756.6	0.76	-	-	-
24	RIVER MAPUSA ON CULVERT ON HIGHWAY MAPUSA-PANAJI	58.0	15.2	5.00	26.00	44.8	244	120.0	14.0	0.06	BDL	8.7	BDL	-	-	-
25	RIVER CHAPORA NEAR ALORNA FORT , PERNEM	106.0	12.0	18.5	49.00	162.7	755.0	380.0	12.0	BDL	BDL	16.5	BDL	-	-	-
26	RIVER BICHOLIM BARAZAN NAGAR, BICHOLIM	28.0	6.4	2.9	3.3	220.5	50.0	33.0	10.0	0.02	BDL	23	0.60	-	-	-
27	ANJUNEM LAKE	12.0	2.4	BDL	BDL	26.3	27.0	12.0	8.0	BDL	BDL	1.7	BDL	-	-	-
28	RUMDER LAKE	20.0	6.4	BDL	9.96	28.2	60.0	40.0	43.0	0.08	BDL	2.6	0.24	-	-	-
29	CARAMBOLIM LAKE	52.0	12.0	5.3	5.76	28.4	88.0	55.0	11.0	0.04	BDL	7.6	BDL	-	-	-
30	RAIA LAKE	30.0	5.6	3.9	5.97	25.3	64.0	44.0	28.0	0.03	0.2	3.7	BDL	-	-	-
31	SAIPEM LAKE	80.0	13.6	11.2	7.5	37.1	183.0	113.0	31.0	0.27	BDL	11.4	0.26	-	-	-
32	CURTORIM LAKE	28.0	7.2	2.4	3.6	25.4	56.0	40.0	32.0	0.03	0.8	4	0.30	-	-	-
33	RIVER ZUARI AT BORIM BRIDGE	600.0	160.3	48.6	3692.90	366.8	7388.0	5300.0	42.0	0.025	0.24	27.9	0.32	-	-	-
34	RIVER ZUARI AT MADKAI JETTY	11800.0	1162.3	1458.0	2123.98	8574	22507.0	12209.0	26.0	0.047	BDL	527.4	0.21	-	-	-
35	RIVER SAL AT KHAREBAND, MARGAO	40.0	12.0	2.43	12.2	45.2	87.0	52.0	39.0	0.09	BDL	10.4	BDL	-	-	-
36	RIVER SAL AT ORLIM BRIDGE	184	28.1	27.7	47.80	623.7	1071.0	648.0	46.0	0.09	BDL	50.10	BDL	-	-	-
37	RIVER MANDOVI AT AMONA BRIDGE	800.0	80.20	145.8	1526.4	622.9	2186.0	1530.0	8.0	0.020	BDL	49.8	0.47	-	-	-
38	RIVER MANDOVI AT IFFI JETTY	6400.0	1442.9	680.04	1341.94	2816.0	13719.00	6725.0	39.0	0.067	BDL	245.1	0.22	-	-	-
39	RIVER MANDOVI NEAR HOTEL MARRIOT	6400.0	1402.8	704.7	2216.7	2959.0	21136.0	12272.0	32.0	0.932	BDL	236.4	0.2	-	-	-
40	RIVER TIRACOL AT TIRACOL	4600.0	320.6	923.0	2213.0	6888.0	24714.0	18714.0	26.0	0.04	1.2	433.2	2.1	-	-	-
41	RIVER CHAPORA AT SIOLIM BRIDGE	10000.0	3206.4	486.0	3129.0	9450.00	28161.0	20661.0	23.0	0.05	1.2	568.8	2.40	-	-	-
42	RIVER SINQUERIM CANDOLIM NEAR BRIDGE	5600.0	721.4	923.4	1601.3	9258.0	27427.0	16797.0	61.0	0.02	1.67	563.6	0.82	-	-	-
43	RIVER SINQUERIM NEAR NERUL TEMPLE	4800.0	641.3	777.6	1799.7	10804.0	28282.0	16921.0	70.0	0.03	1.74	641.7	0.9	-	-	-
44	TIRACOL BEACH	6800.0	881.8	1117.8	3445.9	10281.0	30120.0	21120.0	33.0	0.08	1.5	617.7	2.40	-	-	-
45	MIRAMAR BEACH	7900.0	1803.6	826.2	3984.66	9218.0	27997.0	14303.0	41.0	0.062	BDL	571.3	0.28	-	-	-
46	CALANGUTE BEACH	5200.0	961.9	680.4	3360.3	12157.0	30231.0	18769.0	52.0	BDL	1.31	675.2	0.70	-	-	-
47	MORJIM BEACH	8000.0	1202.0	1215.0	3642.6	10426.0	31150.0	22150.0	30.0	0.1	1.7	610.8	2.6	-	-	-
48	MOBOR BEACH	5600.0	1843.7	243.0	3532.4	12546.0	28977.0	17291.0	70.0	0.07	1.31	656.9	0.82	-	-	-
49	BAINA BEACH	7600.0	881.8	1312.2	1497.60	5721.0	31360.0	19129.0	7.0	0.05	1.88	377.2	1.25	-	-	-
50	GALGIBAG BEACH	6800.0	2405.0	194.4	2889.60	2220.0	29360.0	19996.0	36.0	0.034	0.22	136.6	BDL	-	-	-
51	COLVA BEACH	5800.0	425.0	1152.0	1870.0	10547.0	29606.0	28585.0	174.0	0.06	3.71	8325	BDL	-	-	-
52	VAGATOR BEACH	4800.0	641.3	777.6	3522.9	13888.0	30125.0	18552.0	61.0	0.03	1.35	776.6	0.73	-	-	-
53	VELSAO BEACH	7400.0	961.9	1215.0	1584.0	4891.0	33500.0	21775.0	8.0	0.05	1.65	349.0	1.19	-	-	-
54	HARWALE WATER FALL	20.0	8.0	BDL	BDL	25.8	80.0	38.0	11.0	BDL	BDL	1.9	BDL	-	-	-
55	SALMONA SPRING	16.0	4.8	BDL	BDL	30.5	61.0	37.0	24.0	BDL	BDL	5.6	BDL	-	-	-
56	CHAPOLI DAM	16.0	4.80	BDL	11.99	25.3	41.0	23.0	25.0	0.073	BDL	4.3	BDL	-	-	-

Please note : BDL-Below Detection Limit