

Secondary Data on River Water Quality Provided by NMC, 2010

a) Godavari River at Ramkund

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.31	8.31	7.14	6.97	7.25	8.60	8.50	7.90	7.51	8.57	7.61	7.23
Conductivity	151	451	177	183	236	201	301	384	387	360	400	481
DO	4.60	4.90	4.80	5.40	5.70	4.40	4.40	5.10	5.10	4.90	5.40	4.20
BOD	18.00	16.00	14.00	12.00	7.00	14.00	16.00	16.00	4.80	16.00	10.00	12.00
Nitrate	3.09	3.10	3.31	0.39	0.76	3.49	1.20	4.73	2.69	2.86	0.31	3.63
Ammonia	0.67	1.20	0.48	0.49	0.49	0.33	0.52	0.65	0.37	0.07	0.21	0.48
Total Coliform	40.00	40.00	35.00	35.00	35.00	30.00	35.00	35.00	45.00	300.00	110.00	170.00
Fecal Coliform	11.00	20.00	14.00	14.00	14.00	9.00	9.00	14.00	17.00	80.00	30.00	34.00

b) Godavari River at D/S.of Nashik

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.40	8.40	7.06	7.07	7.35	7.80	8.40	8.10	8.17	8.60	7.36	7.27
Conductivity	189	483	183	161	286	197	358	380	297	337	436	532
DO	5.40	5.80	5.60	1.80	5.20	5.10	5.00	5.60	5.50	4.90	5.50	5.10
BOD	14.00	12.00	10.00	35.00	10.00	12.00	14.00	10.00	4.50	20.00	12.00	8.00
Nitrate	3.53	2.90	0.97	0.41	0.61	2.83	0.80	4.80	2.99	3.37	0.21	4.06
Ammonia	0.81	0.84	0.31	1.43	0.51	0.59	0.48	0.26	0.32	BDL	0.16	0.43
Total Coliform	25.00	30.00	45.00	40.00	35.00	40.00	30.00	25.00	35.00	900.00	130.00	220.00
Fecal Coliform	12.00	14.00	17.00	9.00	12.00	14.00	8.00	9.00	9.00	80.00	34.00	50.00

Secondary Data on River Water Quality Provided by NMC, 2010

c) Godavari River at Someshwar Temple

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.03	8.30	7.36	7.72	7.66	8.30	8.40	8.16	8.25	8.61	7.32	7.70
Conductivity	167.00	250.60	161.10	117.00	230.70	168.00	360.00	365.00	369.00	331.00	431.00	353.00
DO	5.80	5.80	5.80	6.60	5.90	5.50	5.80	6.10	6.90	6.00	6.00	5.80
BOD	10.00	10.00	9.00	3.00	8.00	10.00	9.00	8.00	4.00	4.00	4.00	6.00
Nitrate	2.99	0.78	0.52	0.48	0.87	0.45	0.77	4.84	1.14	2.88	1.96	2.14
Ammonia	0.69	1.20	0.41	0.47	1.08	1.16	0.41	0.12	0.47	0.09	1.80	0.29
Total Coliform	17.00	25.00	30.00	20.00	30.00	20.00	25.00	25.00	50.00	350.00	35.00	40.00
Fecal Coliform	9.00	9.00	14.00	5.00	12.00	5.00	7.00	6.00	17.00	40.00	11.00	17.00

d) Godavari River at Chikhali Nalla

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.17	7.99	7.24	6.95	7.44	8.40	8.10	8.14	8.21	8.75	7.63	7.09
Conductivity	210.00	892.60	851.00	120.00	1305.00	1047.00	599.00	1395.00	1397.00	1360.00	7.29	958.00
DO	5.60	5.20	5.60	4.90	3.80	5.60	4.80	4.30	4.50	4.70	4.20	3.80
BOD	12.00	12.00	8.00	15.00	18.00	8.00	12.00	22.00	8.00	26.00	16.00	16.00
Nitrate	4.31	3.32	3.40	0.78	2.16	5.20	2.44	4.50	1.06	5.23	8.68	2.22
Ammonia	12.20	4.80	6.48	5.78	7.20	3.40	3.80	2.09	0.83	0.30	5.80	4.80
Total Coliform	40.00	45.00	30.00	50.00	55.00	40.00	40.00	40.00	45.00	900.00	90.00	80.00
Fecal Coliform	14.00	17.00	17.00	17.00	35.00	9.00	12.00	12.00	9.00	170.00	26.00	33.00

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e) Godavari River at Hanuman Ghat

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.10	7.97	7.05	7.10	7.51	8.50	8.20	8.17	8.10	8.77	7.23	7.00
Conductivity	...	526.80	250.00	121.00	311.70	224.00	1145.00	516.00	697.00	560.00	898.00	663.00
DO	5.80	4.80	5.80	5.30	5.10	4.80	5.30	5.50	3.90	4.80	6.40	6.20
BOD	10.00	12.00	12.00	10.00	8.00	12.00	10.00	12.00	10.00	8.00	6.00	5.00
Nitrate	1.18	4.45	4.00	0.30	1.68	2.27	1.32	4.44	2.82	3.75	0.22	3.48
Ammonia	0.98	0.70	3.10	0.96	0.98	0.80	2.40	0.68	0.39	0.05	0.14	1.20
Total Coliform	40.00	30.00	25.00	35.00	40.00	25.00	35.00	35.00	35.00	500.00	60.00	60.00
Fecal Coliform	11.00	14.00	9.00	9.00	12.00	9.00	9.00	9.00	17.00	80.00	17.00	21.00

e) Godavari River at Tapovan

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.62	8.01	6.95	6.79	7.35	8.60	8.20	8.15	8.25	8.78	7.85	6.95
Conductivity	252.00	752.00	212.00	135.00	343.00	192.00	396.00	424.00	560.00	338.00	583.00	656.00
DO	5.50	4.60	5.50	4.80	5.60	4.40	4.90	5.60	4.00	4.70	4.80	6.20
BOD	12.00	14.00	12.00	15.00	12.00	14.00	12.00	12.00	12.00	10.00	9.00	4.00
Nitrate	1.50	4.30	4.40	0.42	0.77	4.34	1.20	5.28	1.15	5.37	2.16	1.27
Ammonia	4.30	0.57	2.80	4.72	0.84	0.78	1.80	0.54	0.29	0.13	1.93	1.48
Total Coliform	35.00	40.00	35.00	40.00	40.00	40.00	35.00	30.00	17.00	300.00	70.00	170.00
Fecal Coliform	9.00	20.00	14.00	12.00	17.00	12.00	9.00	9.00	5.00	90.00	21.00	34.00

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f) Kapila Godavai Confluence Point

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.61	8.03	7.64	8.10	7.38	8.40	8.20	8.21	8.30	8.70	7.85	7.80
Conductivity	234.00	752.50	182.60	714.00	344.00	194.00	474.40	455.00	491.00	401.00	551.00	572.00
DO	6.30	5.90	6.30	4.80	6.08	5.90	6.30	6.30	5.20	6.10	6.50	6.10
BOD	6.00	8.00	6.00	16.00	7.00	6.00	6.00	5.00	13.00	6.00	4.00	5.00
Nitrate	1.20	3.41	3.43	0.40	0.84	5.01	0.93	4.59	1.37	5.30	0.42	3.31
Ammonia	3.40	0.34	1.64	3.81	0.38	0.50	0.63	1.27	0.41	0.05	0.31	0.82
Total Coliform	25.00	11.00	20.00	25.00	45.00	35.00	25.00	25.00	25.00	350.00	50.00	110.00
Fecal Coliform	5.00	5.00	9.00	9.00	20.00	9.00	7.00	7.00	14.00	60.00	17.00	30.00

g) Godavari River at Saikheda

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.10	8.37	7.17	7.50	7.78	7.50	8.30	8.71	8.60	8.81	7.14	7.49
Conductivity	15.70	284.30	394.00	150.00	361.00	156.00	341.00	256.00	199.00	605.00	644.00	631.00
DO	6.30	6.60	6.30	6.30	6.12	6.30	6.10	6.30	6.20	6.20	5.80	6.30
BOD	6.00	6.00	6.00	5.00	5.00	6.00	6.00	5.00	4.00	9.00	8.00	6.00
Nitrate	1.47	1.42	1.75	0.60	0.63	0.58	4.09	2.09	1.50	3.51	0.48	5.41
Ammonia	0.40	0.24	0.15	0.26	0.32	BDL	0.28	0.04	0.30	0.08	0.28	0.90
Total Coliform	20.00	14.00	17.00	25.00	20.00	14.00	20.00	20.00	30.00	280.00	25.00	50.00
Fecal Coliform	9.00	4.00	5.00	6.00	7.00	4.00	9.00	6.00	14.00	40.00	8.00	22.00

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h) Darna River at MES site Pumping Sta.Bhagur Nashik

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	7.81	8.03	7.61	7.73	7.83	7.50	8.10	8.29	8.30	8.36	7.60	7.75
Conductivity	147.30	161.50	175.00	135.00	265.00	182.00	413.00	142.00	181.00	411.00	246.00	163.00
DO	6.40	6.90	6.80	6.80	6.50	6.80	6.50	6.80	5.00	5.50	5.40	5.60
BOD	6.00	4.00	3.00	3.00	5.0	3.00	4.00	3.00	3.00	6.00	5.00	8.00
Nitrate	2.09	0.37	2.55	0.44	0.99	0.40	2.58	1.55	1.39	0.15	0.41	0.14
Ammonia	0.14	0.18	0.21	0.45	0.29	0.11	0.21	BDL	0.36	BDL	0.18	0.15
Total Coliform	20.00	14.00	14.00	20.00	30.00	20.00	20.00	25.00	13.00	110.00	40.00	34.00
Fecal Coliform	7.00	4.00	6.00	5.00	8.00	6.00	8.00	6.00	8.00	60.00	14.00	13.00

i) Darna River at Bhagur Pumping Sta.Pandurli Nashik

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.03	7.81	7.11	7.72	7.69	7.60	8.50	8.30	8.67	8.40	7.71	7.81
Conductivity	128.00	158.00	188.00	130.00	259	181.00	210.00	174.00	174.00	120.00	231.00	450.00
DO	6.80	6.80	6.80	6.60	6.70	6.50	6.50	6.50	6.50	6.00	5.20	26.00
BOD	4.00	4.00	4.00	4.00	6.00	4.00	4.00	4.00	2.00	4.00	6.00	6.00
Nitrate	1.87	0.52	3.00	0.31	1.21	0.30	2.58	1.48	2.09	0.76	0.29	6.07
Ammonia	0.20	0.26	0.13	0.29	0.62	0.22	0.12	0.19	0.18	0.054	0.25	0.102
Total Coliform	25.00	14.00	20.00	20.00	35.00	20.00	20.00	25.00	17.00	300.00	20.00	40.00
Fecal Coliform	9.00	5.00	9.00	4.00	12.00	4.00	5.00	6.00	7.00	70.00	6.00	17.00

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j) Darna River at Sansari Nashik

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	8.17	7.59	7.55	7.31	7.66	7.60	8.50	8.70	8.50	7.92	7.52	7.84
Conductivity	167.80	147.60	176.00	134.00	304.00	179.00	355.00	170.00	177.00	210.00	456.00	476.00
DO	6.30	6.30	6.30	6.80	6.60	6.30	6.30	6.30	4.80	6.10	4.90	5.60
BOD	6.00	6.00	5.00	3.00	5.00	5.00	5.00	5.00	5.00	8.00	10.00	10.00
Nitrate	1.54	0.29	2.90	1.34	0.54	1.01	1.52	1.50	1.54	2.67	0.41	5.97
Ammonia	0.41	0.40	0.16	0.40	0.31	0.16	0.12	BDL	0.30	0.17	0.31	0.26
Total Coliform	20.00	17.00	17.00	25.00	25.00	25.00	17.00	25.00	17.00	350.00	60.00	50.00
Fecal Coliform	7.00	4.00	4.00	9.00	7.00	6.00	6.00	9.00	2.00	70.00	21.00	21.00

k) Goda River at Anandwali MIDC Pumping Station, Nashik

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	7.86	8.01	7.54	7.74	7.49	8.40	8.10	7.56	7.24	8.36	7.72	7.40
Conductivity	244	272	158	118	223	142	323	346	310	384	438	258
DO	6.70	6.80	6.80	6.60	6.40	6.80	5.30	5.90	5.00	4.90	6.40	5.20
BOD	3.00	4.00	4.00	4.00	3.00	4.00	13.00	12.00	3.50	6.00	6.00	14.00
Nitrate	2.99	1.19	0.52	..	0.81	BDL	2.40	12.81	5.17	11.22	9.33	7.94
Phosphate	0.12	0.14	0.16	0.10	0.62	BDL	0.31	0.35	BDL	BDL	BDL	BDL
TAN	1.60	0.21	0.25	0.34	0.48	0.12	0.26	1.20	6.40	4.20	0.41	0.48
Total Coliform	20.00	17.00	25.00	11.00	25.00	25.00	25.00	25.00	20.00	60.00	17.00	34.00
Fecal Coliform	7.00	8.00	9.00	5.00	8.00	6.00	6.00	8.00	9.00	18.00	9.00	11.00

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l) Goda River at Khushvrth Kund Nashik

Parameter	Jan	Mar	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	7.56	7.41	6.91	7.10	8.20	6.76	8.00	7.61	7.81	7.20
Conductivity	332.00	351.00	382.00	535.00	221.00	432.00	251.00	368.00	272.00	436.00
DO	3.20	5.20	4.20	3.80	5.60	4.70	4.60	NIL	4.70	4.80
BOD	25.00	15.00	36.00	35.00	12.00	5.60	7.00	10.00	12.00	14.00
Nitrate	...	3.53	0.68	0.31	0.42	0.50	0.30	9.04
Phosphate	0.20	0.12	1.96	0.10	BDL	BDL	BDL	BDL	BDL	BDL
Ammonia	...	0.00	2.30	0.68	2.40	BDL	...	0.04	0.10	3.2

m) Raw Water of Trimbak Municipal Council

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
pH	7.90	7.55	7.72	8.11	7.57	8.40	8.1	7.81	7.6	8.600	7.70	8.41
Conductivity	186	213	158	134	157	129	187	250	218	331	122	231
DO	6.60	6.80	6.70	5.90	5.90	5.90	5.8	5.70	2.8	5.00	4.40	4.80
BOD	3.00	4.00	4.00	3.00	6.00	5.00	10.00	8.00	4.00	7.00	5.00	11.00
Nitrate	1.14	0.37	0.21	..	0.82	1.05	2.283	0.79	1.096	0.84	0.47	0.92
Phosphate	0.18	0.14	0.14	0.02	BDL	BDL	BDL	1.51	BDL	BDL	BDL	BDL
TAN	2.20	0.13	0.16	0.28	0.60	0.11	0.91	1.90	2.7	0.782	0.88	0.40
Total Coliform	20.00	12.00	20.00	35.00	25.00	35.00	..	30.00	55.00	56.00	25.00	30.00
Fecal Coliform	9.00	4.00	7.00	9.00	9.00	9.00	..	7.00	40.00	11.00	8.00	11.00