

**TABLE 5.3 :- WATER QUALITY OF TRIBUTARY STREAMS SUSWA, GOLA, BHALLA, DHELA, KOSI, RAMGANGA, KALINADI (E), VARUNA, SAI, GOMTI, RAPTI, SARYU, GHAGHRA, RIHAND, SONE, GANDAK, SIKRANA, BURHI GANDAK, HARBORA, KAMLA, MANUSMAR, KOSHI, DAHA, DHOUS, FARMAR, RAM REKHA AND SIRSA - 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	Min	Max	Mean			
<b>WATER QUALITY CRITERIA</b>																													
2724	SUSWA RIVER AT MOTHRAWALA, DEHRADUN	UTTARAKHAND	17	32	24	0.6	5.8	2.8	6.5	7.9	7.5	524	908	710	12.0	46.0	27.6												
2728	GOLA RIVER AT HALDWANI	UTTARAKHAND	8	17	15	7.6	8.0	7.8	7.1	8.0	7.6	180	270	233	1.2	2.2	1.7												
2734	BHALLA RIVER U/S KASHIPUR	UTTARAKHAND	15	26	21	1.0	1.6	1.3	7.0	7.6	7.3	448	830	589	46.0	60.0	53.3												
2735	BHALLA RIVER AT LOHIA BRIDGE D/S KASHIPUR	UTTARAKHAND	15	26	21	0.8	1.0	0.9	6.8	7.8	7.3	236	1490	795	8.5	74.0	48.2												
2732	DHELA RIVER U/S AT KASHIPUR	UTTARAKHAND	15	26	22	0.8	1.2	1.0	6.8	7.5	7.0	340	480	403	42.0	58.0	52.2												
2733	DHELA RIVER D/S AT THAKURDWARA ALIGANJ ROAD	UTTARAKHAND	15	26	22	0.4	1.0	0.7	6.6	7.6	7.0	340	430	383	60.0	62.0	60.7												
2731	KOSI RIVER AT KASHIPUR BAIPUR ROAD BRIDGE	UTTARAKHAND	15	25	21	6.8	7.2	7.0	7.2	7.9	7.4	310	385	345	2.2	2.4	2.3												
1064	RAMGANGA AT KANNAUJ (B/C)	UTTAR PRADESH	16	31	25	4.5	12.3	7.7	7.3	9.0	8.1	30	786	175	4.8	6.8	5.7	0.00	4.42	1.42	9.00	4.42	1.42	900	21000	4700	2800	75000	21436
2497	KALI EAST AT KHARKHODA-PARIKSHIT GARH ROAD, VILL. KOL MEERUT	UTTAR PRADESH	11	37	23				7.3	7.9	7.6	1470	1942	1724	74.0	94.0	82.2	8.10	9.80	9.03	300000	300000	258750	400000	400000	400000	354583		
1065	KALINADI AT KANNAUJ (B/C)	UTTAR PRADESH	16	31	25	5.2	8.9	7.2	7.2	8.6	7.9	25	826	172	4.2	9.4	6.4	0.84	4.64	2.31	700	43000	5536	2300	200000	26800			
2482	VARUNA AT RAMESHWAR, VARANASI	UTTAR PRADESH	19	30	26	7.1	8.0	7.5	8.0	8.5	8.3	224	294	254	3.0	3.8	3.5				4900	17000	10817	8000	200000	27300			
2483	VARUNA B/C WITH RIVER GANGA AT VARANASI	UTTAR PRADESH	19	30	25	1.2	5.8	4.8	7.8	8.9	8.5	252	1147	361	11.2	16.9	14.9	0.00	0.32	0.05	63000	200000	85667	94000	2000000	315667			
1361	SAI AT UNNAO AFTER DRAIN OUTFALL	UTTAR PRADESH	14	30	25	5.2	12.2	7.9	7.1	8.7	8.0	270	790	450	2.2	3.5	2.8	1.10	2.90	2.20	790	70000	7134	170	5400	3581			
2484	SAI AT JALALPUR, JAUNPUR	UTTAR PRADESH	12	30	24	7.3	8.2	7.7	7.5	8.6	8.2	224	268	245	3.2	3.7	3.4				5000	54000	13250	8000	92000	20417			
1350	GOMTI AT SITAPUR U/S AT WATER INTAKE	UTTAR PRADESH	17	33	26	5.9	10.8	7.9	7.4	8.3	7.9	201	540	392	2.0	2.9	2.6	0.10	2.70	1.66	490	1700	972	1300	2800	1992			
1351	GOMTI AT LUCKNOW U/S AT WATER INTAKE POINT	UTTAR PRADESH	18	33	28	4.4	10.2	7.3	7.4	9.1	7.9	275	557	427	2.4	3.7	3.2	1.40	4.20	2.57	790	3100	1966	3200	4800	3775			
1352	GOMTI AT LUCKNOW D/S	UTTAR PRADESH	18	33	27	1.2	4.3	2.7	7.2	7.9	7.5	317	687	517	7.5	11.0	9.0	3.60	6.10	4.33	49000	700000	121083	79000	100000	105417			
1353	GOMTI AT JAUNPUR D/S	UTTAR PRADESH	20	29	25	7.0	8.1	7.5	8.1	8.7	8.4	232	298	261	3.2	3.8	3.5				11000	17000	13083	11000	21000	16417			
1072	GOMTI AT VARANASI	UTTAR PRADESH	19	29	25	7.2	9.0	7.8	8.1	8.3	8.2	228	584	285	3.0	9.6	3.9				8000	100000	20917	13000	2000000	211083			
2491	RAPTI AT RAIGHAT, GORAKHPUR	UTTAR PRADESH	14	30	23	7.2	7.8	7.5	8.0	8.2	8.1	368	524	421	2.9	3.8	3.3	0.26	0.65	0.39	140	300	202	280	580	399			
1363	RAPTI A/C OF R. HONIN NR. DOMIN-GARH RLY BGD, GORAKHPUR	UTTAR PRADESH	14	29	22	7.3	7.9	7.6	8.0	8.2	8.1	338	498	388	2.6	3.0	2.9	0.21	0.44	0.27	40	140	102	100	360	252			
1354	SARYU AT AYODHYA AT MAIN BATHING GHAT	UTTAR PRADESH	15	23	19	7.6	9.6	9.0	7.6	7.8	7.6	132	282	197	2.1	2.9	2.6	0.60	0.76	0.68	3300	4300	3825	6100	7100	6583			
1355	GHAGHARA AT DEORIA D/S	UTTAR PRADESH	15	30	23	7.4	7.9	7.7	8.1	8.2	8.1	376	574	458	2.6	3.4	2.9	0.25	0.76	0.34	70	200	138	240	480	338			
2492	GHAGHARA AT BARHALGANJ, GORAKHPUR	UTTAR PRADESH	13	30	23	7.4	7.9	7.6	7.8	8.2	8.1	338	548	476	2.7	3.6	3.1	0.28	0.75	0.39	120	240	173	260	540	378			
1076	GHAGHARA NEAR CHAPRA	BIHAR	15	28	23	7.6	8.8	8.2	7.3	8.7	7.8	235	562	320	2.2	2.8	2.5				500	1300	825	1700	2800	2000			
1359	RIHAND AT RENUKUT U/S	UTTAR PRADESH	20	29	24	6.4	8.9	7.2	7.2	8.1	7.8	162	306	225	0.9	2.2	1.5	0.50	0.91	0.73	900	1400	1092	1400	2600	1917			
1360	RIHAND AT RENUKUT D/S	UTTAR PRADESH	20	29	25	6.6	9.3	7.4	7.3	8.1	7.8	153	276	195	1.1	2.3	1.6	0.28	0.99	0.67	1100	1400	1208	1700	2400	2108			
1075	SONE AT KOELWAR	BIHAR	16	31	24	7.4	9.0	8.0	7.1	8.5	7.9	205	365	251	2.0	2.6	2.3				500	900	683	1100	2200	1475			
3121	SONE RIVER NEAR BANZARI	BIHAR	15	34	24	7.4	8.2	7.8	7.3	8.2	7.9	232	634	315	2.0	2.7	2.3				500	1700	920	1100	3000	1980			

**TABLE 5.3 :- WATER QUALITY OF TRIBUTARY STREAMS SUSWA, GOLA, BHALLA, DHELA, KOSI, RAMGANGA, KALINADI (E), VARUNA, SAI, GOMTI, RAPTI, SARYU, GHAGHRA, RIHAND, SONE, GANDAK, SIKRANA, BURHI GANDAK, HARBORA, KAMLA, MANUSMAR, KOSHI, DAHA, DHOUS, FARMAR, RAM REKHA AND SIRSA - 2012**

STATION CODE	LOCATIONS	STATE	TEMPERATURE °C			D.O. (mg/l)			pH			CONDUCTIVITY (µmhos/cm)			B.O.D. (mg/l)			FECAL COLIFORM (MPN/100ml)			TOTAL COLIFORM (MPN/100ml)			
			Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max
	<b>WATER QUALITY CRITERIA</b>																							
3127	SONE RIVER AT BAHVARA	BIHAR	12	23	31	7.6	8.0	8.7	8.0	7.6	8.6	8.0	225	353	261	1.9	2.7	2.4	500	1100	617	800	2200	1300
3128	SONE RIVER AT NASIRIGANJ DAM	BIHAR	20	35	25	7.0	8.8	7.9	7.2	8.2	7.8	236	685	303	2.0	2.8	2.3	500	1700	930	1300	3500	1990	
1078	GANDAK AT SONEPUR, PATNA (BEFORE CONFL.)	BIHAR	14	28	22	7.8	8.8	8.4	7.3	8.6	7.9	215	360	278	2.0	2.6	2.4	500	800	600	1100	3000	1600	
2568	GANDAK AT REVAGHAT, MUJAFARPUR	BIHAR	13	29	23	7.9	9.2	8.4	7.5	8.6	7.9	232	320	254	1.9	2.6	2.4	500	1400	675	1100	2800	1475	
2570	GANDAK AT SAMASTIPUR RD BDG	BIHAR	17	32	24	7.8	9.2	8.4	7.2	8.0	7.6	263	515	335	2.2	2.7	2.4	700	1100	920	1700	2800	2370	
3124	GANDAK RIVER U/S ROAD BRIDGE MUJAFARPUR (NH)	BIHAR	16	31	24	7.8	9.2	8.4	7.2	8.2	7.7	268	393	322	2.2	2.7	2.5	500	1100	780	1400	2800	1990	
3125	GANDAK AT GOPALGANJ - PIPRA KOTHI RD BDG (DUMARIA GHAT)	BIHAR	14	28	23	7.8	9.4	8.4	7.5	8.3	7.9	232	318	265	2.0	2.8	2.4	500	2200	950	1100	5000	1942	
2575	SIKRANA AT LAL PARSE, BITTIAH	BIHAR	10	29	21	7.6	8.6	8.0	7.5	7.9	7.8	264	368	299	2.0	3.0	2.6	800	2400	1244	2200	5000	2822	
1820	SIKRANA AT CHANPATVA	BIHAR	10	32	22	7.0	8.5	7.8	7.6	8.3	7.8	268	386	330	2.4	2.8	2.6	800	3000	1400	2200	5000	2940	
3134	SIKRANA RIVER AT LAURIA - HARINAGAR ROAD BRIDGE	BIHAR	12	33	23	6.0	9.6	7.5	7.0	7.9	7.6	246	536	310	2.4	2.9	2.7	500	2200	1080	1300	3000	2340	
2562	BURHI GANDAK AT AKHARAGHAT, MUJAFARPUR	BIHAR	17	31	24	7.5	9.2	8.3	7.1	8.5	7.8	279	411	335	2.4	2.8	2.7	800	1700	1100	2200	5000	3080	
2558	HARBORA AT NARKATIAGANJ	BIHAR	12	33	22	4.0	6.8	5.8	7.0	8.1	7.5	342	430	398	2.5	3.4	2.9	1100	9000	3690	3000	24000	11300	
3126	U/S HARBORA RIVER	BIHAR	12	33	21	7.0	8.5	7.8	7.3	8.2	7.8	256	350	301	2.0	2.9	2.5	500	1700	840	900	3000	1720	
2567	KAMLA RIVER AT BENIPATTI (MADHUBANI)	BIHAR	18	31	23	7.1	8.6	8.1	7.3	8.1	7.9	236	396	270	2.4	2.8	2.6	500	2400	963	1300	5000	2113	
2569	KAMLA RIVER AT DARBHANGA	BIHAR	17	33	23	7.0	8.2	7.8	7.1	8.3	7.8	238	309	261	2.2	2.8	2.5	500	1300	878	1300	3000	2300	
3133	KAMLA RIVER AT JAYNAGAR	BIHAR	15	29	23	7.8	9.2	8.5	7.2	8.3	7.9	256	345	292	2.0	2.6	2.4	500	900	640	1100	2400	1540	
2563	MANUSMAR AT RIGA, SITAMARHI	BIHAR	12	31	23	4.8	7.2	6.6	7.5	8.1	7.7	284	410	351	2.7	3.0	2.8	800	5000	2160	1300	16000	5730	
2565	KOSHI AT KURSHELA AT KATIAR	BIHAR	17	29	23	6.2	8.0	7.2	7.5	7.9	7.7	151	280	188	2.0	2.6	2.3	500	1700	900	1300	3000	1855	
2566	KOSHI RIVER AT MADHEPURA	BIHAR	16	26	23	6.2	8.6	7.3	7.6	8.0	7.8	136	342	194	2.1	2.6	2.4	700	2400	1040	1400	5000	2300	
3137	KOSHI RIVER AT BEERPUR	BIHAR	16	27	24	6.1	7.8	7.1	7.0	7.9	7.7	136	266	167	2.0	2.7	2.3	500	1400	933	1300	2800	1956	
1821	DAHA AT SIWAM	BIHAR	16	30	23	7.0	8.4	7.7	7.6	8.2	7.8	224	505	365	2.0	2.9	2.5	700	3000	1391	2800	9000	4064	
2560	D/S DAHA RIVER AT SASAMUSA	BIHAR	14	31	23	6.8	8.6	7.6	7.1	8.1	7.7	309	575	386	2.0	3.0	2.7	700	9000	3533	1700	24000	8608	
2561	DAHA RIVER AT ITWA BGD, SIWAN	BIHAR	14	30	23	7.1	8.5	7.7	7.6	8.4	7.9	262	492	346	2.0	3.0	2.6	500	2400	1117	1400	5000	2758	
3129	DAHA RIVER AT MEERGANJ	BIHAR	14	29	22	6.8	8.5	7.7	7.1	8.8	7.9	268	491	349	2.0	2.8	2.5	700	1700	950	1700	24000	4042	
1823	DHOUS AT MADHUBANI	BIHAR	16	30	24	7.0	8.6	7.7	7.2	8.4	7.8	227	412	334	2.4	2.9	2.8	800	5000	2380	2800	24000	6880	
1824	FARMAR AT JOGBANI	BIHAR	15	31	23	6.6	7.9	7.4	7.5	7.9	7.7	260	382	305	2.4	2.9	2.7	900	3000	1740	2800	9000	4560	
2559	RAM REKHA AT HARINAGAR	BIHAR	12	33	23	3.5	6.1	5.4	7.0	8.3	7.5	345	608	394	2.6	4.8	3.0	1100	5000	2640	2400	16000	7520	
3130	RAM REKHA AT U/S HARINAGAR	BIHAR	12	33	22	7.0	8.4	7.9	7.2	8.1	7.6	258	356	279	2.0	2.8	2.5	500	1300	810	1100	2400	1690	
1822	SIRSA AT RUXOL	BIHAR	12	29	21	3.5	6.0	4.5	7.8	8.0	7.9	375	688	443	3.0	12.0	7.2	3000	9000	7000	16000	24000	23111	
3132	BAGMATI AT MUJAFARPUR - SITAMARHI ROAD BRIDGE	BIHAR	13	32	22	7.8	9.8	8.4	7.5	8.1	7.9	225	305	264	2.0	2.6	2.4	500	2200	850	800	5000	1970	
3135	BAGMATI AT DARBHANGA - SAMASTIPUR ROAD BRIDGE	BIHAR	16	31	24	7.5	9.2	8.3	7.3	8.7	7.9	232	352	288	2.2	2.6	2.4	500	1300	760	900	2800	1780	
3131	U/S MANUSMAR RIVER (RIGA)	BIHAR	12	31	22	5.9	9.4	7.9	7.7	8.1	7.9	268	372	325	2.2	2.8	2.6	110	2400	1011	1400	5000	2660	
3119	PUNPUN NR PUNPUN RAIL BRIDGE	BIHAR	16	33	23	7.3	8.0	7.6	7.5	8.4	7.8	246	376	306	2.0	2.4	2.2	700	2200	1143	1700	3500	2420	
3120	PUNPUN NR KINZER RD BRIDGE	BIHAR	16	33	24	7.2	9.0	7.8	7.5	8.4	7.8	208	362	291	1.9	2.5	2.2	500	1300	865	1300	2800	2160	
3136	SIRSA D/S RAXAUL (KOERIA TOLA)	BIHAR	11	29	21	3.4	6.1	4.5	7.8	8.1	7.9	372	793	455	3.0	15.0	7.8	5000	16000	8000	24000	24000	24000	