

GANESH VISARJAN DATA FOR THE YEAR 2015

River Mandovi at Ferry Point 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	7.18	7.5	6.56
2	Temperature °C	29.6	29.2	31.9
3	Cond ms/cm	37.5	48.7	18.61
4	Turb NTU	5.26	17.47	2.58
5	DO mg/l	6.9	3.1	6.8
6	BOD mg/l	3.8	0.4	2.2
7	COD mg/l	-	-	-
8	No ₃ -N mg/l	0.2	0.146	0.11
9	No ₂ -N mg/l	0.009	0.015	0.006
10	PO ₄ -P mg/l	0.01	0.03	0.02
11	Ca mg/l	313	481	240
12	So ₂ -4 mg/l	1478	2678	613
13	Chloride mg/l	14676	26295	13064
14	NH ₃ -N mg/l	0.09	0.05	0.19
15	Fecal Coliform MPN/100ml	7900	7900	2300
16	Total Coliform MPN/100 ml	13000	13000	4900
17	Ni mg/l	0.19	0.05	0.07
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	BDL
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	0.03	BDL	BDL
22	Co mg/l	0.22	0.2	0.02
23	Pb mg/l	0.32	0.38	0.09
24	Fe mg/l	5.06	BDL	BDL
25	Mn mg/l	0.08	0.02	BDL

River Mapusa at Taricode- Mapusa 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.87	6.86	7.11
2	Temperature °C	21.1	31	29.7
3	Cond µs/cm	666	780	497.27
4	Turb NTU	8.65	7.24	4.22
5	DO mg/l	3.1	4.8	1.6
6	BOD mg/l	1.5	1.8	2
7	COD mg/l	13	12	12
8	No ₃ -N mg/l	0.19	0.023	0.15
9	No ₂ -N mg/l	0.009	0.003	0.019
10	PO ₄ -P mg/l	0.003	0.01	0.06
11	Ca mg/l	11	12	13
12	So ₂ -4 mg/l	10	18	14
13	Chloride mg/l	117	191	213
14	NH ₃ -N mg/l	0.08	0.02	0.37
15	Fecal Coliform MPN/100ml	11000	11000	13000
16	Total Coliform MPN/100 ml	14000	17000	24000
17	Ni mg/l	0.08	0.33	0.1
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	BDL
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	BDL	0.02	BDL
22	Co mg/l	BDL	0.07	0.03
23	Pb mg/l	BDL	0.07	0.1
24	Fe mg/l	BDL	2.2	2.8
25	Mn mg/l	0.03	0.029	BDL

Carambolim Lake at Carambolim 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.79	6.85	6.67
2	Temperature °C	31.6	33.4	31.8
3	Cond µs/cm	122.59	133.5	133.5
4	Turb NTU	12.26	5.31	4.56
5	DO mg/l	6.8	2	2.1
6	BOD mg/l	6.2	-	4
7	COD mg/l	17	8	18
8	No ₃ -N mg/l	0.09	0.011	BDL
9	No ₂ -N mg/l	0.008	0.002	0.002
10	PO ₄ -P mg/l	0.002	0.04	0.01
11	Ca mg/l	12	14	14
12	So ₂ -4 mg/l	6	11	5
13	Chloride mg/l	8	10	30
14	NH ₃ -N mg/l	0.43	0.03	0.12
15	Fecal Coliform MPN/100ml	780	4900	1700
16	Total Coliform MPN/100 ml	1100	7900	2700
17	Ni mg/l	0.11	0.04	BDL
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	0.04	0.07	0.08
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	BDL	BDL	0.03
23	Pb mg/l	BDL	BDL	BDL
24	Fe mg/l	1.5	2.82	0.02
25	Mn mg/l	0.02	0.42	0.01

Carkhamba (Mansher) Panaji – St. Cruz road 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.73	7.4	6.75
2	Temperature °C	29.5	32	32.2
3	Cond ms/cm	31.6	27.97	23.56
4	Turb NTU	3.29	5.34	2.66
5	DO mg/l	5.1	6	5.7
6	BOD mg/l	1.2	2.2	1.5
7	COD mg/l	-	-	-
8	No ₃ -N mg/l	0.16	0.017	0.07
9	No ₂ -N mg/l	0.006	0.004	0.003
10	PO ₄ -P mg/l	0.002	0.01	0.03
11	Ca mg/l	240	260	240
12	So ₂ -4 mg/l	1020	1072	858
13	Chloride mg/l	14383	15043	13948
14	NH ₃ -N mg/l	0.05	0.01	0.16
15	Fecal Coliform MPN/100ml	7900	7900	7000
16	Total Coliform MPN/100 ml	13000	17000	11000
17	Ni mg/l	0.15	0.4	0.13
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	BDL
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	0.02	BDL	BDL
22	Co mg/l	0.21	0.17	0.05
23	Pb mg/l	0.3	0.19	0.08
24	Fe mg/l	2.35	BDL	BDL
25	Mn mg/l	0.04	0.02	BDL

Near the bridge , Chereaband , Dandora, Cuncolim 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	7.19	7.08	6.86
2	Temperature °C	28.2	30.4	29.4
3	Cond µs/cm	63.97	64.1	68.1
4	Turb NTU	2.55	7.3	2.35
5	DO mg/l	7.2	8.1	7.5
6	BOD mg/l	0.6	1.4	0.1
7	COD mg/l	15	12	10
8	No ₃ -N mg/l	0.27	0.19	0.14
9	No ₂ -N mg/l	0.008	0.002	0.006
10	PO ₄ -P mg/l	0.32	0.02	0.003
11	Ca mg/l	8	14	16
12	So ₂ -4 mg/l	224	2	12
13	Chloride mg/l	9	10	11
14	NH ₃ -N mg/l	0.02	0.004	0.01
15	Fecal Coliform MPN/100ml	13000	11000	4900
16	Total Coliform MPN/100 ml	24000	17000	7900
17	Ni mg/l	0.09	BDL	0.09
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	BDL
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	0.06	0.08	BDL
23	Pb mg/l	0.07	BDL	BDL
24	Fe mg/l	10.4	BDL	BDL
25	Mn mg/l	0.25	BDL	0.05

Near Railway bridge, Khandiwada , Curchorem 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.9	7.17	6.79
2	Temperature °C	28.4	29.5	29
3	Cond µs/cm	58.7	87.7	64.4
4	Turb NTU	5.58	4.74	4.44
5	DO mg/l	8.3	7.8	7.1
6	BOD mg/l	1.4	2.5	2.6
7	COD mg/l	2	6	-
8	No ₃ -N mg/l	0.03	0.004	0.12
9	No ₂ -N mg/l	0.01	0.005	0.06
10	PO ₄ -P mg/l	0.06	0.03	0.01
11	Ca mg/l	6	6	6
12	So ₂ -4 mg/l	5	3	2
13	Chloride mg/l	13	13	9
14	NH ₃ -N mg/l	0.01	0.03	0.12
15	Fecal Coliform MPN/100ml	7900	4900	4900
16	Total Coliform MPN/100 ml	13000	7000	7900
17	Ni mg/l	0.13	BDL	0.06
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	0.02
20	Cd mg/l	0.02	0.01	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	0.06	0.07	BDL
23	Pb mg/l	0.07	BDL	BDL
24	Fe mg/l	0.3	BDL	BDL
25	Mn mg/l	BDL	BDL	0.05

Paraste, Harmalkar wada, Pernem 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.72	7.28	7.39
2	Temperature °C	28.8	30.3	28.4
3	Cond µs/cm	9240	14750	1079
4	Turb NTU	6.01	19.1	36.9
5	DO mg/l	6.5	6.9	6.3
6	BOD mg/l	1.2	1.2	1.6
7	COD mg/l	-	-	-
8	No ₃ -N mg/l	0.09	0.014	0.07
9	No ₂ -N mg/l	0.004	0.003	0.016
10	PO ₄ -P mg/l	0.001	0.01	0.01
11	Ca mg/l	88	601	10
12	So ₂ -4 mg/l	139	504	20
13	Chloride mg/l	3131	5895	3837
14	NH ₃ -N mg/l	0.08	0.01	0.1
15	Fecal Coliform MPN/100ml	4900	4900	3300
16	Total Coliform MPN/100 ml	7900	7900	7000
17	Ni mg/l	0.06	0.15	BDL
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	BDL
20	Cd mg/l	BDL	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	0.06	0.08	0.03
23	Pb mg/l	BDL	0.13	BDL
24	Fe mg/l	BDL	7.34	2.28
25	Mn mg/l	0.04	0.08	BDL

Daudkiwada River, Daudkiwada-velus, ward no. 1, Valpoi 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	7.46	6.84	7
2	Temperature °C	27	32.1	27.9
3	Cond µs/cm	68.8	75.8	67.12
4	Turb NTU	2.37	0.96	4.73
5	DO mg/l	8.2	8	7.7
6	BOD mg/l	1.6	1.6	1.3
7	COD mg/l	7	3	2
8	No ₃ -N mg/l	0.15	0.025	0.08
9	No ₂ -N mg/l	0.002	0.001	BDL
10	PO ₄ -P mg/l	0.001	0.01	0.01
11	Ca mg/l	6	8	6
12	So ₂ -4 mg/l	2	2	3
13	Chloride mg/l	1	1	4
14	NH ₃ -N mg/l	0.01	0.01	0.04
15	Fecal Coliform MPN/100ml	4900	7900	4900
16	Total Coliform MPN/100 ml	7900	13000	7900
17	Ni mg/l	0.04	0.07	BDL
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	0.03	0.04	BDL
20	Cd mg/l	0.01	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	BDL	BDL	BDL
23	Pb mg/l	BDL	BDL	BDL
24	Fe mg/l	BDL	BDL	BDL
25	Mn mg/l	BDL	0.01	BDL

Near bridge, Orcotto, ward no. 4, Sanguem 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.23	7.06	6.99
2	Temperature °C	28	28.5	28.6
3	Cond µs/cm	51.3	82.2	74.6
4	Turb NTU	11.52	7.4	11.36
5	DO mg/l	6.6	6.8	6.7
6	BOD mg/l	0.6	0.9	1.4
7	COD mg/l	2	4	3
8	No ₃ -N mg/l	0.1	0.027	0.1
9	No ₂ -N mg/l	0.01	0.003	0.001
10	PO ₄ -P mg/l	0.01	0.02	0.01
11	Ca mg/l	5	10	7
12	So ₂ -4 mg/l	5	5	4
13	Chloride mg/l	8	6	6
14	NH ₃ -N mg/l	0.03	0.02	0.05
15	Fecal Coliform MPN/100ml	3300	4900	3300
16	Total Coliform MPN/100 ml	4600	7900	4900
17	Ni mg/l	0.11	0.05	BDL
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	0.05	BDL	BDL
20	Cd mg/l	0.01	0.01	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	BDL	0.04	BDL
23	Pb mg/l	0.07	BDL	BDL
24	Fe mg/l	0.63	BDL	0.82
25	Mn mg/l	0.03	BDL	0.01

Pimpolcotto, ward no. 2, Sanguem 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	7.13	8.13	7.08
2	Temperature °C	28	29.5	28.9
3	Cond µs/cm	61.9	64.3	58.6
4	Turb NTU	6.28	4.58	4.82
5	DO mg/l	7.3	7.6	7.5
6	BOD mg/l	3	1.9	1.3
7	COD mg/l	-	4	-
8	No ₃ -N mg/l	0.09	0.096	0.09
9	No ₂ -N mg/l	0.01	0.001	0.01
10	PO ₄ -P mg/l	0.01	0.05	0.002
11	Ca mg/l	6	4	5
12	So ₂ -4 mg/l	3	2	2
13	Chloride mg/l	11	7	5
14	NH ₃ -N mg/l	0.03	0.01	0.02
15	Fecal Coliform MPN/100ml	4900	4900	3300
16	Total Coliform MPN/100 ml	7000	7900	4900
17	Ni mg/l	0.09	BDL	0.04
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	0.05	0.03
20	Cd mg/l	0.01	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	BDL	0.07	0.06
23	Pb mg/l	0.06	BDL	BDL
24	Fe mg/l	BDL	BDL	BDL
25	Mn mg/l	0.05	0.05	0.05

Panefond River, Kindlebag, ward no. 5, Canacona 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	6.88	6.36	7.32
2	Temperature °C	29.1	30.4	30.2
3	Cond ms/cm	6.66	20.13	10.18
4	Turb NTU	6.26	3.76	3.5
5	DO mg/l	7.1	6.7	6.5
6	BOD mg/l	1.8	3.5	0.6
7	COD mg/l	-	-	-
8	No ₃ -N mg/l	0.2	0.07	0.07
9	No ₂ -N mg/l	0.009	0.004	0.007
10	PO ₄ -P mg/l	0.03	0.04	0.01
11	Ca mg/l	120	1000	1500
12	So ₂ -4 mg/l	508	553	1401
13	Chloride mg/l	4499	8372	4624
14	NH ₃ -N mg/l	0.04	0.05	BDL
15	Fecal Coliform MPN/100ml	17000	7900	11000
16	Total Coliform MPN/100 ml	35000	13000	17000
17	Ni mg/l	0.09	0.1	0.11
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	0.07
20	Cd mg/l	0.02	BDL	BDL
21	Cu mg/l	BDL	BDL	BDL
22	Co mg/l	BDL	0.04	BDL
23	Pb mg/l	BDL	0.19	BDL
24	Fe mg/l	1.6	0.06	BDL
25	Mn mg/l	0.02	0.04	BDL

Baina Beach, Vasco 2015

Sr.No	Parameters	Before Ganesh Visarjan	After Ganesh Visarjan	After 15 day of Ganesh visarjan
1	pH	7.75	7.3	7.98
2	Temperature °C	30.4	30	30.9
3	Cond ms/cm	50.6	51.7	51.4
4	Turb NTU	1.58	2.83	4.06
5	DO mg/l	5.1	6.8	7.8
6	BOD mg/l	0.4	5.6	2.2
7	COD mg/l	-	-	-
8	No ₃ -N mg/l	0.17	0.12	0.1
9	No ₂ -N mg/l	0.009	0.004	0.008
10	PO ₄ -P mg/l	0.04	0.06	0.04
11	Ca mg/l	1000	3000	2500
12	So ₂ -4 mg/l	1291	1542	977
13	Chloride mg/l	42237	26492	3374
14	NH ₃ -N mg/l	0.06	0.01	0.02
15	Fecal Coliform MPN/100ml	540	240	350
16	Total Coliform MPN/100 ml	920	350	540
17	Ni mg/l	0.14	0.08	0.13
18	Cr mg/l	BDL	BDL	BDL
19	Zn mg/l	BDL	BDL	0.08
20	Cd mg/l	0.02	BDL	BDL
21	Cu mg/l	0.01	BDL	BDL
22	Co mg/l	0.35	0.09	BDL
23	Pb mg/l	0.53	0.27	BDL
24	Fe mg/l	7.28	BDL	BDL
25	Mn mg/l	0.1	0.02	BDL