



# Bihar State Pollution Control Board

Parivesh Bhawan, NSB-2, Patliputra Industrial Area

Patliputra, Patna-800 010

Water Quality Status under NWMP

Name of Monitoring Agency-BSPCB

Name of State-Bihar

Monitoring Month December, 2019

Frequency: Monthly

S.No.	Station Code	Location name/District	Latitude	Longitude	Weather	Date & Time	Temp. A/W OC	pH	Cond. µs/cm	D.O mg/Ltr	B.O.D. mg/Ltr	C.O.D. mg/Ltr	Turbidity (NTU)	Nitrate-N	NH <sub>4</sub> -N	PO <sub>4</sub> mg/Ltr	T.F.S. mg/Ltr	T.D.S mg/Ltr	T.S.S. mg/Ltr	Na mg/Ltr	K mg/Ltr	T-H mg/Ltr	Ca mg/Ltr	Mg mg/Ltr	Cl mg/Ltr	Alk <sup>o</sup> mg/Ltr	SO <sub>4</sub> mg/Ltr	F mg/Ltr	T.C MPN/100ml	F.C MPN/100ml	Water Quality status w.r.t. Class - C
							Water Quality Criteria	6.0-8.5	>4.0 mg/L	<3.0 mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<5000 MPN/ 100 ml	<2500 MPN / 100 ml	SATISFACTORY/ NOT SATISFACTORYRY	
1	1074	Ganga at Chausa karmnasa D/S Confluence , Buxar	25.500184	83.878102	Winter	4.12.19 / 2.15 P.M	26/24	8.76	512	8.1	1.4	8.0	56.30	0.37	0.58	0.08	522	498	82	37.5	5.6	200	41.6	23.3	25	154	38.70	0.41	35000	7900	NOT SATISFACTORY
2	2551	Ganga at Ramrekha ghat, Buxar. Dist.- Buxar	25.576275	83.971112	Winter	4.12.19 / 3.10 P.M	25/23	8.63	523	7.6	1.9	16	61.20	0.45	N.D	0.25	454	434	76	37.0	5.5	124	17.6	19.4	26	160	34.11	0.34	28000	7000	NOT SATISFACTORY
3	10113	Ganga River at Jail Ghat, Buxar	25.561456	83.949661	Winter	4.12.19 / 1.45 P.M	26/24	8.26	508	7.7	1.9	16.0	42.80	0.46	N.D	0.09	592	634	32	37.0	6.2	220	20.0	41.3	23.0	160	37.47	0.47	35000	28000	NOT SATISFACTORY
4	3113	Ganga at D/S Buxar near Road Bridge. Dist. - Buxar	25.585868	83.98661	Winter	4.12.19 / 4.20 P.M	25/23	8.54	511	7.5	1.9	20.0	77.40	0.51	N.D	0.12	400	364	92	35.0	5.3	216	26.4	36.4	23.0	170	36.35	0.48	14000	2600	NOT SATISFACTORY
5	3114	Ganga at Danapur near Pipapul. Dist. - Patna	25.653166	85.047728		3.12.19							Not Collected due to Unavoidable Circumstances																		
6	1077	Ganga at U/S Patna, Kurji. Dist. - Patna	25.653472	85.093824	Clear	3.12.19 / 3.30 P>M	24/23	8.54	387	9.0	1.6	12.0	64.70	0.16	0.22	0.06	250	206	80	26.5	4.1	170	40.0	17.0	31.0	142	35.79	0.19	35000	11000	NOT SATISFACTORY
7	2552	Ganga at Gandhighat, NIT, Patna	25.622054	85.171803	Clear	3.12.19 / 1.20 P.M	23/22	8.18	446	6.6	2.0	20.0	72.30	0.07	1.52	0.43	228	194	74	27.0	6.0	198	58.5	12.6	29.0	176	29.08	0.28	35000	17000	NOT SATISFACTORY
8	10115	Ganga River at Gulabi Ghat, Patna	25.620311	85.180451	Clear	3.12.19 / 12.50 P.M	23/22	8.41	387	7.0	1.8	16	57.40	0.29	0.84	0.14	244	318	102	18.5	4.4	172	25.6	26.2	26	144	38.81	0.23	35000	22000	NOT SATISFACTORY
9	1079	Ganga at D/S Patna, Gaighat Dist. Patna.	25.613638	85.204381	Clear	2.12.19 / 11.40 A.M	23/22	8.61	374	6.8	1.9	16	50.80	0.11	0.35	0.13	178	168	32	20.5	4.4	186	57.7	10.2	25.0	146	30.42	0.28	54000	17000	NOT SATISFACTORY
10	3122	Ganga at Malsalami, Patna City Dist. - Patna	25.598764	85.23737	Clear	2.12.19 / 12.50 P.M	23/22	8.54	364	7.2	1.6	12	70.30	0.14	0.41	0.09	184	212	52	18.5	4.0	174	36.8	19.9	23.0	134	32.21	0.29	22000	11000	NOT SATISFACTORY
11	10122	Ganga Before Confluence of Purnpun River at Triveni Ghat Fatuha, Patna Dist. - Patna.	25.514967	85.302399	Clear	2.12.19 / 2.20 P.M	23/22	8.45	362	8.2	1.5	12	58.10	0.14	0.11	0.09	232	280	66	20.0	3.9	164	34.4	18.9	24.0	136	32.10	0.29	3900	1700	SATISFACTORY
12	2553	Ganga at Kewala ghat, Fatuha Dist.- Patna	25.511076	85.308548	Clear	2.12.19 / 3.20 P.M	23/22	8.23	394	7.5	1.8	16	61.36	0.07	0.40	0.17	224	226	40	24.0	4.2	170	44.0	14.6	25.0	150	33.56	0.29	28000	9400	NOT SATISFACTORY
13	4297	Ganga at Kachchi Dargah-Bidupur Road Bridge, Dist-Patna	25.549821	85.281401	Clear	2.12.19 / 1.35 P.M	25/23	8.52	366	7.2	1.7	12.0	64.20	0.11	0.29	0.07	196	234	38	21.5	3.6	166	32.0	20.9	25	144	31.88	0.27	17000	11000	NOT SATISFACTORY
14	4301	Ganga at Bakhtiyarpur-Tajpur Road Bridge near Athamalgaola, Dist-Patna	25.482778	85.627962	Winter	7.12.19 / 2.40 P.M	25/22	8.68	400	8.2	1.5	12	81.30	0.22	0.28	0.06	490	456	96	16.4	4.6	220	20.0	41.3	24	150.0	28.41	0.24	17000	4900	NOT SATISFACTORY

15	1817	Ganga at U/S Mokama, Mahadeo Asthan Dist.- Patna.	25.400762	85.923029	Winter	7.12.19 / 11.35 A.M	24/22	8.80	387	8.1	1.5	12	59.50	0.20	N.D	0.11	590	618	46	14.8	4.5	198	36.0	26.2	12.0	140	25.84	0.34	4000	3300	Not SATISFACTORY			
16	1815	Ganga at D/S Mokama near Rajendra Bridge, Simaria Ghat Patna	25.378735	86.002542	Clear	12.12.19 / 5 P.M	20/19	8.10	383	7.8	1.6	12.0	53.20	0.19	0.09	0.04	468	418	114	14.4	4.6	158	33.6	18.0	14.0	120	26.51	0.06	35000	14000	NOT SATISFACTORY			
17	3115	Ganga at Barh Dist.- Patna	25.49428	85.71343	Winter	7.12.19 / 1.35 P.M	25/23	8.67	395	7.6	1.5	12.0	65.30	0.03	N.D	0.10	414	372	88	15.6	4.6	184	17.6	34.0	19.0	154	29.53	0.32	22000	4900	NOT SATISFACTORY			
18	10130	Ganga U/S of NTPC Water intake Point, Barh Dist.- Patna	25.508677	85.733290	Winter	7.12.19 / 12.55 P.M	25/23	8.53	443	7.4	1.9	16	58.70	0.15	0.35	0.02	542	564	52	15.0	5.1	200.0	12.8	40.8	25.0	176.0	31.43	0.25	3900	1700	SATISFACTORY			
19	10131	Ganga D/S of NTPC Water intake Point, Barh Dist.- Patna	25.487987	85.821429	Winter	7.12.19 / 12.15 P.M	25/23	8.67	388	7.6	1.8	16	70.10	0.35	0.77	0.11	446	440	56	16.0	4.7	196	19.2	35.9	24	150	27.40	0.18	22000	4900	NOT SATISFACTORY			
20	3123	Ganga at Barahiya, Nepal Tola, Maranchi Dist. - Lakhisarai	25.283165	86.030477	Winter	7.12.19 / 11 A.M	24/22	8.79	384	8.6	1.4	8.0	64.70	0.29	N.D	0.05	694	748	48	14.6	4.5	166	18.4	29.1	25.0	140.0	104.02	0.37	17000	4900	NOT SATISFACTORY			
21	3116	Ganga at U/S Munger near Kasth haranighat. Dist.- Munger	25.382746	86.45929	Winter	5.12.19 / 3 P.M	26/23	8.67	378	8.1	1.4	12	37.10	0.34	0.45	0.11	368	334	94	14.4	4.6	184	40.0	20.4	22.0	148	27.40	0.44	28000	7000	NOT SATISFACTORY			
22	1818	Ganga at D/S Munger near Crematorium Ghat Dist. - Munger	25.387724	86.461857	Winter	5.12.19 / 2.30 P.M	26/23	8.58	375	7.9	2.0	20	82.30	0.26	N.D	0.06	386	332	108	14.6	4.7	194	34.4	26.2	21.0	140	25.17	0.28	35000	11000	NOT SATISFACTORY			
23	3117	Ganga at U/S Sultanganj, Ajjalbi Nath Dist.- Bhagalpur	25.249511	86.727411	Winter	5.12.19 / 4.45 P.M	25/22	8.70	371	7.8	1.9	20	57.10	0.27	N.D	0.05	212	170	74	14.2	4.6	190	32.0	26.7	22	140	24.94	0.32	22000	17000	NOT SATISFACTORY			
24	2554	Ganga at D/S Sultanganj at Cremation ghat Dist.- Bhagalpur	25.255521	86.741591	Winter	5.12.19 / 4.10 P.M	25/22	8.68	379	8.1	1.8	16	40.20	0.22	N.D	0.10	542	490	116	14.2	4.6	186	32.0	25.7	19.0	142	27.18	0.40	17000	4900	NOT SATISFACTORY			
25	3118	Ganga at D/S Bhagalpur near Bararighat. Dist.- Bhagalpur	25.269161	87.027891	Winter	6.12.19 / 10.40 A.M	24/21	8.15	406	7.4	2.1	24	61.30	0.47	0.18	0.08	334	330	42	15.6	5.1	190	39.2	22.3	30.0	158	122.03	0.34	35000	9400	NOT SATISFACTORY			
26	1819	U/S Ganga at Bhagalpur kuppa ghat Dist.- Bhagalpur	25.306526	87.018444	Winter	6.12.19 / 9.15 A.M	24/21	8.03	505	7.7	1.6	12	42.70	0.91	0.42	0.15	266	268	32	22.5	6.4	208	52.9	18.5	21.0	180	26.96	0.63	28000	11000	NOT SATISFACTORY			
27	10138	Ganga River at Champa Nagar, Bhagalpur. Dist.- Bhagalpur	25.241739	86.922128	Winter	6.12.19 / 11.50 A.M	25/22	8.60	378	7.9	1.8	16.0	54.90	0.36	N.D	0.02	384	272	166	14.2	4.6	190	24.8	31.1	19.0	154	107.60	0.20	28000	2700	NOT SATISFACTORY			
28	4398	Ganga at Water intake point, Bhagalpur	25.269662	87.0152573	Winter	6.12.19 / 10 A.M	24/21	8.03	512	7.9	1.6	12	57.40	1.06	0.09	0.08	588	648	36	23.0	6.3	260	52.1	31.6	23	196	51.12	0.32	92000	22000	NOT SATISFACTORY			
29	1816	Ganga at Kahalgaon near Jahajghat. Dist.- Bhagalpur	25.265877	87.226259	Winter	6.12.19 / 2.30 P.M	26/23	8.64	375	7.8	1.7	16.0	38.20	0.33	N.D	0.15	368	236	176	14.4	4.7	172	16.8	31.6	29.0	152	26.06	0.10	28000	17000	NOT SATISFACTORY			
30	10143	Ganga D/S at Kahalgaon near Cremation Ghat.	25.273317	87.235135	Winter	6.12.19 / 3.10 P.M	26/23	8.59	377	7.4	2.0	20.0	41.30	0.33	N.D	0.04	514	404	182	14.2	4.6	178	24.0	28.7	21.0	144	39.15	0.25	92000	11000	NOT SATISFACTORY			
31	10114	Ganga River near maa Ambika Sthan, Aami, Dist- Saran	25.740475	85.963373	Winter	31.12.19 / 4.15 P.M	21/18	7.22	319	8.4	1.8	16	64.70	0.12	0.95	0.14	322	204	164	7.80	4.0	208	24.8	35.5	10	250	16.11	0.04	28000	7900	NOT SATISFACTORY			
32		Ganga River at water intake point Mauzampur Block, Barhara, Dist- Bhojpur	25.690976	84.591615			12/19																											Not Collected due to Unavoidable Circumstances
33	10162	Ganga at Ara - Chhapra Near Road Bridge , Koelwar-Babura Road, Bhojpur	25.725789	84.813859																														Not Collected due to Unavoidable Circumstances





71	1820	Sikrahana River at Chanpatia Road Bridge, West Champaran	26.960776	84.533937	Clear	28.12.19/ 1:00 pm	14/17	7.38	415	5.0	2.5	32.0	8.30	0.23	3.80	0.09	262	250	44	12.0	11.0	208	37.6	27.7	78	310	39.26	0.48	160,000	35000	NOT SATISFACTORY
72	2575	Sikrahana River at Lalpara near Sugaali-Raxaul Road Bridge, East Champaran	26.783905	84.744078	Clear	27.12.19/ 1.10 P.M	16/17	7.7	386	8.5	1.4	08	7.20	0.12	0.88	0.10	192	194	36	12.60	5.80	218	36.8	30.6	21.0	310	14.65	0.27	17000	4900	NOT SATISFACTORY
73	3134	Sikrahana River at Lauwria-Hari nagar Road Bridge Dist.- west Champaran	27.008322	84.402150	Clear	27.12.19/ 5.30 P.M	13/16	7.6	330	7.6	2.1	20.0	8.20	0.09	0.13	0.05	168	160	26	8.90	4.20	192	37.6	23.8	19.0	244	9.06	0.36	9400	1700	NOT SATISFACTORY
74	4291	Sikrahana River at Lauwria-Narkatiaganj Road Bridge West Champaran.	27.005173	84.417545	Clear	27.12.19/ 5 P.M	14/16	7.5	368	NIL	6.6	32.0	26.10	0.19	3.66	0.07	222	206	44	9.70	8.10	210	40.0	26.7	30.0	350	27.74	0.29	28000	17000	NOT SATISFACTORY
75	1821	Daha River at Rajendra Road Bridge, Siwan. Dist.- Siwan	26.226070	84.353773	Winter	31.12.19/ 1.20.P.M	20/18	7.27	581	7.1	2.2	24.0	12.10	0.20	2.07	0.03	306	314	32	38.0	6.60	262	64.1	24.8	30	420	23.82	0.36	35000	17000	NOT SATISFACTORY
76	4397	Daha River D/S Rajendra Road Bridge, Siwan	26.209499	84.339012	Winter	31.12.19/ 2 P.M	20/18	7.22	582	6.8	2.4	28.0	15.10	0.19	1.97	0.03	302	322	28	42.50	6.80	260	56.1	29.1	26	430	25.84	0.42	22000	7900	NOT SATISFACTORY
77	2561	Daha River at Itwa Bridge Meerganj-Gopalganj Road, Gopalganj	26.388243	84.361080	Winter	30.12.19/ 11 A.M	20/18	7.38	494	8.3	1.6	12.0	41.20	0.12	0.37	0.05	316	316	36	31.0	5.70	244	37.6	36.4	16	390	26.62	0.19	54000	17000	NOT SATISFACTORY
78	3129	Daha River at Badar jimi Bazar, Meerganj Dist.- Siwan	26.365415	84.362024	Winter	31.12.19 / 12.20 P.M	20/18	7.29	491	8.4	1.6	12.0	33.40	0.09	0.38	0.05	272	282	30	32.0	5.70	246	39.2	35.9	19.0	390	24.83	0.48	11000	2200	NOT SATISFACTORY
79	2560	Daha River at D/S Sasamusa after Sugar Mill near Road Bridge. Dist.- Gopalganj.	26.518588	84.358043	Clear	31.12.19/ 8.45 A.M	19/16	7.32	540	7.0	2.0	20.0	59.90	0.23	0.60	0.03	312	318	44	15.0	7.20	228	33.6	35.0	21.0	430	19.57	0.25	17000	7000	NOT SATISFACTORY
80	4292	Daha River at U/S Sasamusa, before Sugar Mill, Dist-Gopalganj	26.530413	84.355570	Winter	31.12.19/ 8.15 A.M	16/14	7.28	524	7.9	1.9	20.0	64.70	0.03	0.18	0.02	380	370	58	13.0	7.10	252	33.6	40.8	26.0	450	22.26	0.08	7000	1700	NOT SATISFACTORY
81	3126	Harbaura River U/S at Nakatiaganj before Sugar Mill, West Champaran	27.116226	84.460380	Clear	28.12.19/11. 05 A.M	9/17	7.6	280	9.8	1.4	08	8.40	0.08	0.12	0.18	258	246	38	7.20	5.10	128	24.0	16.5	23.0	236.0	25.61	0.23	17000	13000	NOT SATISFACTORY
82	2558	Harbaura River D/S at Nakatiaganj after Sugar Mill, West Champaran	27.106092	84.45424	Clear	28.12.19/ 11.45 A.M	9/17	7.4	318	8.5	1.6	12.0	6.70	0.20	2.10	0.08	282	250	74	6.40	4.40	172	28.0	24.8	22.0	190.0	20.58	0.25	28000	17000	NOT SATISFACTORY
83	3130	Ramrekha River U/S at Harinagar(before Sugar Mill) West Champaran.	27.16151	84.331490	Clear	28.12.19/ 8 A.M	8/17	7.6	294	5.8	2.3	24	7.40	0.12	3.45	0.05	172	196	18	9.90	6.0	148	40.0	11.7	27.0	294.0	16.89	0.17	24000	13000	NOT SATISFACTORY
84	2559	Ramrekha River D/S at Harinagar (after Sugar Mill) West Champarasn	27.145104	84.328428	Clear	28.12.19/ 8.30 A.M	8/18	7.24	453	5.6	2.6	32	21.30	0.07	2.15	0.08	224	256	14	15.0	7.10	220	32.0	34.0	39.0	132	62.08	0.23	35000	21000	NOT SATISFACTORY
85	3131	U/S Manusmar River at Bakhari, Riga Dist.- Sitamarhi	26.638559	85.418832	Clear	26.12.19 / 5 P.M	11/17	7.78	422	8.7	1.5	12.0	11.60	0.12	4.02	0.05	674	794	18	12.0	7.0	220	36.0	31.6	21.0	198	12.53	0.27	92000	17000	NOT SATISFACTORY
86	2563	D/S Manusmar River at Uphraulia, Riga. Dist.- Sitamarhi	26.628583	85.411194	Clear	26.12.19 / 5.15 P.M	11/17	7.74	414	8.0	1.4	12.0	12.30	0.17	1.75	0.05	712	838	28	11.40	6.50	190	31.2	27.2	18.0	340	11.52	0.13	160,000	28000	NOT SATISFACTORY
87	4402	Manumas Rivar at Parshurampur, Riga-Betsund Road, Dist-Sitamarhi	25.527166	85.396373	Clear	26.12.19 / 2.50 P.M	19/18	7.56	426	7.2	1.8	16.0	8.40	0.25	2.86	0.14	340	394	24	12.20	6.10	234	68.1	15.5	20	336	14.65	0.46	22000	2100	NOT SATISFACTORY
88	4400	Lakhandei River U/S, Sitamarhi, Dist-Sitamarhi	26.609114	85.506371	Clear	26.12.19/ 12.30 P.M	14/16	7.48	471	7.5	1.8	16.0	41.70	0.17	0.66	0.22	352	390	44	17.0	5.90	250	64.1	21.9	34.0	384	10.40	0.50	160,000	35000	NOT SATISFACTORY



## Primary Water Quality Criteria for Various Uses

Quality Class (Use Class) Designated best use		Parameter			
		pH	Dissolved Oxygen (D.O.) mg/l Min.	Bio-Chemical Oxygen Demand (B.O.D.) mg/l Max.	Total Coliform MPN/100ml Max.
A	Drinking water source without conventional treatment but after disinfections	6.5-8.5	6	2	50
B	Outdoor bathing organized	6.5-8.5	5	3	500
C	Drinking water source with conventional (treatment followed by disinfections)	6.0-9.0	4	3	5000
D	Propagation of Wild life, fisheries	6.5-8.5	4	-	-
E	Irrigation, Industrial Cooling, Controlled Waste Disposal	6.5-8.5	-	-	-

## Primary Water Quality Criteria for bathing

pH	6.5 to 8.5
Dissolved Oxygen (DO)	5 mg/L or more
Biochemical Oxygen Demand (BOD)	3 mg/L or less
Fecal Coliform	2500 MPN/100mL