

TABLE 5.4 :- WATER QUALITY OF TRIBUTARY STREAMS TONS, ASHWANI, BATTI, GIRI, PABBAR, KALINADI (W), HINDON, TONS (MP), BETWA, KALIASOT, KOLLAR, CHAMBAL, PARVATI, KHAN, KSHIPRA, KALI SINDH, SINDH, BICHIA, SANKH, JAMUNI, SONE, BANAS, CHHAPI AND UJAD - 2012

STATION CODE	LOCATIONS	STATE	TEMPERATURE °C			D.O. (mg/l)			pH			CONDUCTIVITY (µmhos/cm)			B.O.D. (mg/l)			NITRATE- N+ NITRITE-N (mg/l)			FECAL COLIFORM (MPN/100ml)			TOTAL COLIFORM (MPN/100ml)		
			Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean			
WATER QUALITY CRITERIA																										
1510	TONS RIVER, H.P	HIMACHAL PRADESH	8	16	12	8.4	9.7	9.1	6.8	7.9	7.3	38	168	70	0.2	0.7	0.3	0.00	6.28	0.91	26	64	43	1	138	28
2620	ASHWANI AT U/S YASHWANT NAGAR	HIMACHAL PRADESH	15	29	21	7.8	9.7	8.9	7.7	8.9	8.5	153	444	322	0.4	1.0	0.7	0.00	3.44	1.93	4	46	14	8	128	39
2626	BATTI AT U/S PAONTA	HIMACHAL PRADESH	14	25	20	6.0	9.0	7.7	6.6	8.1	7.6	183	490	294	0.8	1.8	1.3	0.11	1.07	0.34	3	13	8	9	24	17
2627	BATTI B/C TO YAMUNA	HIMACHAL PRADESH	14	26	21	6.0	8.9	7.5	6.5	8.1	7.5	182	499	302	0.8	1.6	1.3	0.09	1.04	0.35	5	13	8	11	25	18
2621	GIRI AT D/S YASHWANT NAGAR	HIMACHAL PRADESH	15	28	20	7.1	10.3	9.1	7.7	8.6	8.0	153	274	204	0.3	0.8	0.5	0.42	2.95	1.19	2	28	10	7	98	25
2622	GIRI AT U/S CCI MINES	HIMACHAL PRADESH	12	26	19	6.3	9.4	7.5	0.0	8.0	6.9	190	630	423	0.8	1.8	1.2	0.00	0.72	0.35	3	10	6	10	20	15
2623	GIRI D/S SAKTAUN	HIMACHAL PRADESH	11	25	18	6.1	9.3	7.5	6.4	8.0	7.5	193	997	488	1.0	1.6	1.3	0.03	0.78	0.35	4	10	7	9	18	15
2617	PABBAR AT U/S DHAMBARI	HIMACHAL PRADESH	6	15	10	8.9	10.1	9.6	6.5	8.0	7.3	48	170	71	0.1	0.5	0.2	0.00	2.71	0.63	2	2	2	2	24	7
2618	PABBAR AT U/S ROHRU	HIMACHAL PRADESH	7	15	12	8.6	9.8	9.1	6.3	8.9	7.3	36	164	68	0.1	1.0	0.3	0.01	3.24	0.70	2	74	19	2	146	21
2619	PABBAR AT D/S SWARAKUDDU	HIMACHAL PRADESH	8	17	12	8.3	9.9	9.1	7.1	8.0	7.5	56	167	77	0.1	0.7	0.3	0.00	2.95	0.72	10	40	21	2	86	17
2496	HINDON AT SARDHANA BUDHANA ROAD, VILLAGE BAPANSI, MEERUT	UTTAR PRADESH	9	35	22	0.0	0.0	0.0	6.7	7.8	7.3	690	980	770	40.0	64.0	51.5	7.60	8.50	8.06	200000	200000	172083	300000	300000	269167
1358	HINDON AT GHAZIABAD D/S	UTTAR PRADESH	13	31	22	0.0	0.0	0.0	6.9	7.6	7.3	490	1790	1164	23.0	80.0	45.6	0.50	2.10	1.01	68000	200000	143167	100000	300000	212500
1357	HINDON AT SAHARANPUR D/S	UTTAR PRADESH	10	19	16	1.0	3.4	2.5	7.2	7.5	7.4	490	528	506	14.0	24.0	18.9				2000	4600	2736	1400	2400	1655
1143	TONS AT CHAKGHAT	MADHYA PRADESH	18	36	24	6.1	7.6	6.7	7.1	7.8	7.6	0	4	1	1.7	3.5	2.6	1.21	3.69	2.23	4	50	27	60	350	226
2107	BETWA U/S, BEENA	MADHYA PRADESH	23	33	28	6.7	7.9	7.4	7.2	8.2	7.8	176	438	364	0.8	1.6	1.1	0.01	1.21	0.36				5	22	14
2108	BETWA D/S, BEENA	MADHYA PRADESH	23	32	28	6.9	7.6	7.3	7.6	8.3	8.0	183	428	353	0.7	1.8	1.2	0.01	1.22	0.35				5	24	16
2119	BETWA AT NAYAPUR D/S MANDIDEEP INDL. AREA NO.1, DIST RAISEN	MADHYA PRADESH	24	34	27	0.0	18.1	6.3	6.5	7.7	7.1	184	7040	2802	0.7	64	22.9	1.07	5.90	2.93	0	26	12	50	1600	920
2121	BETWA NEAR ROAD BRIDGE, BHOIPUR	MADHYA PRADESH	20	27	24	5.0	18.4	8.4	7.2	8.3	7.7	168	4820	1017	0.2	8.0	3.1	0.10	10.62	2.39	0	6	3	34	1600	340
2122	BETWA NEAR W/S INTAKE WELL POINT RAISEN	MADHYA PRADESH	22	25	23	5.2	9.0	6.8	6.9	8.1	7.7	210	571	418	0.6	2.5	1.4	0.62	3.05	1.73	0	4	1	27	1600	407
1614	BETWA NEAR INTAKE POINT, VIDISHA	MADHYA PRADESH	21	36	26	5.4	10.3	7.8	7.3	8.6	7.9	222	554	401	0.9	2.7	1.9	0.44	3.50	1.76	0	12	4	24	1600	295
2124	BETWA AT CHARANTIRGHAT, VIDISHA	MADHYA PRADESH	22	37	26	4.6	11.4	7.0	7.4	8.2	7.8	210	997	565	0.3	6.8	2.4	0.61	3.55	1.86	0	50	12	7	1600	483
2125	BETWA D/S AFTER MIXING OF RIVER BAIS AT VIDISHA	MADHYA PRADESH	22	36	26	4.5	9.7	7.0	7.2	8.2	7.8	1	998	484	0.8	8.0	3.0	0.19	4.90	1.98	6	70	19	23	1600	498
1735	BETWA AT GOVIND SAGAR	UTTAR PRADESH	15	32	26	5.6	8.9	6.5	8.2	9.1	8.6	180	275	230	1.8	2.6	2.2				2200	2500	2350	13000	14750	
1356	BETWA BEFORE CONF. YAMUNA AT HAMIRPUR	UTTAR PRADESH	15	38	27	4.6	8.7	6.4	8.0	8.5	8.2	135	551	379	2.0	3.3	2.6				4000	5000	4575	15000	22000	18250
2120	RIVER KALIASOT NEAR ROAD BRIDGE, MANDIDEEP	MADHYA PRADESH	20	33	25	3.3	16.3	7.6	5.2	8.1	7.6	369	1710	804	0.6	6.4	2.3	0.67	4.97	2.48	0	14	5	33	1600	274
1613	KOLAR DAM WATER SUPPLY INTAKE WELL, DIST. SEHORE	MADHYA PRADESH	20	33	26	4.8	8.1	6.9	7.3	8.6	7.9	155	602	312	0.4	14.0	2.8	0.30	2.35	1.20	0	2	1	17	170	65
1365	CHAMBAL AT NAGDA U/S (WATER INTAKE POINT)	MADHYA PRADESH	26	30	28	3.5	7.6	6.6	7.0	8.0	7.5	218	1180	538	1.0	4.0	2.4	0.00	3.66	1.09						
1366	CHAMBAL AT NAGDA D/S	MADHYA PRADESH	26	32	28	5.9	7.4	6.5	7.1	8.3	7.8	580	11700	5472	1.8	50.0	23.3	0.80	5.18	3.05						

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			Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean			
	WATER QUALITY CRITERIA																												
2955	CHAMBAL ENTERING IN RAJASTHAN AT GANDHI SAGAR DAM, KOTA	RAJASTHAN	23	30	26	4.0	8.7	6.0	7.1	8.4	7.8	320	790	435	0.2	2.9	1.3	0.08	0.58	0.38	3	4	3	4	4	14	8		
1418	CHAMBAL AT GANDHI SAGAR DAM, RAMPURA	MADHYA PRADESH	22	28	26	6.4	7.6	7.2	7.2	8.0	7.7	339	780	520	0.8	3.2	2.0	0.00	1.70	0.93									
1288	CHAMBAL AT KOTA U/S (INTAKE PT. NEAR BARRAGE)	RAJASTHAN	20	33	28	4.3	8.3	6.2	7.3	8.2	7.7	350	490	392	0.5	1.5	1.1	0.22	0.80	0.45	3	4	3	4	14	9			
1289	CHAMBAL AT KOTA D/S (2 KM. FROM CITY)	RAJASTHAN	17	32	26	3.7	7.7	5.2	7.4	8.4	8.0	300	930	595	1.2	3.5	2.3	0.22	0.62	0.42	4	14	8	14	460	125			
1413	CHAMBAL AT RAMESHWARGHAT NR. SAWAI MADHOPUR	RAJASTHAN	20	27	23	4.1	8.3	5.9	2.6	8.4	7.5	400	760	589	0.6	2.7	1.7	0.08	0.62	0.36	3	7	4	7	28	14			
1609	CHAMBAL AT DHOLPUR	MADHYA PRADESH	19	30	24	8.0	8.6	8.3	7.3	8.0	7.7	650	750	688	1.2	3.1	2.3	0.00	0.79	0.39									
1432	PARVATI NEAR VILLAGE BATAODAPAR	MADHYA PRADESH	20	28	24	8.1	8.2	8.2	7.1	7.7	7.4	170	985	578	1.4	2.2	1.8	0.45	0.55	0.50									
2126	PARVATI A/C OF VINDHYACHAL NALLA, PILUKHEDI	MADHYA PRADESH	16	38	25	6.0	7.3	6.7	7.3	7.7	7.5	0	1	1	2.6	3.9	3.2	0.17	3.82	2.10	14	50	33	70	500	299			
2954	PARVATI BEFORE MEETING RIVER CHAMBAL AT KHATOLI, KOTA	RAJASTHAN	16	32	25	3.1	7.8	5.2	7.6	8.3	8.0	220	930	534	0.5	15.4	2.6	0.42	1.84	0.95	3	7	4	4	20	11			
1607	GOHAD DAM, GOHAD, M.P	MADHYA PRADESH	20	24	22	5.8	8.2	7.6	7.3	8.1	7.7	680	880	757	1.7	3.6	2.3	0.00	0.92	0.39									
1367	KHAN AT KABIT KHEDI (NEAR INDORE)	MADHYA PRADESH	22	24	23	0.0	5.9	3.0	7.0	7.4	7.2	1413	1790	1602	50.0	50.0	50.0	10.28	11.19	10.74	63	430	247	1600	1600	1600			
1369	KSHIPRA AT RAMGHAT AT UJAIN	MADHYA PRADESH	24	31	27	6.8	7.6	7.1	7.2	8.6	8.0	244	1420	1006	1.8	18.0	11.1	0.25	4.30	2.28									
1370	KSHIPRA AT TRIVENISANGAM (1 KM. D/S OF SANGAM)	MADHYA PRADESH	22	30	27	4.3	7.5	6.6	7.0	8.5	7.9	308	1760	1090	1.6	30.0	11.9	0.84	3.47	2.03									
1468	KSHIPRA AT SIDHAWAT (D/S) OF UJAIN.	MADHYA PRADESH	23	31	26	5.0	14.0	9.6	7.1	8.4	7.9	512	1630	1143	1.6	22.0	10.8	0.17	3.50	1.84									
2953	KALI SINDH AT ANICUT OF M/S CFCL GADEPAN, KOTA	RAJASTHAN	15	30	25	3.0	7.9	5.1	7.3	8.3	7.8	220	700	514	0.5	26.9	3.4	0.32	1.02	0.66	3	7	4	4	28	16			
2956	KALI SINDH AT BAROD ROAD BRIDGE, KOTA	RAJASTHAN	16	30	25	3.6	7.4	5.4	7.5	8.3	7.9	170	950	573	0.4	7.7	2.1	0.32	2.62	1.12	3	7	4	4	28	12			
1608	SINDH AT DABRA	MADHYA PRADESH	15	29	24	7.9	8.4	8.1	7.3	8.3	7.7	450	1000	767	1.9	2.5	2.3	0.00	0.70	0.41									
2117	BICHIA, BDG GOVINDGARH ROAD	MADHYA PRADESH	16	39	25	5.0	7.6	6.3	7.1	7.5	7.3	0	1	1	2.0	5.8	3.9	1.31	4.92	3.00	30	70	52	140	1600	665			
1433	SANKH AT TIGRA RESERVOIR	MADHYA PRADESH	20	30	25	7.4	9.0	8.2	7.1	8.1	7.5	490	490	490	1.9	2.1	2.0	0.00	0.45	0.15									
3311	JAMUNI AT BARIYAGHAT U/S NEAR INTAKE POINT, TIKAMGARH	MADHYA PRADESH	25	34	30	6.7	7.6	7.2	7.1	8.2	7.8	239	515	363	0.4	1.5	1.0	0.00	0.83	0.27				5	30	17			
3327	SONE AT AMLAI, 100 METRE D/S AFTER MIXING OF ATPS EFFLUENT, REWA	MADHYA PRADESH	22	22	22	5.3	5.3	5.3	7.2	7.2	328	328	328	328	1.8	1.8	1.8	1.14	1.14	1.14									
2950	BANAS AT DHANARI DAM, NEAR SWAROOPGANJ, SIROHI	RAJASTHAN	18	25	22	1.6	9.1	5.5	7.5	8.0	7.8	220	1010	538	0.6	8.4	2.6	0.22	1.34	0.54	3	9	5	4	28	16			
2951	BANAS AT BISULPUR DAM, TONK	RAJASTHAN	18	22	20	4.9	7.3	5.9	7.7	8.3	8.0	310	560	398	0.5	2.8	1.5	0.14	0.92	0.48	3	4	4	4	14	11			
2952	BANAS AT NEAR NEWTA DAM, JAIPUR	RAJASTHAN	17	32	25	1.2	5.5	2.7	7.6	8.2	7.9	1100	2200	1631	4.2	39.9	17.2	0.58	1.90	1.13	4	14	8	14	240	48			
2945	CHHAPI AT UPSTREAM OF CHHAPI DAM, JHALAWAR	RAJASTHAN	18	37	27	3.1	8.4	5.7	7.3	8.6	8.0	300	660	444	0.8	4.8	1.9	0.38	11.68	1.59	3	7	4	4	28	15			
2946	UJAD AT UPSTREAM OF BHIM SAGAR DAM, JHALAWAR	RAJASTHAN	17	38	27	3.7	9.0	5.2	7.6	8.5	8.1	250	650	375	0.8	2.7	1.7	0.16	1.76	0.66	3	7	4	4	20	13			