

## NWMP Report- Year-2014 RO – Bilaspur

River Mahanadi at Kharod - U/s of Kharod.

(NWMP Code No 1100)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	23.7	24.0	24.5	34.0	37.0	32.5						
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour		OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.5	7.5	7.5	7.5	7.5	7.5						
5.	Turbidity	NTU/JTU	8.0	07.0	6.0	7.0	9.0	9.0						
6.	Specific Conductivity	µS/cm	400.0	30.8.0	318.0	41.0	318.0	320.0						
7.	Total Solids	Mg/L	272.0	278.0	286.0	270.0	296.0	296.0						
8.	Dissolved Solids	Mg/L	260.0	264.0	264.0	260.0	272.0	270.0						
9.	Suspended Solids	Mg/L	12.0	14.0	22.0	10.0	24.0	26.0						
10.	Fixed Diss.Solids	Mg/L	168.0	168.8	168.0	68.0	86.0	86.0						
11.	Ammonical Nitrogen	Mg/L	0.793	0.7948	0.7942	0.7638	0.7982	0.7980						
12.	Nitrate Nitrogen	Mg/L	0.512	0.518	0.512	0.508	0.562	0.562						
13.	Nitrite Nitrogen	Mg/L	0.058	0.068	0.064	0.058	0.074	0.076						
14.	Phosphate	Mg/L	1.22	1.20	1.21	1.02	1.23	1.23						
15.	Chloride	Mg/L	30.0	28.0	26.0	22.0	28.0	30.0						
16.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	10.91	10.81	12.0	18.91	12.0	12.5						
17.	Coliform	MPN/100ml	108.0	112.0	32.0	72.0	82.0	80.0						
18.	Dissolved Oxygen	Mg/L	10.35	10.0	8.0	8.0	6.0	6.0						
19.	B.O.D.(3 day 27°C)	Mg/L	*	*	*	*	*	*						
20.	C.O.D.	Mg/L	20.0	22.0	20.0	20.0	22.0	22.0						
21.	Total Alkalinity	Mg/L	140.0	144.0	134.0	110.0	134.0	130.0						
22.	Total Hardness	Mg/L	120.0	122.0	124.0	118.0	124.0	124.0						
23.	Calcium Hardness	Mg/L	80.0	78.0	76.0	80.0	76.0	76.0						
24.	Magnesium Hardness	Mg/L	40.0	44.0	48.0	38.0	48.0	48.0						
25.	Calcium	Mg/L	32.0	31.2	30.4	32.0	30.4	30.4						
26.	Magnesium	Mg/L	9.75	10.73	11.70	9.26	11.70	11.70						
27.	Fluoride	Mg/L	0.043	0.043	0.043	0.023	0.044	0.046						

## River Hasdeo at Champa - U/s at Champa Year – 2014

(NWMP Code No 1106)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov	Dec.
1.	Temperature	°C	29.5	22.5	24.0	34.0	35.0	32.0						
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour		OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.5	7.5	7.5	7.5	7.5	7.5						
5.	Turbidity	NTU/JTU	7.0	09.6	9.4	9.0	9.0	9.0						
6.	Specific Conductivity	µS/cm	244.0	229.0	232.0	242.0	330.0	336.0						
7.	Total Solids	Mg/L	167.0	183.0	189.0	180.0	190.0	194.0						
8.	Dissolved Solids	Mg/L	157.0	166.0	170.0	170.0	170.0	170.0						
9.	Suspended Solids	Mg/L	10.0	17.0	19.0	10.0	29.0	24.0						
10.	Fixed Diss.Solids	Mg/L	84.0	82.8	86.0	84.0	86.0	86.2						
11.	Ammonical Nitrogen	Mg/L	1.379	1.389	1.379	1.379	1.389	1.386						
12.	Nitrate Nitrogen	Mg/L	1.541	1.544	1.546	1.546	1.566	1.564						
13.	Nitrite Nitrogen	Mg/L	0.398	0.396	0.398	0.388	0.399	0.399						
14.	Phosphate	Mg/L	1.681	1.680	1.68	1.70	1.66	1.64						
15.	Chloride	Mg/L	22.0	22.8	22.0	22.0	28.0	26.0						
16.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	14.6	16.0	16.5	18.5	16.5	16.0						
17.	Coliform	MPN/100ml	117.0	108.0	18	28.0	28.0	28.0						
18.	Dissolved Oxygen	Mg/L	8.5	8.5	8.5	7.5	7.5	7.4						
19.	B.O.D.(3 day 27°C)	Mg/L	*	*	*	*	*	*						
20.	C.O.D.	Mg/L	18.0	20.0	18.0	18.0	18.0	18.4						
21.	Total Alkalinity	Mg/L	68.0	98.0	98.0	94.0	92.0	92.0						
22.	Total Hardness	Mg/L	52.0	72.0	74.0	74.0	74.0	74.0						
23.	Calcium Hardness	Mg/L	46.0	56.0	50.0	52.0	50.0	50.0						
24.	Magnesium Hardness	Mg/L	6.0	16.0	24.0	22.0	24.0	24.0						
25.	Calcium	Mg/L	18.4	22.4	20.0	20.8	20.0	50.0						
26.	Magnesium	Mg/L	1.463	3.90	5.85	5.36	5.85	5.85						
27.	Fluoride	Mg/L	0.14	0.16	0.16	0.12	0.16	0.161						

## River Mahanadi at Sheorinarayan D/s Near Road Bridge

(NWMP Code No 1282)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	24.0			34.5								
2.	Appearance	-	Clear			Turbid								
3.	Odour		OL			OL								
4.	pH	pH Units	8.0			8.5								
5.	Turbidity	NTU/JTU	7.6			9.6								
6.	Specific Conductivity	µS/cm	345.0			311.0								
7.	Total Solids	Mg/L	288.0			331.0								
8.	Dissolved Solids	Mg/L	273.0			296.0								
9.	Suspended Solids	Mg/L	15.0			35.0								
10.	Fixed Diss.Solids	Mg/L	162.0			112.0								
11.	Ammonical Nitrogen	Mg/L	0.399			0.6998								
12.	Nitrate Nitrogen	Mg/L	0.36			0.861								
13.	Nitrite Nitrogen	Mg/L	0.068			0.168								
14.	Phosphate	Mg/L	1.3			9.8								
15.	Chloride	Mg/L	57.0			77.0								
16.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	25.99			44.99								
17.	Coliform	MPN/100ml	162.0			162.0								
18.	Dissolved Oxygen	Mg/L	6.0			5.8								
19.	B.O.D.(3 day 27°C)	Mg/L	*			*								
20.	C.O.D.	Mg/L	50.0			55.0								
21.	Total Alkalinity	Mg/L	164.0			165.0								
22.	Total Hardness	Mg/L	150.0			155.0								
23.	Calcium Hardness	Mg/L	100.0			118.0								
24.	Magnesium Hardness	Mg/L	50.0			37.0								
25.	Calcium	Mg/L	40.0			47.2								
26.	Magnesium	Mg/L	12.19			9.02								
27.	Fluoride	Mg/L	0.888			0.898								

**River Mahanadi at Balpur Village. A/c of Mand River**  
**(NWMP Code No 1467)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	24.72	24.0	25.0	34.0	36.0	32.0						
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour		OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.5	7.5	7.5	7.5	7.5	7.5						
5.	Turbidity	NTU/JTU	9.1	09.8	9.6	7.1	9.0	9.0						
6.	Specific Conductivity	μS/cm	294.0	298.0	296.0	241.0	396.0	400.0						
7.	Total Solids	Mg/L	209.0	209.0	214.0	207.0	218.0	222.0						
8.	Dissolved Solids	Mg/L	191.0	193.0	196.0	191.0	194.0	194.0						
9.	Suspended Solids	Mg/L	18.0	16.0	18.0	16.0	24.0	28.0						
10.	Fixed Diss.Solids	Mg/L	111.0	110.0	112.0	82.0	76.0	76.0						
11.	Ammonical Nitrogen	Mg/L	0.35	0.3538	0.3528	0.3528	0.3628	0.3926						
12.	Nitrate Nitrogen	Mg/L	0.48	0.488	0.484	0.486	0.494	0.492						
13.	Nitrite Nitrogen	Mg/L	0.058	0.059	0.054	0.058	0.074	0.074						
14.	Phosphate	Mg/L	1.211	1.210	1.208	1.211	1.218	1.218						
15.	Chloride	Mg/L	24.0	28.0	30.0	22.0	36.0	40.0						
16.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	18.93	20.0	20.5	22.0	20.5	22.0						
17.	Coliform	MPN/100ml	118.0	108.0	28.0	72.0	58.0	54.0						
18.	Dissolved Oxygen	Mg/L	8.36	8.5	8.0	8.0	7.0	7.0						
19.	B.O.D.(3 day 27°C)	Mg/L	*	*	*	*	*	*						
20.	C.O.D.	Mg/L	40.0	38.0	32.0	30.0	30.0	28.0						
21.	Total Alkalinity	Mg/L	86.0	98.0	98.0	86.0	98.0	98.0						
22.	Total Hardness	Mg/L	72.0	78.0	76.0	72.0	76.0	76.0						
23.	Calcium Hardness	Mg/L	60.0	60.0	62.0	54.0	64.0	64.0						
24.	Magnesium Hardness	Mg/L	12.0	18.0	14.0	18.0	12.0	12.0						
25.	Calcium	Mg/L	24.0	24.0	24.8	21.6	25.6	25.6						
26.	Magnesium	Mg/L	2.926	4.39	3.41	4.39	2.92	2.92						
27.	Fluoride	Mg/L	0.053	0.0534	0.0536	0.0331	0.0436	0.0434						

## Borewell water near Bannak Chowk I/A Sirgitti, Bilaspur

(NWMP Code No 1623)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C				29.5								
2.	Appearance	-				Clear								
3.	Odour					OL								
4.	pH	pH Units				7.5								
5.	Turbidity	NTU/JTU				6.0								
6.	Specific Conductivity	µS/cm				355.0								
7.	Total Solids	Mg/L				285.0								
8.	Dissolved Solids	Mg/L				173.0								
9.	Suspended Solids	Mg/L				12.0								
10.	Fixed Diss.Solids	Mg/L				142.0								
11.	Ammonical Nitrogen	Mg/L				0.3998								
12.	Nitrate Nitrogen	Mg/L				0.36								
13.	Nitrite Nitrogen	Mg/L				0.068								
14.	Phosphate	Mg/L				1.34								
15.	Chloride	Mg/L				36.0								
16.	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	Mg/L				28.0								
17.	Coliform	MPN/100ml				0.4								
18.	Dissolved Oxygen	Mg/L				4.5								
19.	B.O.D.(3 day 27°C)	Mg/L				*								
20.	C.O.D.	Mg/L				22.0								
21.	Total Alkalinity	Mg/L				164.0								
22.	Total Hardness	Mg/L				152.0								
23.	Calcium Hardness	Mg/L				100.0								
24.	Magnesium Hardness	Mg/L				52.0								
25.	Calcium	Mg/L				40.0								
26.	Magnesium	Mg/L				12.00								
27.	Fluoride	Mg/L				0.888								

Bore well near I/A Tifra Bilaspur - Bore well water

(NWMP Code No 1622)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C				29.5								
2.	Appearance	-				Clear								
3.	Odour					OL								
4.	pH	pH Units				7.5								
5.	Turbidity	NTU/JTU				3.1								
6.	Specific Conductivity	µS/cm				628.0								
7.	Total Solids	Mg/L				428.0								
8.	Dissolved Solids	Mg/L				418.0								
9.	Suspended Solids	Mg/L				10.0								
10.	Fixed Diss.Solids	Mg/L				188.0								
11.	Ammonical Nitrogen	Mg/L				0.987								
12.	Nitrate Nitrogen	Mg/L				0.685								
13.	Nitrite Nitrogen	Mg/L				0.061								
14.	Phosphate	Mg/L				2.42								
15.	Chloride	Mg/L				40.0								
16.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L				62.0								
17.	Coliform	MPN/100ml				02								
18.	Dissolved Oxygen	Mg/L				4.2								
19.	B.O.D.(3 day 27°C)	Mg/L				*								
20.	C.O.D.	Mg/L				18.0								
21.	Total Alkalinity	Mg/L				180.0								
22.	Total Hardness	Mg/L				314.0								
23.	Calcium Hardness	Mg/L				220.0								
24.	Magnesium Hardness	Mg/L				94.0								
25.	Calcium	Mg/L				88.0								
26.	Magnesium	Mg/L				22.9								
27.	Fluoride	Mg/L				0.64								

**Sheonath River at Dagori Village. Near Satighat, Dagori**  
(NWMP Code No New)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C				34.0								
2.	Appearance	-				Clear								
3.	Odour	-				OL								
4.	pH	pH Units				7.5								
5.	Turbidity	NTU/JTU				9.1								
6.	Specific Conductivity	µS/cm				312.0								
7.	Total Solids	Mg/L				259.0								
8.	Dissolved Solids	Mg/L				241.0								
9.	Suspended Solids	Mg/L				18.0								
10.	Fixed Dissolved Solids	Mg/L				86.0								
11.	Ammonical Nitrogen	Mg/L				0.635								
12.	Nitrate Nitrogen	Mg/L				0.488								
13.	Nitrite Nitrogen	Mg/L				0.058								
14.	Phosphate	Mg/L				1.21								
15.	Chloride	Mg/L				22.8								
16.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L				22.0								
17.	Coliform	MPN/100ml				108.0								
18.	Dissolved Oxygen	Mg/L				8.0								
19.	B.O.D.(3 day 27°C)	Mg/L				*								
20.	C.O.D.	Mg/L				32.0								
21.	Total Alkalinity	Mg/L				86.0								
22.	Total Hardness	Mg/L				72.0								
23.	Calcium Hardness	Mg/L				44.0								
24.	Magnesium Hardness	Mg/L				28.0								
25.	Calcium	Mg/L				17.6								
26.	Magnesium	Mg/L				6.82								
27.	Fluoride	Mg/L				0.053								

### **River Arpa at Bilaspur**

D/s of Bilaspur city at check dam outlet near deorikhurd Bilaspur.

(NWMP Code No. 1848)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	Temperature	°C				34.0								
2	Appearance	-				Turbid								
3	Odour	-				OL								
4	pH	pH Units				8.5								
5	Turbidity	NTU/JTU				13.8								
6	Specific Conductivity	µS/cm				264.0								
7	Total Solids	Mg/L				388.0								
8	Dissolved Solids	Mg/L				222.0								
9	Suspended Solids	Mg/L				166.0								
10	Fixed Dissolved Solids	Mg/L				185.0								
11	Ammonical Nitrogen	Mg/L				1.982								
12	Nitrate Nitrogen	Mg/L				0.886								
13	Nitrite Nitrogen	Mg/L				0.258								
14	Phosphate	Mg/L				1.44								
15	Chloride	Mg/L				64.0								
16	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L				48.0								
17	Coliform	MPN/100ml				188.0								
18	Dissolved Oxygen	Mg/L				5.2								
19	B.O.D.(3 day 27°C)	Mg/L				*								
20	C.O.D.	Mg/L				65.0								
21	Total Alkalinity	Mg/L				186.0								
22	Total Hardness	Mg/L				172.0								
23	Calcium Hardness	Mg/L				88.0								
24	Magnesium Hardness	Mg/L				84.0								
25	Calcium	Mg/L				35.2								
26	Magnesium	Mg/L				20.48								
27	Fluoride	Mg/L				0.801								

## Natural Water Analysis Report- Year-2014 RO – Durg-Bhilai

### **Sheonath River at Rajnandgaon . U/S Near water supply intake well. (NWMP Code No 1107)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C		25	27	27	-	-						
2.	Appearance	NTU		Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.		OL	OL	OL	OL	OL						
4.	pH	pH Units		7.3	7.5	7.4	7.4	7.4						
5.	Coliform	MPN/100ml		120.0	150.0	210.0	210.0	150.0						
6.	Total Solid	Mg/L		290.0	210.0	330.0	330.0	210.0						
7.	Dissolved Solids	Mg/L		250.0	170.0	290.0	290.0	170.0						
8.	Suspended Solids	Mg/L		40.0	40.0	40.0	40.0	40.0						
9.	Dissolved Oxygen	Mg/L		7.3	6.8	7.4	7.2	6.8						
10.	B.O.D.(3 day 27°C)	Mg/L		1.4	1.4	1.4	1.6	1.4						
11.	C O D	Mg/L		19.2	19.36	19.6	19.6	19.09						
12.	Chloride	Mg/L		20.0	22.0	24.0	22.0	26.0						
13.	Total Alkalinity	Mg/L		106.0	106.0	98.0	98.0	104.0						
14.	Total Hardness	Mg/L		88.0	78.0	84.0	84.0	78.0						
15.	Calcium Hardness	Mg/L		46.0	46.0	40.0	40.0	46.0						
16.	Magnesium Hardness	Mg/L		42.0	32.0	44.0	44.0	32.0						
17.	Ammonical Nitrogen	Mg/L		0.35	0.35	0.40	0.40	0.35						
18.	Nitrate Nitrogen	Mg/L		0.25	0.25	0.35	0.35	0.25						
19.	Nitrite Nitrogen	Mg/L		0.016	0.016	0.016	0.016	0.016						
20.	Phosphate	Mg/L		1.0	1.0	1.0	1.0	1.0						
21.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L		9.0	9.0	14.0	14.0	9.0						
22.	Calcium	Mg/L		18.4	18.4	16.0	16.0	18.4						
23.	Magnesium	Mg/L		10.24	7.80	10.73	10.73	7.80						

## River Sheonath at Durg Near W/s intake well.

(NWPM Code No 1845)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	24	25	27	29	-	-						
2.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.4	7.4	7.5	7.4	7.4	7.5						
5.	Coliform	MPN/100ml	120.0	120.0	150.0	120.	120.0	150.0						
6.	Total Solid	Mg/L	330.0	290.0	220.0	370.0	370.0	210.0						
7.	Dissolved Solids	Mg/L	270.0	240.0	180.0	290.0	290.0	160.0						
8.	Suspended Solids	Mg/L	60.0	50.0	30.0	80.0	80.0	50.0						
9.	Dissolved Oxygen	Mg/L	7.4	7.3	6.8	7.4	7.4	6.8						
10.	B.O.D.(3 day 27°C)	Mg/L	1.5	1.5	1.6	1.5	1.6	1.6						
11.	C O D	Mg/L	29.4	28.8	29.04	29.4	29.04	29.04						
12.	Chloride	Mg/L	26.0	22.0	22.0	26.0	24.0	22.0						
13.	Total Alkalinity	Mg/L	98.0	102.0	104.0	98.0	96.0	98.0						
14.	Total Hardness	Mg/L	94.0	92.0	72.0	84.0	84.0	72.0						
15.	Calcium Hardness	Mg/L	50.0	48.0	28.0	40.0	40.0	28.0						
16.	Magnesium Hardness	Mg/L	44.0	44.0	44.0	44.0	44.0	44.0						
17.	Ammonical Nitrogen	Mg/L	0.50	0.45	0.30	0.50	0.50	0.30						
18.	Nitrate Nitrogen	Mg/L	0.40	0.35	0.25	0.40	0.40	0.25						
19.	Nitrite Nitrogen	Mg/L	0.016	0.020	0.020	0.016	0.016	0.020						
20.	Phosphate	Mg/L	0.9	0.8	0.8	0.9	0.9	0.8						
21.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	13.0	9.0	9.0	13.0	13.0	9.0						
22.	Calcium	Mg/L	20.0	19.2	11.2	16.0	16.0	11.2						
23.	Magnesium	Mg/L	10.73	10.73	10.73	10.73	10.73	10.73						

## River Kharoon at Kumhari, Durg After confluence of Khapri nalla

**(NWMP Code No 1846)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	23	24	26	25	26.0	-						
2.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.5	7.5	7.5	7.5	7.5	7.5						
5.	Coliform	MPN/100ml	360.0	360.0	210.0	240.0	240.0	240.0						
6.	Total Solid	Mg/L	350.0	340.0	270.0	360.0	340.0	270.0						
7.	Dissolved Solids	Mg/L	290.0	270.0	210.0	310.0	300.0	220.0						
8.	Suspended Solids	Mg/L	60.0	70.0	60.0	50.0	40.0	50.0						
9.	Dissolved Oxygen	Mg/L	7.7	7.3	6.8	7.2	7.2	7.2						
10.	B.O.D.(3 day 27°C)	Mg/L	1.8	1.8	1.6	1.8	1.8	1.8						
11.	C O D	Mg/L	39.2	39.52	38.4	49.0	38.72	38.8						
12.	Chloride	Mg/L	44.0	37.0	24.0	43.0	42.0	28.0						
13.	Total Alkalinity	Mg/L	116.0	114.0	108.0	140.0	136.0	114.0						
14.	Total Hardness	Mg/L	106.0	96.0	98.0	120.0	120.0	96.0						
15.	Calcium Hardness	Mg/L	56.0	54.0	58.0	52.0	52.0	54.0						
16.	Magnesium Hardness	Mg/L	50.0	42.0	40.0	68.0	68.0	42.0						
17.	Ammonical Nitrogen	Mg/L	0.65	0.45	0.40	0.65	0.65	0.45						
18.	Nitrate Nitrogen	Mg/L	0.55	0.40	0.35	0.55	0.55	0.40						
19.	Nitrite Nitrogen	Mg/L	0.024	0.030	0.025	0.024	0.024	0.030						
20.	Phosphate	Mg/L	1.5	1.2	1.2	1.5	1.5	1.2						
21.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	16.0	15.0	14.0	16.0	16.0	15.0						
22.	Calcium	Mg/L	22.4	21.6	23.2	20.8	20.8	21.6						
23.	Magnesium	Mg/L	12.19	10.24	9.75	16.58	16.58	10.24						
24.							-							

**River Kharoon at Kumhari, Durg U/s of Khapri nalla  
Near Durg – Raipur Road Bridge\_**

(NWMP Code No 1847)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	25	24	25	26	26	-						
1.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
2.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
3.	pH	pH Units	7.6	7.4	7.4	7.6	7.6	7.4						
2.	Coliform	MPN/100ml	360.0	210.0	150.0	210.0	210.0	210.0						
3.	Total Solid	Mg/L	330.0	320.0	260.0	350.0	340.0	270.0						
4.	Dissolved Solids	Mg/L	270.0	260.0	220.0	310.0	310.0	230.0						
5.	Suspended Solids	Mg/L	60.0	60.0	40.0	40.0	30.0	40.0						
6.	Dissolved Oxygen	Mg/L	7.5	7.4	6.4	7.2	6.8	7.4						
7.	B.O.D.(3 day 27°C)	Mg/L	1.6	1.6	1.6	1.6	1.7	1.6						
8.	C O D	Mg/L	29.4	29.64	28.8	29.4	29.04	28.56						
9.	Chloride	Mg/L	42.0	25.0	22.0	40.0	38.0	26.0						
10.	Total Alkalinity	Mg/L	132.0	112.0	106.0	134.0	124.0	112.0						
11.	Total Hardness	Mg/L	102.0	90.0	94.0	116.0	116.0	90.0						
12.	Calcium Hardness	Mg/L	54.0	46.0	52.0	46.0	46.0	46.0						
13.	Magnesium Hardness	Mg/L	48.0	44.0	42.0	70.0	70.0	44.0						
14.	Ammonical Nitrogen	Mg/L	0.60	0.40	0.35	0.60	0.60	0.40						
15.	Nitrate Nitrogen	Mg/L	0.50	0.30	0.30	0.50	0.50	0.30						
16.	Nitrite Nitrogen	Mg/L	0.016	0.024	0.020	0.016	0.016	0.024						
17.	Phosphate	Mg/L	1.3	1.1	1.1	1.3	1.3	1.1						
18.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	15.0	13.0	12.0	15.0	15.0	13.0						
19.	Calcium	Mg/L	21.6	18.4	20.8	18.4	18.4	18.4						
20.	Magnesium	Mg/L	11.70	10.73	10.24	17.07	17.07	10.73						

## Sheonath River at Rajnandgaon – D/s at Mohad Village

(NWMP Code No 3167)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct	Nov.	Dec.
1.	Temperature	°C	25	25	27	28	-	-						
2.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.5	0.374	7.4	7.5	7.5	7.5						
5.	Coliform	MPN/100ml	360.0	240.0	210.0	240.0	240.0	210.0						
6.	Total Solid	Mg/L	340.0	352.0	250.0	360.0	350.0	240.0						
7.	Dissolved Solids	Mg/L	280.0	272.0	210.0	300.0	300.0	18.0						
8.	Suspended Solids	Mg/L	60.0	80.0	40.0	60.0	50.0	60.0						
9.	Dissolved Oxygen	Mg/L	7.5	6.5	6.8	7.5	7.5	6.8						
10.	B.O.D.(3 day 27°C)	Mg/L	1.6	1.4	1.6	1.4	1.6	1.6						
11.	C O D	Mg/L	29.4	28.8	29.04	29.4	29.04	28.56						
12.	Chloride	Mg/L	26.0	33.98	24.0	26.4	28.0	28.0						
13.	Total Alkalinity	Mg/L	102.0	152.0	110.0	102.0	98.0	112.0						
14.	Total Hardness	Mg/L	94.0	102.0	82.0	86.0	86.0	82.0						
15.	Calcium Hardness	Mg/L	48.0	52.0	50.0	40.0	40.0	50.0						
16.	Magnesium Hardness	Mg/L	46.0	48.0	32.0	46.0	46.0	32.0						
17.	Ammonical Nitrogen	Mg/L	0.40	0.40	0.40	0.40	0.40	0.40						
18.	Nitrate Nitrogen	Mg/L	0.45	0.374	0.30	0.35	0.35	0.30						
19.	Nitrite Nitrogen	Mg/L	0.020	0.024	0.020	0.016	0.016	0.020						
20.	Phosphate	Mg/L	1.0	1.0	1.3	1.1	1.1	1.3						
21.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	10.0	11.0	12.0	14.0	14.0	12.0						
22.	Calcium	Mg/L	19.2	20.8	20.0	16.0	16.0	20.0						
23.	Magnesium	Mg/L	10.73	11.7	7.80	10.73	17.73	7.80						

## River Sheonath at Jhinhri Village A/C of Samoda Nalla

(NWMP Code No 3166)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	26	26	28	28	28	-						
2.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.4	7.6	7.4	7.4	7.4	7.4						
5.	Coliform	MPN/100ml	240.0	360.0	240.0	240.0	240.0	210.0						
6.	Total Solid	Mg/L	360.0	350.0	330.0	330.0	330.0	290.0						
7.	Dissolved Solids	Mg/L	290.0	270.0	240.0	270.0	260.0	230.0						
8.	Suspended Solids	Mg/L	70.0	80.0	90.0	60.0	70.0	60.0						
9.	Dissolved Oxygen	Mg/L	7.6	7.5	7.0	7.8	7.8	7.3						
10.	B.O.D.(3 day 27°C)	Mg/L	1.7	1.9	1.8	1.8	1.8	1.6						
11.	C O D	Mg/L	38.72	39.20	38.72	38.4	39.0	38.08						
12.	Chloride	Mg/L	38.0	42.0	32.0	36.4	34.0	32.0						
13.	Total Alkalinity	Mg/L	136.0	126.0	134.0	132.0	130.0	126.0						
14.	Total Hardness	Mg/L	118.0	112.0	118.0	118.0	118.0	112.0						
15.	Calcium Hardness	Mg/L	64.0	50.0	54.0	54.0	54.0	50.0						
16.	Magnesium Hardness	Mg/L	54.0	62.0	64.0	64.0	64.0	62.0						
17.	Ammonical Nitrogen	Mg/L	0.5	0.50	0.45	0.45	0.45	0.40						
18.	Nitrate Nitrogen	Mg/L	0.4	0.55	0.40	0.40	0.40	0.35						
19.	Nitrite Nitrogen	Mg/L	0.03	0.040	0.024	0.024	0.024	0.024						
20.	Phosphate	Mg/L	1.4	1.4	1.3	1.3	1.3	1.3						
21.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	17.0	14.0	14.0	17.0	17.0	14.0						
22.	Calcium	Mg/L	21.6	20.0	21.6	21.6	21.6	20.0						
23.	Magnesium	Mg/L	15.60	15.12	15.60	15.6	15.6	15.12						

**Nehru Nagar Talab, Bhilai**  
**Talab Water**  
**(NWMP Code No 3164)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	26.0	26.0	25.0	25.0	-	-						
2.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Clear						
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
4.	pH	pH Units	7.4	6.8	7.3	7.4	7.5	7.3						
5.	Coliform	MPN/100ml	210.0	460.0	460.0	460.0	460.0	460.0						
6.	Total Solid	Mg/L	430.0	410.0	410.0	410.0	430.0	430.0						
7.	Dissolved Solids	Mg/L	350.0	320.0	330.0	340.0	350.0	360.0						
8.	Suspended Solids	Mg/L	80.0	90.0	80.0	70.0	80.0	7.0						
9.	Dissolved Oxygen	Mg/L	6.7	6.7	6.6	6.7	6.8	6.8						
10.	B.O.D.(3 day 27°C)	Mg/L	19.0	18.0	22.0	22.0	22.0	20.0						
11.	C O D	Mg/L	170.0	174.24	174.24	205.8	183.92	171.36						
12.	Chloride	Mg/L	74.0	70.0	72.0	72.0	72.0	68.0						
13.	Total Alkalinity	Mg/L	138.0	136.0	176.0	176.0	172.0	172.0						
14.	Total Hardness	Mg/L	132.0	132.0	132.0	132.0	132.0	132.0						
15.	Calcium Hardness	Mg/L	86.0	86.0	86.0	86.0	86.0	86.0						
16.	Magnesium Hardness	Mg/L	46.0	46.0	46.0	46.0	46.0	46.0						
17.	Ammonical Nitrogen	Mg/L	0.75	0.45	1.90	0.45	0.45	1.90						
18.	Nitrate Nitrogen	Mg/L	0.65	0.50	1.20	0.35	0.35	1.20						
19.	Nitrite Nitrogen	Mg/L	0.024	0.030	0.030	0.024	0.024	0.030						
20.	Phosphate	Mg/L	1.6	1.6	2.4	1.6	1.6	2.4						
21.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	26.0	24.0	28.0	26.0	26.0	28.0						
22.	Calcium	Mg/L	34.4	34.4	34.4	34.4	34.4	39.4						
23.	Magnesium	Mg/L	11.21	11.21	11.21	11.21	11.21	11.27						

**Hitkasa Tailing Dam, of M/s Rajhara Iron Ore Mines  
Hitkasa Tailing Reservoir**

**(NWMP Code No 3163)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	23	24	26	26	-	-						
1.	Appearance	NTU	Clear	Clear	Clear	Clear	Clear	Redis h						
2.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL						
3.	pH	pH Units	7.4	7.4	7.2	7.3	7.2	7.2						
2.	Coliform	MPN/100ml	460.0	360.0	260.0	260.0	260.0	260.0						
3.	Total Solid	Mg/L	370.0	390.0	320.0	320.0	430.0	490.0						
4.	Dissolved Solids	Mg/L	290.0	320.0	250.0	260.0	320.0	380.0						
5.	Suspended Solids	Mg/L	80.0	70.0	70.0	60.0	110.0	110.0						
6.	Dissolved Oxygen	Mg/L	6.4	7.2	6.0	6.0	7.8	12.0						
7.	B.O.D.(3 day 27°C)	Mg/L	11.0	9.0	7.4	7.6	7.6	18.0						
8.	C O D	Mg/L	90.0	88.2	125.64	125.64	127.4	190.0						
9.	Chloride	Mg/L	49.0	48.0	58.0	58.0	59.0	74.0						
10.	Total Alkalinity	Mg/L	126.0	120.0	126.0	126.0	138.0	128.0						
11.	Total Hardness	Mg/L	118.0	116.0	96.0	96.0	96.0	96.0						
12.	Calcium Hardness	Mg/L	70.0	68.0	60.0	60.0	60.0	60.0						
13.	Magnesium Hardness	Mg/L	48.0	48.0	42.0	42.0	42.0	42.0						
14.	Ammonical Nitrogen	Mg/L	0.55	0.60	0.50	0.50	0.50	0.35						
15.	Nitrate Nitrogen	Mg/L	0.40	0.40	0.45	0.45	0.45	0.35						
16.	Nitrite Nitrogen	Mg/L	0.040	0.024	0.024	0.024	0.024	0.025						
17.	Phosphate	Mg/L	1.7	1.6	1.6	1.6	1.6	1.6						
18.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L	21.0	18.0	14.0	14.0	14.0	14.0						
19.	Calcium	Mg/L	28.0	27.2	24.0	24.0	24.0	24.0						
20.	Magnesium	Mg/L	11.70	11.70	10.24	10.24	10.24	10.24						

**Hand Pump Water, Nepali Mohalla Shankar Nagar,  
H.I.A., Bhilai**

**(NWMP Code No 3171)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C						-						
4.	Appearance	NTU						Clear						
5.	Odour	Threshold No.						OL						
6.	pH	pH Units						7.4						
2.	Coliform	MPN/100ml						9.0						
3.	Total Solid	Mg/L						180.0						
4.	Dissolved Solids	Mg/L						140.0						
5.	Suspended Solids	Mg/L						40.0						
6.	Dissolved Oxygen	Mg/L						6.2						
7.	B.O.D.(3 day 27°C)	Mg/L						1.2						
8.	C O D	Mg/L						57.12						
9.	Chloride	Mg/L						32.0						
10.	Total Alkalinity	Mg/L						104.0						
11.	Total Hardness	Mg/L						96.0						
12.	Calcium Hardness	Mg/L						56.0						
13.	Magnesium Hardness	Mg/L						40.0						
14.	Ammonical Nitrogen	Mg/L						0.050						
15.	Nitrate Nitrogen	Mg/L						0.35						
16.	Nitrite Nitrogen	Mg/L						0.024						
17.	Phosphate	Mg/L						1.0						
18.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L						12.0						
19.	Calcium	Mg/L						22.4						
20.	Magnesium	Mg/L						9.75						

**NWMP Report Year -2013**  
**Regional Office - Jagdalpur**

1. Comparative Statement of Indravati River at Nelasnar Dantewada . After confluence of Dantewada River.  
(NWMP Code No. 1854)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	20											
2.	Appearance	-	Clear											
3.	Odour	Threshold No.	OL											
4.	pH	pH Units	7.5											
5.	Total Solids	Mg/L	198.0											
6.	Dissolved Solids	Mg/L	152.0											
7.	Suspended Solids	Mg/L	46.0											
8.	Chloride (as Cl)	Mg/L	30.0											
9.	Total Alkalinity		34.0											
10.	Total Hardness	Mg/L	30.0											
11.	Calcium Hardness	Mg/L	18.0											
12.	Magnesium Hardness	Mg/L	12.0											
13.	D. O	Mg/L	7.6											
14.	B.O.D.(3 day 27°C)	Mg/L	1.3											
15.	C.O.D.	Mg/L	44.0											
16.	Coliform	MPN/100ml	4.0											
17.	Calcium	Mg/L	7.2											
18.	Magnesium	Mg/L	2.92											

## 2. Shankni River /Dantewada River

### 3. A/C of Shankani river& Dankni River at Dantewada Near Tumnar road Bridge (NWMP Code No. 1856)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	20											
2.	Appearance	-	Clear											
3.	Odour	Threshold No.	OL											
4.	pH	pH Units	7.6											
5.	Total Solids	Mg/L	246.0											
6.	Dissolved Solids	Mg/L	184.0											
7.	Suspended Solids	Mg/L	62.0											
8.	Chloride (as Cl)	Mg/L	38.0											
9.	Total Alkalinity		56.0											
10.	Total Hardness	Mg/L	52.0											
11.	Calcium Hardness	Mg/L	34.0											
12.	Magnesium Hardness	Mg/L	18.0											
13.	D. O	Mg/L	7.5											
14.	B.O.D.(3 day 27° C)	Mg/L	1.3											
15.	C.O.D.	Mg/L	44.0											
16.	Coliform	MPN/100ml	8.0											
17.	Calcium	Mg/L	13.6											
18.	Magnesium	Mg/L	4.39											

**Year-2014 Regional Office - Korba**  
**Comparative Statement of Hasdeo River Korba**

**U/S of Hasdeo Bango Hydel Power Station, Machadoli, Korba (NWMP Code No. 1105)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec.	Avg
1.	Temperature	°C	25.1	25.5	26.5	26.6	27.1	26.7							
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear							
3.	Odour	Threshold	OL	OL	OL	OL	OL	OL							
4.	pH	pH unit	7.20	7.19	7.20	7.21	7.24	7.20							
5.	Dissolved Solids	Mg/L	284.0	289.0	286.0	283.0	255.0	250.0							
6.	Suspended Solids	Mg/L	46.0	49.0	46.0	45.0	41.0	44.0							
7.	Alkalinity	Mg/L	76.0	74.0	72.0	76.0	74.0	76.0							
8.	Ammonical Nitrogen	Mg/L	1.1	1.2	1.2	1.0	1.2	1.2							
9.	Nitrate Nitrogen	Mg/L	1.0	1.1	1.0	0.8	1.0	1.1							
10.	Nitrite Nitrogen	Mg/L	0.06	0.06	0.08	0.08	0.06	0.08							
11.	Phosphate	Mg/L	0.8	0.6	0.8	0.6	0.8	0.8							
12.	Chloride	Mg/L	16.99	17.99	16.99	18.99	17.99	18.99							
13.	Sulphate	Mg/L	10.0	12.0	12.0	8.0	8.0	10.0							
14.	Dissolved Oxy.	Mg/L	6.6	6.8	6.6	6.6	6.8	6.6							
15.	BOD (3 days 27° C)	Mg/L	1.0	1.0	0.8	0.8	1.0	0.8							
16.	COD	Mg/L	16.0	20.0	14.0	10.0	14.0	16.0							
17.	Calcium Hardness	Mg/L	36.0	40.0	42.0	40.0	48.0	44.0							
18.	Magnesium Hardness	Mg/L	26.0	26.0	22.0	26.0	20.0	24.0							
19.	Total Hardness	Mg/L	62.0	66.0	64.0	66.0	68.0	64.0							
20.	Coliform	MPN/ 100ml	46.0	34.0	36.0	40.0	30.0	60.0							

**100 Meter D/s after confluence of Dengurnallah near CSEB (E) Guest House, Korba. (NWMP Code No. 3165)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C	25.2	25.5	26.5	26.5	27.1	26.7							
2.	Appearance	-	ST	ST	ST	ST	ST	ST							
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL							
4.	pH	pH Units	7.11	7.12	7.13	7.12	7.14	7.11							
5.	Dissolved Solids	Mg/L	321.0	322.0	324.0	316.0	302.0	302.0							
6.	Suspended Solids	Mg/L	61.0	64.0	66.0	62.0	66.0	70.0							
7.	Alkalinity	Mg/L	74.0	72.0	70.0	72.0	74.0	70.0							
8.	Ammonical Nitrogen	Mg/L	1.0	1.1	1.0	1.2	1.0	1.1							
9.	Nitrate Nitrogen	Mg/L	0.9	1.0	0.8	1.0	0.8	1.0							
10.	Nitrite Nitrogen	Mg/L	0.08	0.06	0.06	0.06	0.06	0.08							
11.	Phosphate	Mg/L	0.6	0.8	0.6	0.8	0.6	0.6							
12.	Chloride	Mg/L	18.99	17.99	16.99	15.99	17.99	18.99							
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	14.0	12.0	10.0	8.0	8.0	10.0							
14.	Dissolved Oxygen	Mg/L	5.6	5.4	5.2	5.8	6.0	5.8							
15.	B.O.D.(3 day 27°C)	Mg/L	1.8	2.0	2.2	2.0	1.6	1.8							
16.	C.O.D.	Mg/L	22.0	18.0	20.0	18.0	14.0	20.0							
17.	Calcium Hardness	Mg/L	32.0	36.0	32.0	34.0	36.0	38.0							
18.	Magnesium Hardness	Mg/L	26.0	24.0	30.0	32.0	28.0	24.0							
19.	Total Hardness	Mg/L	58.0	60.0	62.0	66.0	64.0	62.0							
20.	Coliform	MPN/100ml	63.0	70.0	60.0	50.0	60.0	70.0							

### D/s near of Hosdev River Near Urga Village-Korba (NWMP Code No. 3168)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C	25.2	25.6	26.5	26.5	27.2	26.8							
2.	Appearance	-	ST	ST	ST	ST	ST	ST							
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL							
4.	pH	pH Units	7.16	7.20	7.22	7.21	7.20	7.17							
5.	Dissolved Solids	Mg/L	328.0	327.0	328.0	320.0	308.0	299.0							
6.	Suspended Solids	Mg/L	66.0	70.0	71.0	72.0	74.0	82.0							
7.	Alkalinity	Mg/L	78.0	76.0	74.0	78.0	76.0	78.0							
8.	Ammonical Nitrogen	Mg/L	1.2	1.4	1.2	1.4	1.2	1.4							
9.	Nitrate Nitrogen	Mg/L	1.0	1.2	1.0	1.3	1.0	1.2							
10.	Nitrite Nitrogen	Mg/L	0.1	0.08	0.08	0.08	0.08	0.09							
11.	Phosphate	Mg/L	0.8	1.0	0.8	1.0	0.8	0.8							
12.	Chloride	Mg/L	21.99	20.99	18.99	19.99	20.99	21.99							
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	18.0	16.0	14.0	12.0	10.0	14.0							
14.	Dissolved Oxygen	Mg/L	5.2	5.0	4.8	5.2	5.6	5.2							
15.	B.O.D.(3 day 27°C)	Mg/L	2.4	2.2	2.8	2.6	2.0	2.2							
16.	C.O.D.	Mg/L	28.0	24.0	26.0	24.0	22.0	26.0							
17.	Calcium Hardness	Mg/L	34.0	38.0	36.0	40.0	42.0	40.0							
18.	Magnesium Hardness	Mg/L	30.0	30.0	32.0	30.0	26.0	28.0							
19.	Total Hardness	Mg/L	64.0	68.0	68.0	70.0	70.0	68.0							
20.	Coliform	MPN/100ml	70.0	79.0	70.0	60.0	70.0	80.0							

**Drinking Water intake well of municipal corporation Korba before treatment plant at Kohadia. (NWMP Code No. 3169)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C	25.3	25.4	26.4	26.6	27.1	26.8							
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear							
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL							
4.	pH	pH Units	7.20	7.21	7.22	7.23	7.22	7.20							
5.	Dissolved Solids	Mg/L	276.0	271.0	272.0	259.0	254.0	240.0							
6.	Suspended Solids	Mg/L	58.0	61.0	56.0	52.0	50.0	58.0							
7.	Alkalinity	Mg/L	66.0	68.0	70.0	72.0	76.0	74.0							
8.	Ammonical Nitrogen	Mg/L	1.0	1.2	1.0	1.2	1.0	0.8							
9.	Nitrate Nitrogen	Mg/L	0.8	1.0	0.9	1.0	0.8	0.7							
10.	Nitrite Nitrogen	Mg/L	0.06	0.08	0.08	0.06	0.08	0.08							
11.	Phosphate	Mg/L	0.8	1.0	0.8	0.6	0.6	0.8							
12.	Chloride	Mg/L	14.99	15.99	14.99	15.99	170.99	18.99							
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	10.0	12.0	14.0	12.0	14.0	12.0							
14.	Dissolved Oxygen	Mg/L	6.2	6.0	6.2	6.0	6.4	6.2							
15.	B.O.D.(3 day 27° C)	Mg/L	1.4	1.2	1.4	1.2	1.0	1.2							
16.	C.O.D.	Mg/L	12.0	14.0	18.0	20.0	16.0	20.0							
17.	Calcium Hardness	Mg/L	34.0	36.0	38.0	40.0	36.0	34.0							
18.	Magnesium Hardness	Mg/L	24.0	26.0	24.0	26.0	28.0	32.0							
19.	Total Hardness	Mg/L	58.0	62.0	62.0	66.0	64.0	66.0							
20.	Coliform	MPN/100ml	49.0	43.0	40.0	46.0	40.0	30.0							

## Drinking Water intake well of municipal corporation Korba after treatment plant at Kohadia. (NWMP Code No. 3170)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C	25.4	25.5	26.5	26.7	27.2	26.9							
2.	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear							
3.	Odour	Threshold No.	OL	OL	OL	OL	OL	OL							
4.	pH	pH Units	7.28	7.25	7.24	7.26	7.25	7.23							
5.	Dissolved Solids	Mg/L	38.0	239.0	238.0	237.0	235.0	232.0							
6.	Suspended Solids	Mg/L	68.0	39.0	38.0	37.0	35.0	30.0							
7.	Alkalinity	Mg/L	0.8	72.0	76.0	78.0	80.0	82.0							
8.	Ammonical Nitrogen	Mg/L	0.6	1.0	0.8	1.0	0.8	0.6							
9.	Nitrate Nitrogen	Mg/L	0.04	0.8	0.8	0.8	0.7	0.5							
10.	Nitrite Nitrogen	Mg/L	0.6	0.04	0.06	0.04	0.06	0.08							
11.	Phosphate	Mg/L	18.99	0.8	0.6	0.4	0.4	0.6							
12.	Chloride	Mg/L	12.0	17.99	17.99	18.99	19.99	23.99							
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	6.4	10.0	10.0	8.0	10.0	10.0							
14.	Dissolved Oxygen	Mg/L	0.6	6.6	6.8	6.6	6.8	6.6							
15.	B.O.D.(3 day 27° C)	Mg/L	8.0	0.8	0.6	0.8	0.4	0.6							
16.	C.O.D.	Mg/L	38.0	10.0	8.0	8.0	6.0	8.0							
17.	Calcium Hardness	Mg/L	18.0	40.0	44.0	48.0	44.0	40.0							
18.	Magnesium Hardness	Mg/L	56.0	24.0	24.0	20.0	22.0	30.0							
19.	Total Hardness	Mg/L	23.0	64.0	66.0	68.0	66.0	70.0							
20.	Coliform	MPN/100ml		27.0	27.0	25.0	20.0	10.0							

### Bore well / Hand pump in Rogbahari Village - Korba (NWMP Code No. 3172)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C		26.4		26.8									
2.	Appearance	-		Clear		Clear									
3.	Odour	Threshold No.		OL		OL									
4.	pH	pH Units		6.84		6.86									
5.	Dissolved Solids	Mg/L		188.0		188.0									
6.	Suspended Solids	Mg/L		46.0		48.0									
7.	Alkalinity	Mg/L		68.0		70.0									
8.	Ammonical Nitrogen	Mg/L		-		Nil									
9.	Nitrate Nitrogen	Mg/L		0.6		0.8									
10.	Nitrite Nitrogen	Mg/L		-		Nil									
11.	Phosphate	Mg/L		1.2		0.8									
12.	Chloride	Mg/L		36.98		35.98									
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L		4.0		6.0									
14.	Dissolved Oxygen	Mg/L		2.2		2.4									
15.	B.O.D.(3 day 27° C)	Mg/L		0.6		0.4									
16.	C.O.D.	Mg/L		14.0		10.0									
17.	Calcium Hardness	Mg/L		44.0		46.0									
18.	Magnesium Hardness	Mg/L		12.0		14.0									
19.	Total Hardness	Mg/L		56.0		60.0									
20.	Coliform	MPN/100ml		2.0		Nil									

### Bore well / Hand pump in Parsabhata Balco Korba (NWMP Code No. 3173)

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C		26.6		26.9									
2.	Appearance	-		Clear		Clear									
3.	Odour	Threshold No.		OL		OL									
4.	pH	pH Units		7.10		7.11									
5.	Dissolved Solids	Mg/L		226.0		220.0									
6.	Suspended Solids	Mg/L		50.0		52.0									
7.	Alkalinity	Mg/L		186.0		188.0									
8.	Ammonical Nitrogen	Mg/L		-		Nil									
9.	Nitrate Nitrogen	Mg/L		0.6		0.6									
10.	Nitrite Nitrogen	Mg/L		-		Nil									
11.	Phosphate	Mg/L		1.4		0.6									
12.	Chloride	Mg/L		30.99		31.99									
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L		8.0		8.0									
14.	Dissolved Oxygen	Mg/L		2.4		2.0									
15.	B.O.D.(3 day 27° C)	Mg/L		0.4		0.2									
16.	C.O.D.	Mg/L		10.0		8.0									
17.	Calcium Hardness	Mg/L		86.0		90.0									
18.	Magnesium Hardness	Mg/L		44.0		44.0									
19.	Total Hardness	Mg/L		130.0		134.0									
20.	Coliform	MPN/100ml		-		Nil									

**Bore well / Hand pump in Dhanras NTPC Korba (NWMP Code No. 3174)**

S. No.	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	A
1.	Temperature	°C		26.3		26.9									
2.	Appearance	-		Clear		Clear									
3.	Odour	Threshold No.		OL		OL									
4.	pH	pH Units		7.18		7.17									
5.	Dissolved Solids	Mg/L		166.0		169.0									
6.	Suspended Solids	Mg/L		46.0		45.0									
7.	Alkalinity	Mg/L		108.0		112.0									
8.	Ammonical Nitrogen	Mg/L		-		Nil									
9.	Nitrate Nitrogen	Mg/L		0.4		0.4									
10.	Nitrite Nitrogen	Mg/L		-		Nil									
11.	Phosphate	Mg/L		1.4		0.8									
12.	Chloride	Mg/L		15.99		17.99									
13.	Sulphate(as SO <sub>4</sub> <sup>2-</sup> )	Mg/L		6.0		10.0									
14.	Dissolved Oxygen	Mg/L		2.2		4.0									
15.	B.O.D.(3 day 27° C)	Mg/L		0.6		0.2									
16.	C.O.D.	Mg/L		12.0		6.0									
17.	Calcium Hardness	Mg/L		44.0		42.0									
18.	Magnesium Hardness	Mg/L		16.0		22.0									
19.	Total Hardness	Mg/L		60.0		64.0									
20.	Coliform	MPN/100ml		2.0		Nil									

**Year -2014**  
**NWMP Report**  
**Regional Office – Raigarh**

**1. River Mahanadi at Surajgarh Village Distt.- Raigarh, Inter State Boundary, Near Surajgarh Village**  
**(NWMP Code No. -1101)**

S. No	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	21.0	22.0	23	29.0	27	22	20					
2.	pH	pH unit	7.5	7.4	7.5	7.5	7.4	7.5	7.6					
3.	Turbidity	NTU	-	-	-	9.8		-						
4.	Specific Conductivity	Micro Mhos	237.0	231.0	240.0	262.0	260	274	302.0					
5.	Dissolved Solids	Mg/L	-	-	-	129.0		-						
6.	Suspended Solids	Mg/L	-	-	-	40.0		-						
7.	Ammonical nitrogen	Mg/L	1.14	1.12	1.09	1.12	1.098	1.11	1.34					
8.	Nitrate nitrogen	Mg/L	1.04	1.02	1.02	1.04	1.02	1.08	1.2					
9.	Nitrite nitrogen	Mg/L	0.027	0.027	0.026	0.026	0.026	0.026	0.026					
10.	Phosphate	Mg/L	-	-	-	0.9		-						
11.	Chloride	Mg/L	-	-	-	19.0		-						
12.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	-	-	-	34.0		-						
13.	Coliform	MPN/ 100ml	93.0	93.0	93.0	43.0	43	64.0	1100					
14.	Dissolved Oxygen	Mg/L	7.3	7.4	7.3	7.1	7.1	7.2	7.3					
15.	BOD (3 days 27° C)	Mg/L	*	*	1.1	0.9	0.9	1.1	2.1					
16.	C.O.D.	Mg/L	-	-	-	16.0		-						
17.	Total Alkalinity	Mg/L	-	-	-	98.0		-						
18.	Total Hardness	Mg/L	-	-	-	79.0		-						
19.	Calcium	Mg/L	-	-	-	21.2		-						
20.	Magnesium	Mg/L	-	-	-	6.34		-						

**2. Comparative Statement Of Kelo River at Raigarh Up Stream of Raigarh City  
(NWMP Code No. -1849)**

S. No	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	21.0	22.0	23.0	29	27	22	20					
2.	pH	pH unit	7.5	7.6	7.6	7.5	7.5	7.5	7.5					
3.	Turbidity	NTU	-	-	-	11.6								
4.	Specific Conductivity	Micro Mhos	192.0	194.0	192.0	212.0	215	247.0	300.0					
5.	Dissolved Solids	Mg/L	-	-	-	132.0								
6.	Suspended Solids	Mg/L	-	-	-	42.0								
7.	Ammonical nitrogen	Mg/L	1.17	1.14	1.12	1.14	1.12	1.14	1.36					
8.	Nitrate nitrogen	Mg/L	1.06	1.04	1.02	1.06	1.04	1.1	1.22					
9.	Nitrite nitrogen	Mg/L	0.027	0.027	0.026	0.027	0.027	0.027	0.027					
10.	Phosphate	Mg/L	-	-	-	0.9								
11.	Chloride	Mg/L	-	-	-	22.0								
12.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	-	-	-	36.0								
13.	Coliform	MPN/ 100ml	120.0	150.0	120.0	64.0	64	75.0	1100					
14.	Dissolved Oxygen	Mg/L	7.2	7.3	7.2	7.0	7.1	7.2	7.3					
15.	BOD (3 days 27° C)	Mg/L	*	*	1.2	1.2	1.1	1.1	2.0					
16.	C.O.D.	Mg/L	-	-	-	20.0								
17.	Total Alkalinity	Mg/L	-	-	-	100.0								
18.	Total Hardness	Mg/L	-	-	-	80.0								
19.	Calcium	Mg/L	-	-	-	21.6								
20.	Magnesium	Mg/L	-	-	-	6.34								

**Comparative Statement Of Kelo River at Raigarh Down Stream of Raigarh City  
(NWMP Code No. -1850)**

S. No	Characteristics	Unit	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C	21.0	22.0	23.0	29	27	22	20					
2.	pH	pH unit	7.6	7.7	7.7	7.6	7.6	7.6	7.6					
3.	Turbidity	NTU	-	-	-	25.0								
4.	Specific Conductivity	Micro Mhos	198.0	196.0	198.0	221.0	222	250.0	307.0					
5.	Dissolved Solids	Mg/L	-	-	-	142.0								
6.	Suspended Solids	Mg/L	-	-	-	70.0								
7.	Ammonical nitrogen	Mg/L	1.22	1.24	1.26	1.29	1.31	1.16	1.39					
8.	Nitrate nitrogen	Mg/L	1.08	1.1	1.12	1.14	1.14	1.12	1.24					
9.	Nitrite nitrogen	Mg/L	0.028	0.028	0.027	0.026	0.026	0.027	0.027					
10.	Phosphate	Mg/L	-	-	-	1.1								
11.	Chloride	Mg/L	-	-	-	26.0								
12.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L	-	-	-	44.0								
13.	Coliform	MPN/ 100ml	210.0	240.0	240.0	120.0	150	120.0	110.0					
14.	Dissolved Oxygen	Mg/L	7.1	7.2	7.0	6.8	6.9	7.1	7.3					
15.	BOD (3 days 27° C)	Mg/L	*	*	2.0	2.2	2.3	2.0	2.1					
16.	C.O.D.	Mg/L	-	-	-	28.0								
17.	Total Alkalinity	Mg/L	-	-	-	120.0								
18.	Total Hardness	Mg/L	-	-	-	95.0								
19.	Calcium	Mg/L	-	-	-	26.0								
20.	Magnesium	Mg/L	-	-	-	7.31								

**NWMP Report Year -2013**  
**Regional Office - Raipur**

**(1) Rivers Mahanadi at Rajim, D/S , Near Nawapara Rajim Road Bridge**  
**(NWMP Code No. 1099)**

S. No.	Characteristics	Unit	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov	De c
1.	Temperature	°C			34.0									
2.	Appearance	-			-									
3.	Odour	Threshold No.			-									
4.	pH	pH Units			7.86									
5.	Specific Conductivity	Micro Mhos			277.0									
6.	Turbidity	NTU/JTU			25.0									
7.	Total Solids	Mg/L			-									
8.	Dissolved Solids	Mg/L			138.0									
9.	Suspended Solids	Mg/L			42.0									
10.	Fixed Diss.Solids	Mg/L			98.0									
11.	Nitrite Nitrogen	Mg/L			1.2									
12.	Dissolved Oxygen	Mg/L			7.86									
13.	B.O.D. (3 day 27° C)	Mg/L			1.2									
14.	C.O.D.	Mg/L			26.0									
15.	Total Alkalinity	Mg/L			-									
16.	Total Hardness	Mg/L			72.0									
17.	Calcium Hardness	Mg/L			-									
18.	Magnesium Hardness	Mg/L			-									
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L			-									
20.	Fluoride	Mg/L			-									
21.	Phosphate	Mg/L			-									
22.	Chloride	Mg/L			-									
23.	Calcium	Mg/L			16.8									
24.	Magnesium	Mg/L			7.31									
25.	Sodium	Mg/L			14.0									
26.	Potassium	Mg/L			6.0									
27.	Coliform	MPN/100ml			-									

**(2) Comparative Statement of Rivers Mahanadi at Rudri Dame , U/S of Dhamtari Reservoir  
(NWMP Code No. 1264)**

S. No.	Characteristics	Unit	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27°C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20.	Fluoride(as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

(3) Comparative Statement of Rivers Kharun at Bhatagoan, U/S Near W/S Intakewell,  
(NWMP Code No. 1265)

S. No.	Characteristics	Unit	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27° C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20.	Fluoride(as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

(4) Comparative Statement of Rivers Shivnath at Simga, Near Simga Bemetara Road Bridge,  
(NWMP Code No. 1266)

S. No.	Characteristics	Unit	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27°C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20.	Fluoride (as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

(5) Comparative Statement of Rivers Kharun at Bendri Village , U/S Near CSIDC W/S Intekewell,  
(NWMP Code No. 1853

S. No.	Characteristics	Unit	Jan.	Feb	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27° C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>-</sup> )	Mg/L												
20.	Fluoride (as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

**(6) Comparative Statement of Rivers Mahanadi at Sihawa Origin Point of River Mahandi**  
**(NWMP Code No. 1851)**

S. No.	Characteristics	Unit	Jan.	Feb	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27° C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20.	Fluoride (as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

(7) Comparative Statement of Rivers Mahanadi at Arang Near Gandhi Setu NH No. 06  
(NWMP Code No. 1852)

S. No.	Characteristics	Unit	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27° C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate(as SO <sub>4</sub> <sup>-</sup> )	Mg/L												
20.	Fluoride(as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												

**(8) Comparative Statement of Bore well Water New H.I.G. 11, Tatibandh, Office Premises RO, CECB, Raipur  
(NWMP Code No. 1620)**

S. No.	Characteristics	Unit	Jan.	Feb	Mar	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	Temperature	°C												
2	Appearance	-												
3	Odour	-												
4	pH	pH Units												
5	Specific Conductivity	µMicro/cm												
6	Turbidity	NTU/JTU												
7	Total Solids	Mg/L												
8	Dissolved Solids	Mg/L												
9	Suspended Solids	Mg/L												
10	Fixed Diss.Solids	Mg/L												
11	Nitrite Nitrogen	Mg/L												
12	Dissolved Oxygen	Mg/L												
13	B.O.D.(3 day 27° C)	Mg/L												
14	C.O.D.	Mg/L												
15	Total Alkalinity	Mg/L												
16	Total Hardness	Mg/L												
17	Calcium Hardness	Mg/L												
18	Magnesium Hardness	Mg/L												
19	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20	Fluoride (as F <sup>-</sup> )	Mg/L												
21	Phosphate	Mg/L												
22	Chloride	Mg/L												
23	Calcium	Mg/L												
24	Magnesium	Mg/L												
25	Sodium	Mg/L												
26	Potassium	Mg/L												
27	Coliform	MPN/100ml												

**(9) Comparative Statement of Bore well M/s Prakruti Industries, Rawabhata, Raipur  
(NWMP Code No. 1621)**

S. No.	Characteristics	Unit	Jan.	Feb	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1.	Temperature	°C												
2.	Appearance	-												
3.	Odour	-												
4.	pH	pH Units												
5.	Specific Conductivity	µMicro/cm												
6.	Turbidity	NTU/JTU												
7.	Total Solids	Mg/L												
8.	Dissolved Solids	Mg/L												
9.	Suspended Solids	Mg/L												
10.	Fixed Diss.Solids	Mg/L												
11.	Nitrite Nitrogen	Mg/L												
12.	Dissolved Oxygen	Mg/L												
13.	B.O.D.(3 day 27° C)	Mg/L												
14.	C.O.D.	Mg/L												
15.	Total Alkalinity	Mg/L												
16.	Total Hardness	Mg/L												
17.	Calcium Hardness	Mg/L												
18.	Magnesium Hardness	Mg/L												
19.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	Mg/L												
20.	Fluoride (as F <sup>-</sup> )	Mg/L												
21.	Phosphate	Mg/L												
22.	Chloride	Mg/L												
23.	Calcium	Mg/L												
24.	Magnesium	Mg/L												
25.	Sodium	Mg/L												
26.	Potassium	Mg/L												
27.	Coliform	MPN/100ml												