

(प्रतिवेदन) परिशिष्ट

अंतराल उभर क्वेश्चन - 745

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2016-2017

: RIVER KATNI US NEAR NAGAR NIGAM INTAKE POINT

Natural Water Resource : R.O.M.P.P.C.B. KATNI

Characteristic	Unit	Description of Sampling Station:												Maxi.	Mini.	
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March			Av.
Date of Sampling		11.04.16	10.5.16	13/06/16	21/07/16	11/8/2016	14/09/16	18.10.16	17.11.16	19.12.16	27.01.17	07.02.17	08.03.17			
Temperature	°C	28	18	28	18	18	28	18	28	18	22	28	21.7			
Acidity	NTU	3.4	2.6		5	4	6	1.1	4	6	6	3	5			
Colour	PCS	colorless	colorless	colorless	colorless	turbid	colorless									
Dissolved Oxygen	T. No															
Hardness	pH Unit	7.13	7.48	7.43	8.33	7.28	7.9	7.16	7.89	7.39	8.33	8.31	8.3	7.74	8.33	7.13
Calcium	µMhos/cm.	617	367	783	256	636	298	364	284	810	293	361	286	446.25	810	256
Magnesium	mg/l	463	263	682	278	428	284	309	258	621	326	394	294	383.333	682	258
Total Nitrogen	mg/l	396	226	633	244	355	246	271	226	531	284	352	282	337.167	633	226
Ammonia Nitrogen	mg/l	68	37	49	34	73	38	38	32	90	42	42	12	46.25	90	12
Nitrate Nitrogen	mg/l	0.41	0.4	1.2	BDL	0.32	BDL	0.9	BDL	1.24	0.42	0.4	0.4	0.63222	1.24	0.32
Phosphate (PO ₄)	mg/l	0.2	BDL	0.4	BDL	0.1	BDL	BDL	0.06	0.6	0.2	0.32	0.3	0.2725	0.6	0.06
Chloride	mg/l	0.7	BDL	0.6	BDL	1.1	0.64	0.4	0.86	1.4	0.38	0.34	0.36	0.68	1.40	0.34
Sulfate (SO ₄)	mg/l	1.3	1.1	1.3	0.112	0.033	BDL	0.4	BDL	0.14	0.12	0.112	0.112	0.47	1.3	0.033
Alkalinity	mg/l	2	13.8	22.7	NA	34.98	17	7.92	17.5	2	12.5	12.49	15	14.3536	34.98	2
Total Hardness	mg/l	4.6	4.6	4.7	7.6	6.4	6.8	2.6	1.5	12	10	7.6	7.6	6.33333	12.00	1.5
Calcium Hardness	mg/l	34	26	24	24	24	28	6	32	74	12	12	12	25.6667	74	6
Magnesium Hardness	mg/l	174	166	98	164	118	156	118	148	126	172	124	124	140.667	174	98
Total Hardness	mg/l	122	120	64	136	72	132	80	120	102	144	68	88	104	144	64
Dissolved Oxygen	mg/l	52	44	34	28	46	24	38	28	104	28	56	36	43.1667	104	24
Dissolved Oxygen	mg/l	6.8	5.8	6.7	7.9	7	6.8	7.3	6.3	6.9	6.8	5.5	6.7	6.70833	7.9	5.5
Dissolved Oxygen	mg/l	1.4	2.2	1.8	1	2.6	1.7	1.6	1.4	2.8	1.6	1.4	1.5	1.75	2.8	1
Dissolved Oxygen	mg/l	27	117	23	8	12	9.72	16	12	16	16	16	16	24.06	117	8
Dissolved Oxygen	mg/l	6	6	5	10	14	8	7	10	10	10	6	12	8.66667	14	5
Dissolved Oxygen	mg/l															
Dissolved Oxygen	mg/l	84	63	47	26	39	22	41	17	15	29	21	25	35.75	84	15
Coliform	MPN/100ml	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coliform	MPN/100ml	B	B	A	A	B	A	A	A	B	A	B	B	A	A	0
CATEGORY		B	B	A	A	B	A	A	A	B	A	B	B	A	A	0

Handwritten signature and initials.

अनुभाग अधिकारी
मध्य प्रदेश शासन
राज्य प्रदूषण नियंत्रण बोर्ड

MADHYA PRADESH POLLUTION CONTROL BOARD, BHOPAL.

Water Quality during Year - 2016-2017

KATNI RIVER D/S NEAR MAIGHAT ROAD BRIDGE

Natural Water Resource : **KATNI**
 Description of Sampling Station: **R.O.M.P.P.C.B. KATNI**

Characteristic	Unit	Description of Sampling Station: R.O.M.P.P.C.B. KATNI												Maxi.	Mini.		
		April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March			Av.	
Character of Sampling	NR	-	-	-	21.07.16	-	-	18.10.2016	-	-	-	23.01.16	-	-	-	-	-
Temperature	°C	-	-	-	18	-	-	20	-	-	-	18	-	-	-	-	-
Acidity	NTU	-	-	-	5	-	-	1.8	-	-	-	3	-	-	-	3.26667	5
Colour	PCS	-	-	-	colorless	-	-	colorless	-	-	-	colorless	-	-	-	-	-
Dissolved Oxygen	%	-	-	-	8.39	-	-	7.83	-	-	-	7.49	-	-	-	7.90	8.39
Conductivity	pH Unit	-	-	-	BDL	-	-	0.3	-	-	-	0.4	-	-	-	0.35	0.4
	µMhos/cm.	-	-	-	256	-	-	346	-	-	-	450	-	-	-	350.667	450
Solids	mg/l	-	-	-	286	-	-	316	-	-	-	468	-	-	-	356.667	468
	mg/l	-	-	-	252	-	-	277	-	-	-	431	-	-	-	320	431
Total Solids	mg/l	-	-	-	34	-	-	39	-	-	-	47	-	-	-	40	47
	mg/l	-	-	-	BDL	-	-	0.3	-	-	-	0.4	-	-	-	0.35	0.4
Nitrite	mg/l	-	-	-	BDL	-	-	1.2	-	-	-	0.3	-	-	-	0.75	1.20
	mg/l	-	-	-	BDL	-	-	0.6	-	-	-	0.9	-	-	-	0.54	0.9
Nitrate	mg/l	-	-	-	0.112	-	-	9.9	-	-	-	28.7	-	-	-	18.54	28.70
	mg/l	-	-	-	17.02	-	-	2.7	-	-	-	4.8	-	-	-	5.03333	7.60
Phosphate	mg/l	-	-	-	7.6	-	-	12	-	-	-	24	-	-	-	21.3333	28
	mg/l	-	-	-	28	-	-	126	-	-	-	182	-	-	-	160	182
Alkalinity	mg/l	-	-	-	172	-	-	86	-	-	-	130	-	-	-	117.333	136
	mg/l	-	-	-	136	-	-	40	-	-	-	52	-	-	-	42.6667	52
Total Hardness	mg/l	-	-	-	36	-	-	40	-	-	-	52	-	-	-	42.6667	52
	mg/l	-	-	-	36	-	-	40	-	-	-	52	-	-	-	42.6667	52
Dissolved Oxygen	mg/l	-	-	-	1.2	-	-	1.9	-	-	-	2	-	-	-	1.7	2
	mg/l	-	-	-	16	-	-	17	-	-	-	70	-	-	-	34.3333	70
Dissolved Oxygen	mg/l	-	-	-	10	-	-	6	-	-	-	4	-	-	-	6.66667	10
	mg/l	-	-	-	1	-	-	2	-	-	-	1	-	-	-	1.33333	2
Total Dissolved Solids	mg/l	-	-	-	31	-	-	39	-	-	-	43	-	-	-	37.6667	43
	mg/l	-	-	-	0	-	-	10	-	-	-	10	-	-	-	6.66667	10
Coliform	MPN/100ml	-	-	-	BDL	-	-	BDL	-	-	-	BDL	-	-	-	-	-
	mg/l	-	-	-	BDL	-	-	BDL	-	-	-	BDL	-	-	-	-	-

Classification of River water based on IS - 2296 - 1982

CATEGORY A

