



BIHAR STATE POLLUTION CONTROL BOARD

Parivesh Bhawan, NSB-2, Patliputra Industrial Area, Patna-800 010

Analysis Report on Physico-Chemical examination of River water
from April, 2018 to December, 2018

Sl. NO.	Sikrahna River at Lauriya-Harinagar Road Bridge						Sikrahna River at Lauriya-Narkatiganj Road Bridge.				
	Date of Sample Collection	pH	D.O mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	13.04.2018	5.62	NIL	95	14000	6100	7.20	NIL	135	15000	7000
2	16.05.2018	6.96	NIL	12	14000	6100	7.37	8.5	2.8	11000	4000
3	14.06.2018	7.51	7.3	2.4	29000	2100	7.35	6.4	2.7	22000	11000
4	12.07.2018	7.17	6.0	2.8	15000	7000	7.19	6.2	2.7	14000	6100
5	07.08.2018	7.26	6.0	2.4	22000	11000	7.20	5.0	2.6	29000	21000
6	07.09.2018	7.13	7.0	2.2	14000	6100	7.23	6.5	2.4	13000	7900
7	10.10.2018	7.59	6.0	2.6	11000	4000	7.46	5.8	2.6	14000	6100
8	21.11.2018	7.52	9.0	1.8	7000	3800	7.17	8.6	1.9	6300	2600
9	15.12.2018	7.49	8.6	1.9	12000	4600	7.61	4.6	2.4	14000	6100

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Sl. No.	Sikrahna River at Chanpatia Road Bridge, Chanpatia						Sikrahna River at Lalparasa, Sugauli- Raxaul Road Bridge				
	Date of Sample Collection	pH	D.O mg/L	B.O.D mg/L	T.C MPN/ 100 ml	F.C MPN/ 100 ml	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/ 100 ml	F.C. MPN/ 100 ml
1	14.04.2018	6.90	NIL	95	14000	6100	7.69	5.2	2.9	11000	4000
2	15.05.2018	7.69	6.5	2.8	11000	4000	6.96	2.5	4.0	14000	6100
3	13.06.2018	7.39	7.1	2.6	13000	7900	7.47	7.2	2.6	15000	7000
4	12.07.2018	7.00	6.7	2.5	14000	6100	7.59	6.6	2.6	15000	7000
5	07.08.2018	7.20	5.0	2.6	15000	7000	7.89	5.0	2.8	14000	6100
6	06.09.2018	7.15	6.8	2.5	13000	7900	7.09	7.1	2.2	14000	6100
7	09.10.2018	7.57	7.6	2.3	6300	3100	7.73	7.7	2.4	7000	3100
8	27.11.2018	7.58	7.9	2.5	7000	3800	8.16	9.0	1.8	11000	4000
9	14.12.2018	7.16	6.1	2.6	12000	4600	7.98	8.5	2.3	7000	3300

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Sl. NO.	Sirsia River at Raxaul Check Post Road Bridge, Raxaul.						Sirsia River at Koeria Tola, Raxaul.				
	Date of Sample Collection	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	15.05.2018	6.92	NIL	8.0	22000	1100	6.95	NIL	12	29000	21000
2	13.06.2018	7.19	NIL	10.0	7000	3100	7.20	NIL	8	15000	7000
3	11.07.2018	7.07	NIL	6.0	29000	21000	7.30	NIL	8	32000	17000
4	06.08.2018	7.41	2.5	5.0	22000	11000	7.50	3.0	4.0	29000	21000
5	06.09.2018	7.12	6.3	2.6	22000	11000	7.07	5.6	2.8	32000	21000
6	29.11.2018	7.47	NIL	10.0	11000	4000	7.15	NIL	8.0	14000	6100
7	14.12.2018	6.89	NIL	10.0	14000	6100	7.01	NIL	8.0	22000	11000

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Sl. No.	U/S Harbaura River Narkatiaganj						D/S Harbaura River Narkatiaganj				
	Date of Sample Collection	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	14.04.2018	7.24	9.5	1.6	15000	7000	6.60	NIL	125	22000	11000
2	16.05.2018	7.32	7.6	2.6	15000	7000	6.18	NIL	8.0	22000	11000
3	14.06.2018	7.56	7.5	2.3	7000	3100	7.02	4.6	2.9	29000	21000
4	12.07.2018	6.97	6.4	2.6	7000	3100	7.08	4.8	2.9	22000	11000
5	07.08.2018	7.14	7.0	2.0	14000	6100	7.24	5.0	2.7	22000	11000
6	07.09.2018	7.20	7.4	1.8	22000	11000	7.25	6.6	2.7	29000	21000
7	09.10.2018	7.62	7.0	2.5	7000	3100	7.68	6.3	2.8	14000	6100
8	20.11.2018	6.28	7.2	2.4	7000	3800	6.13	6.8	2.6	11000	4000
9	15.12.2018	7.89	6.8	2.3	11000	4000	5.54	4.7	2.8	14000	6100

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Analysis Report on Physico-Chemical examination of River water
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Sl. No.	U/S Ramrekha River Harinagar						D/S Ramrekha River Harinagar				
	Date of Sample Collection	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	14.04.2018	6.83	4.6	2.8	6300	2600	6.52	4.1	2.9	7000	3100
2	16.05.2018	6.71	5.5	2.6	7000	3100	6.75	4.2	2.9	11000	4000
3	14.06.2018	7.62	5.6	2.8	6300	2600	7.41	5.0	2.9	7000	3100
4	12.07.2018	6.94	5.0	2.7	6300	2600	7.05	4.4	2.9	14000	6100
5	07.08.2018	7.15	5.6	2.5	7000	3100	7.12	4.7	2.9	22000	11000
6	07.09.2018	7.22	6.9	2.3	11000	4000	6.89	6.1	2.6	22000	11000
7	10.10.2018	7.48	5.9	2.7	6300	3100	7.46	5.7	2.8	11000	4000
8	20.11.2018	6.67	6.6	2.6	6300	2600	6.31	4.0	2.9	7000	3800
9	15.12.2018	6.87	4.9	2.7	7000	3000	6.09	4.1	2.9	11000	4000

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Sl. No.	Parmar River at Jogbani					
	Date of Sample Collection	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	20.04.2018	8.39	8.0	2.4	4700	2200
2	26.06.2018	7.43	7.0	2.6	4600	2100
3	24.07.2018	7.13	7.3	2.6	6300	2600
4	10.08.2018	7.31	7.1	2.6	11000	4000
5	29.09.2018	7.45	7.8	1.8	6300	2600
6	23.10.2018	6.74	8.1	2.4	7000	3100
7	18.11.2018	7.1	8.5	1.6	6300	2600
8	10.12.2018	7.04	7.4	2.3	6300	2600

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0 -8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml



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Sl. No.	Punpun River at Patna-Fatuha Road Bridge.					
	Date of Sample Collection	pH	D.O. mg/L	B.O.D. mg/L	T.C. MPN/100 ml	F.C. MPN/100 ml
1	04.04.2018	7.21	3.5	4.0	11000	4000
2	22.05.2018	7.16	2.4	4.0	7000	3100
3	07.06.2018	7.36	2.2	5.0	11000	4000
4	05.07.2018	7.07	5.6	2.5	6300	2600
5	03.08.2018	6.60	6.7	2.8	7000	3100
6	05.09.2018	7.09	5.5	2.8	22000	11000
7	05.10.2018	6.60	2.5	4.0	7000	3100
8	27.11.2018	6.42	7.2	2.8	11000	4000
9	04.12.2018	7.17	2.0	5.0	11000	4000

Water Quality Criteria w.e.f. Class-C	
Parameters	Standards
pH	6.0-8.5
D.O.	> 4.0 mg/L
B.O.D.	< 3.0 mg/L
T.C.	< 5000 MPN/100 ml
F.C.	< 2500 MPN/100 ml