



छत्तीसगढ़ पर्यावरण संरक्षण मंडल
पर्यावास भवन, नार्थ ब्लॉक, सेक्टर-19,
अटल नगर, जिला-रायपुर (छ.ग.) 492002
ई-मेल- hocecb@gmail.com

क्रमांक ५६८७/मुख्या./वैज्ञा./छ.ग.प.सं.म./2018 अटल नगर, रायपुर, दिनांक/१७/०८/२०१८
 प्रति,

क्षेत्रीय अधिकारी,
 क्षेत्रीय कार्यालय,
 छ.ग. पर्यावरण संरक्षण मंडल,
 रायपुर/बिलासपुर/रायगढ़/दुर्ग-भिलाई/अंबिकापुर/कोरबा/
 जगदलपुर (छ.ग.)

विषय :- मूर्ति के विसर्जन से जल स्त्रोतों की जल गुणवत्ता पर पड़ने वाले विपरीत प्रभावों के रोकथाम के लिये की गई कार्यवाही की जानकारी बाबत।

संदर्भ :- 1. मंडल मुख्यालय का पृ.क. 2771/मुख्या./वैज्ञा./छ.ग. प.सं.म./2018 नया रायपुर दिनांक 03.07.2018
 2. मंडल मुख्यालय का पृ.क. 2773/मुख्या./वैज्ञा./छ.ग.प.सं.म./2018 नया रायपुर दिनांक 03.07.2018

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उपरोक्त विषयांतर्गत संदर्भित पत्रों के परिपालन में माननीय नेशनल ग्रीन ट्रिब्युनल सेंट्रल जोनल बैच भोपाल के निर्देश/केन्द्रीय प्रदूषण नियंत्रण बोर्ड द्वारा जारी गाइड लाइन के अनुसार गणेशोत्सव पर मूर्ति विसर्जन के दौरान जल स्त्रोतों की जल गुणवत्ता पर पड़ने वाले विपरीत प्रभावों की रोकथाम के लिये की गई कार्यवाही, अस्थायी विसर्जन कुण्ड के निर्माण के संबंध में जानकारी/विसर्जन के पश्चात घाटों की साफ-सफाई, जल विश्लेषण रिपोर्ट, ध्वनि मापन की जानकारी आदि फोटोग्राफ सहित भेजा जाना सुनिश्चित करें। जिससे संकलित जानकारी केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली को भेजी जा सकें।

इसी अनुक्रम में दुर्गोत्सव के दौरान भी उपरोक्तानुसार कार्य किया जाना सुनिश्चित करें, जिससे कि मूर्ति विसर्जन के दौरान जल स्त्रोतों की जल गुणवत्ता पर पड़ने वाले विपरीत प्रभावों की रोकथाम की जा सके।

0/C

सदस्य सचिव
 छत्तीसगढ़ पर्यावरण संरक्षण मंडल,
 अटल नगर, जिला-रायपुर (छ.ग.)

राज्य व लेक्टर एवं जिला दण्डाधिकारी, जिला—गरियाबंद(छ.ग.)

क्रमांक/ 1828 / एस.डब्ल्यू/ 2018

// ज्ञापन //

गरियाबंद, दिनांक 25/07/2018

1. गृहिणी अधीक्षक,
गरियाबंद
2. अनुविभागीय दण्डाधिकारी,
गरियाबंद / देवभोग / राजिम
3. मुख्य नगर पालिका अधिकारी,
नगर पालिका परिषद गरियाबंद
नगर पंचायत राजिम / छुरा / फिंगेश्वर



मान्यता के विसर्जन से राज्य के जल स्रोतों की जल गुणवत्ता पर पड़ने वाले विपरित प्रभावों की रोकथाम के संबंध में दिशा-निर्देश बाबत।

छत्तीसगढ़ पर्यावरण संरक्षण मंडल पर्यावरण भवन, नॉर्थ ब्लॉक सेक्टर-19
नया रायपुर का पत्र क्रमांक/ 2770 / मुख्या. / वैज्ञा. / छ.ग.प.सं.म. / 2018
नया रायपुर दिनांक 03.07.2018

उपरोक्त सन्दर्भित पत्र के संबंध में लेख है कि मूर्तियों के विसर्जन से राज्य के जल स्रोतों की जल गुणवत्ता पर पड़ने वाले विपरित प्रभावों की रोकथाम के संबंध में विश्वास-निर्देश जारी किया गया है, छायाप्रति संलग्न है। पत्र में उल्लेखित मूर्तियों का कड़ाई से पालन करे एवं की गई कार्यताही से इस कार्यालय को अवगत कराना सुनिश्चित करे।

संलग्न :- उपरोक्तानुसार।

क्रमांक/ 1828-A / एस.डब्ल्यू/ 2018

संयुक्त कलेक्टर,
वास्ते कलेक्टर, गरियाबंद
गरियाबंद, दिनांक 25/07/2018

प्राप्ति-निपित्ति :

अतिरिक्त रायिव, छत्तीसगढ़ पर्यावरण संरक्षण मंडल पर्यावरण भवन, नॉर्थ ब्लॉक सेक्टर-19 नया रायपुर को उनके सन्दर्भित पत्र के तारतम्य में सूचनार्थ सम्प्रेषित।

Add Sec/CE(I/C)ACE(R/L)
SE(B/M/S) / SSO/EE/OC
PRO X SO (A/C) / Stf. O

संयुक्त कलेक्टर,
वास्ते कलेक्टर, गरियाबंद

MEMBER SECRETARY



क्षेत्रीय कार्यालय

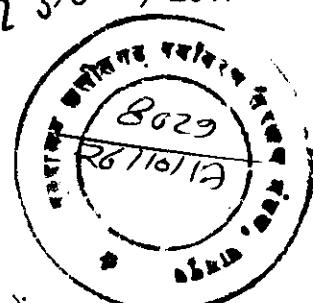
छ.ग. पर्यावरण संरक्षण मण्डल
कबीर नगर व्यवसायिक परिसर, छत्तीसगढ़ गृह निर्माण मण्डल कॉलोनी,
कबीर नगर, रायपुर (छ.ग.)

क्रमांक 4272/वैज्ञा/क्षेका/छ.प.सं.म./2017 रायपुर दिनांक

23/01/2017

प्रति,

✓ सदस्य सचिव,
छत्तीसगढ़ पर्यावरण संरक्षण मण्डल,
मुख्यालय, नया रायपुर (छ.ग.)



विषय :— मूर्ति विसर्जन के दौरान खारून नदी जल नमूनों के संबंध में।

महोदय,

उपरोक्त विषयातंगत लेख है कि खारून नदी के नमूने मूर्ति विसर्जन के पहले, मूर्ति विसर्जन के दौरान एवं मूर्ति विसर्जन के बाद जल नमूने एकत्रित किये गये थे। जल नमूनों का विवरण निम्नांकित अनुसार है :—

1. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के पहले) दिनांक 01.09.2017.
2. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के दौरान) दिनांक 04.09.2017. एवं दिनांक 05.09.2017.
3. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के बाद) दिनांक 09.09.2017.

संलग्न :— उपरोक्तानुसार।

क्षेत्रीय अधिकारी

क्षेत्रीय कार्यालय, रायपुर (छ.ग.)

CE(I/c) / ACE(R/L)
SE(B/M/S) / EE / CC
RO / SO(A/c) / Stt.O / SO-I/II
MEMBER SECRETARY

30/10/17

30/10/17


REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Before Gansh Idol Immersion
Date of Sample Analysis	:	01.09.2017 (10:45 AM)
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	K.C.Sahu (Chemist)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I
1	Temperature	°C	25.0
2	Apperance	--	Slight Turbid
3	Odour	--	Odorless
4	pH	pH Unit	7.62
5	Conductivity	µ Mhos/cm	292.0
6	Turbidity	NTU	56.0
7	Total Solids	Mg/Liter	240.0
8	Total Dissolved Solids	"	198.0
9	Suspended Solids	--	42.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.4
11	Dissolved Oxygen	"	7.4
12	B.O.D.(3-days at 27 °C)	"	2.1
13	C.O.D.	"	18.8
14	Total Alkalinity	"	108.0
15	Total Hardness (as CaCO_3)	"	96.0
16	Calcium Hardness(as CaCO_3)	"	68.0
17	Magnesium Hardness (as CaCO_3)	"	28.0
18	Sulphate (as SO_4)	"	14.0
19	Phosphate (as PO_4)	"	1.8
20	Chloride (as Cl)	"	26.0
21	Calcium	"	28.8
22	Magnesium	"	6.22

Analyzed by

Chemist


Scientist


Regional Officer



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	During Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (02:00 PM). 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (03:15 PM).
Date & Time of Sample Collection	:	04.09.2017
Date of Sample Received	:	04.09.2017
Date of Sample Analysis	:	04.09.2017
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	K.C.Sahu (Chemist)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	27.0	27.0
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.68	7.74
5	Conductivity	µ Mhos/cm	300.0	308.0
6	Turbidity	NTU	64.0	66.0
7	Total Solids	Mg/Liter	248.0	252.0
8	Total Dissolved Solids	"	202.0	200.0
9	Suspended Solids	--	46.0	52.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.6	1.8
11	Dissolved Oxygen	"	7.3	7.2
12	B.O.D.(3-days at 27 °C)	"	2.4	2.6
13	C.O.D.	"	34.24	36.76
14	Total Alkalinity	"	114.0	118.0
15	Total Hardness (as CaCO_3)	"	102.0	106.0
16	Calcium Hardness(as CaCO_3)	"	70.0	73.0
17	Magnesium Hardness (as CaCO_3)	"	32.0	33.0
18	Sulphate (as SO_4)	"	15.0	16.0
19	Phosphate (as PO_4)	"	1.6	1.8
20	Chloride (as Cl)	"	28.0	30.0
21	Calcium	"	29.6	30.4
22	Magnesium	"	6.82	7.31

Analyzed by

Chemist

Scientist

Regional Officer



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	During Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (01:00 PM). 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (02:30 PM).
Date & Time of Sample Collection	:	05.09.2017
Date of Sample Received	:	05.09.2017
Date of Sample Analysis	:	05.09.2017
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	K.C.Sahu (Chemist)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	26.0	27.0
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.72	7.8
5	Conductivity	μ Mhos/cm	306.0	310.0
6	Turbidity	NTU	62.0	66.0
7	Total Solids	Mg/Liter	250.0	254.0
8	Total Dissolved Solids	"	208.0	210.0
9	Suspended Solids	--	42.0	44.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.6	1.7
11	Dissolved Oxygen	"	7.2	7.0
12	B.O.D.(3-days at 27 °C)	"	2.5	2.8
13	C.O.D.	"	33.64	35.64
14	Total Alkalinity	"	118.0	124.0
15	Total Hardness (as CaCO_3)	"	108.0	114.0
16	Calcium Hardness(as CaCO_3)	"	74.0	80.0
17	Magnesium Hardness (as CaCO_3)	"	34.0	34.0
18	Sulphate (as SO_4)	"	17.0	18.0
19	Phosphate (as PO_4)	"	1.7	1.8
20	Chloride (as Cl)	"	30.0	32.0
21	Calcium	"	30.0	31.0
22	Magnesium	"	7.1	7.8

Y.S.
Analyzed by

Y.S.
Chemist

Y.S.
Scientist

Y.S.
Regional Officer



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	After Gansh Idol Immersion 09.09.2017 (04:30 PM)
Date of Sample Analysis	:	09.09.2017
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	K.C.Sahu (Chemist)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result
1	Temperature	°C	26.0
2	Apperance	--	Slight Turbid
3	Odour	--	Odorless
4	pH	pH Unit	7.68
5	Conductivity	µ Mhos/cm	295.0
6	Turbidity	NTU	54.0
7	Total Solids	Mg/Liter	248.0
8	Total Dissolved Solids	"	200.0
9	Suspended Solids	--	48.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.2
11	Dissolved Oxygen	"	7.3
12	B.O.D.(3-days at 27 °C)	"	2.3
13	C.O.D.	"	19.8
14	Total Alkalinity	"	110.0
15	Total Hardness (as CaCO_3)	"	100.0
16	Calcium Hardness(as CaCO_3)	"	74.0
17	Magnesium Hardness (as CaCO_3)	"	26.0
18	Sulphate (as SO_4)	"	12.0
19	Phosphate (as PO_4)	"	1.4
20	Chloride (as Cl)	"	24.0
21	Calcium	"	29.0
22	Magnesium	"	6.34

Analyzed by
[Signature]

Chemist
[Signature]

Scientist
[Signature]

Regional Officer
[Signature]



क्षेत्रीय कार्यालय

छ.ग. पर्यावरण संरक्षण मण्डल
कबीर नगर व्यवसायिक परिसर, छत्तीसगढ़ गृह निर्माण मण्डल कॉलोनी,
कबीर नगर, रायपुर (छ.ग.)

04/01/2016
/ / 2016

क्रमांक १८१३ / वैज्ञा / क्षेका / छ.प.सं.म. / 2016 रायपुर दिनांक

प्रति,

✓ सदस्य सचिव,

छत्तीसगढ़ पर्यावरण संरक्षण मण्डल,
मुख्यालय, नया रायपुर (छ.ग.)

विषय :— मूर्ति विसर्जन के दौरान खारून नदी जल नमूनों के संबंध में।

महोदय,

उपरोक्त विषयातंगत लेख है कि खारून नदी के नमूने मूर्ति विसर्जन के पहले, मूर्ति विसर्जन के दौरान एवं मूर्ति विसर्जन के बाद जल नमूने एकत्रित किये गये थे। जल नमूनों का विवरण निम्नांकित अनुसार है :—

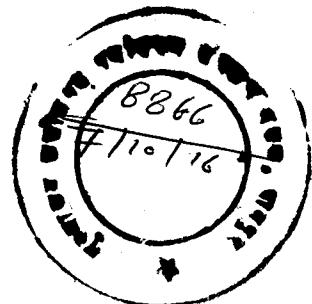
1. खारून नदी महादेवघाट दिनांक 05.09.2016, 07.09.2016, 11.09.2016 एवं 12.09.2016.
2. खारून नदी भाटागांव जल प्रदाय केन्द्र के पास दिनांक 05.09.2016, 07.09.2016, 11.09.2016, 12.09.2016 एवं 13.09.2016.
3. खारून नदी पुराना ब्रिज के पास चंदनीडीह दिनांक 11.09.2016, 12.09.2016 एवं 12.09.2016.
4. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के पहले) दिनांक 13.09.2016, 14.09.2016 एवं 15.09.2016.
5. खारून नदी भाटागांव जल प्रदाय केन्द्र के पास (श्री गणेश मूर्ति विसर्जन के पहले) दिनांक 14.09.2016 एवं 15.09.2016.
6. खारून नदी पुराना ब्रिज के पास चंदनीडीह (श्री गणेश मूर्ति विसर्जन के पहले) दिनांक 14.09.2016 एवं 15.09.2016.
7. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के दौरान) दिनांक 16.09.2016.
8. खारून नदी भाटागांव जल प्रदाय केन्द्र के पास (श्री गणेश मूर्ति विसर्जन के दौरान) दिनांक 16.09.2016 एवं 17.09.2016.
9. खारून नदी पुराना ब्रिज के पास चंदनीडीह (श्री गणेश मूर्ति विसर्जन के दौरान) दिनांक 16.09.2016 एवं 17.09.2016.
10. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के दौरान) दिनांक 17.09.2016.
11. खारून नदी महादेवघाट (श्री गणेश मूर्ति विसर्जन के बाद) दिनांक 21.09.2016.
12. खारून नदी पुराना ब्रिज के पास चंदनीडीह (श्री गणेश मूर्ति विसर्जन के बाद) दिनांक 21.09.2016.

संलग्न :— उपरोक्तानुसार।

CE (V.C) / A.O.H (M.L.)
S.P (B/M/S) / E.E / C.C
PRO / SO (A/C) / S.O / SO-W

क्षेत्रीय अधिकारी
क्षेत्रीय कार्यालय, रायपुर (छ.ग.)

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REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Result I - 05.09.2016 (11:30 AM) Result II - 07.09.2016 (01:00 PM) Result III - 11.09.2016 (02:00 PM) Result IV - 12.09.2016 (12:00 Noon)
Date of Sample Analysis	:	From 05.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II	Result III	Result IV
1	Temperature	°C	28.0	29.0	30.0	28.0
2	Apperance	--	Slight Turbid	Slight Turbid	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless	Odorless	Odorless
4	pH	pH Unit	7.85	7.78	7.44	7.38
5	Conductivity	µ Mhos/cm	296.0	300.0	304.0	306.0
6	Turbidity	NTU	20.0	22.0	24.0	28.0
7	Total Solids	Mg/Liter	244.0	232.0	246.0	250.0
8	Total Dissolved Solids	"	204.0	194.0	196.0	198.0
9	Suspended Solids	--	40.0	38.0	50.0	52.0
10	Nitrite Nitrogen(NO_2^- -N)	"	1.2	1.3	1.4	1.4
11	Dissolved Oxygen	"	7.7	7.6	7.5	7.4
12	B.O.D.(3-days at 27 °C)	"	2.3	2.4	2.6	2.6
13	C.O.D.	"	19.8	19.8	23.76	27.72
14	Total Alkalinity	"	106.0	110.0	112.0	114.0
15	Total Hardness (as CaCO_3)	"	98.0	100.0	102.0	104.0
16	Calcium Hardness(as CaCO_3)	"	70.0	72.0	72.0	74.0
17	Magnesium Hardness (as CaCO_3)	"	28.0	28.0	30.0	30.0
18	Sulphate (as SO_4^-)	"	13.0	13.0	14.0	14.0
19	Phosphate (as PO_4^{3-})	"	1.1	1.2	1.2	1.3
20	Chloride (as Cl)	"	22.0	24.0	26.0	26.0
21	Calcium	"	28.0	28.8	28.8	29.6
22	Magnesium	"	6.82	6.82	7.31	7.31

Analyzed by

C.P.W
Scientist

C.P.W
Regional Officer



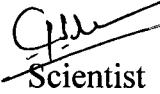
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HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Bhatagoan Near water supply intake well
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Result I - 05.09.2016 (11:00 AM) Result II - 07.09.2016 (01:00 PM) Result III - 11.09.2016 (01:30 PM) Result IV - 12.09.2016 (11:30 AM) Result V - 13.09.2016 (02:00 PM)
Date of Sample Analysis	:	From 05.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II	Result III	Result IV	Result V
1	Temperature	°C	27.0	28.0	29.0	27.0	29.0
2	Apperance	--	Slight Turbid				
3	Odour	--	Odorless	Odorless	Odorless	Odorless	Odorless
4	pH	pH Unit	7.77	7.75	7.74	7.72	7.7
5	Conductivity	µ Mhos/cm	290.0	295.0	298.0	310.0	305.0
6	Turbidity	NTU	18.0	20.0	22.0	24.0	26.0
7	Total Solids	Mg/Liter	240.0	228.0	230.0	235.0	240.0
8	Total Dissolved Solids	"	205.0	190.0	194.0	195.0	198.0
9	Suspended Solids	--	35.0	38.0	36.0	40.0	42.0
10	Nitrite Nitrogen(NO ₂ -N)	"	1.0	1.0	1.2	1.3	1.3
11	Dissolved Oxygen	"	7.4	7.5	7.7	7.6	7.3
12	B.O.D.(3-days at 27 °C)	"	2.1	2.3	2.2	2.3	2.4
13	C.O.D.	"	7.92	7.92	11.88	11.88	15.84
14	Total Alkalinity	"	104.0	102.0	106.0	108.0	110.0
15	Total Hardness (as CaCO ₃)	"	92.0	94.0	96.0	98.0	100.0
16	Calcium Hardness(as CaCO ₃)	"	68.0	72.0	72.0	74.0	74.0
17	Magnesium Hardness (asCaCO ₃)	"	24.0	22.0	24.0	24.0	26.0
18	Sulphate (as SO ₄)	"	12.0	13.0	14.0	14.0	14.0
19	Phosphate (as PO ₄)	"	1.1	1.2	1.2	1.3	1.4
20	Chloride (as Cl)	"	20.0	22.0	24.0	26.0	28.0
21	Calcium	"	27.2	28.8	28.8	29.6	29.6
22	Magnesium	"	5.85	5.36	5.85	5.85	6.34

Analyzed by


Scientist


Regional Officer



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C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Near Old Road Bridge, Chandandih, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Result I - 11.09.2016 (03:00 PM) Result II - 12.09.2016 (01:00 PM) Result III - 13.09.2016 (03:30 PM)
Date of Sample Analysis	:	From 11.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II	Result III
1	Temperature	°C	29.0	30.0	30.0
2	Apperance	--	Slight Turbid	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless	Odorless
4	pH	pH Unit	7.77	7.78	7.75
5	Conductivity	μ Mhos/cm	285.0	288.0	284.0
6	Turbidity	NTU	24.0	22.0	23.0
7	Total Solids	Mg/Liter	236.0	240.0	242.0
8	Total Dissolved Solids	"	198.0	200.0	199.0
9	Suspended Solids	--	38.0	40.0	43.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.0	1.0	1.1
11	Dissolved Oxygen	"	7.5	7.4	7.3
12	B.O.D.(3-days at 27 °C)	"	2.1	2.3	2.4
13	C.O.D.	"	11.88	19.8	19.8
14	Total Alkalinity	"	96.0	98.0	104.0
15	Total Hardness (as CaCO_3)	"	92.0	96.0	100.0
16	Calcium Hardness(as CaCO_3)	"	68.0	70.0	72.0
17	Magnesium Hardness (as CaCO_3)	"	24.0	26.0	28.0
18	Sulphate (as SO_4)	"	12.0	12.0	14.0
19	Phosphate (as PO_4)	"	1.1	1.2	1.2
20	Chloride (as Cl)	"	22.0	24.0	26.0
21	Calcium	"	27.2	28.0	28.8
22	Magnesium	"	5.85	6.34	6.82

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Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Result I - 13.09.2016 (02:30 PM) Result II - 14.09.2016 (11:30 AM) Result III - 15.09.2016 (11:30 AM)
Date of Sample Analysis	:	From 13.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II	Result III
1	Temperature	°C	31.0	29.0	29.0
2	Apperance	--	Slight Turbid	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless	Odorless
4	pH	pH Unit	7.44	7.56	7.35
5	Conductivity	µ Mhos/cm	292.0	296.0	298.0
6	Turbidity	NTU	25.0	27.0	29.0
7	Total Solids	Mg/Liter	244.0	248.0	256.0
8	Total Dissolved Solids	"	202.0	204.0	208.0
9	Suspended Solids	--	42.0	44.0	48.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.1	1.2	1.2
11	Dissolved Oxygen	"	7.6	7.3	7.2
12	B.O.D.(3-days at 27 °C)	"	2.2	2.4	2.5
13	C.O.D.	"	19.8	23.76	27.72
14	Total Alkalinity	"	98.0	104.0	108.0
15	Total Hardness (as CaCO_3)	"	96.0	102.0	106.0
16	Calcium Hardness(as CaCO_3)	"	70.0	74.0	76.0
17	Magnesium Hardness (as CaCO_3)	"	26.0	28.0	30.0
18	Sulphate (as SO_4)	"	14.0	14.0	16.0
19	Phosphate (as PO_4)	"	1.2	1.3	1.4
20	Chloride (as Cl)	"	24.0	26.0	30.0
21	Calcium	"	28.0	29.6	30.4
22	Magnesium	"	6.34	6.82	7.31

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Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Bhatagoan Near water supply intake well
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Before Gansh Idol Immersion Result I - 14.09.2016 (11:00 AM) Result II - 15.09.2016 (10:30 AM)
Date of Sample Analysis	:	15.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II
1	Temperature	°C	28.0	29.0
2	Apperance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless
4	pH	pH Unit	7.74	7.76
5	Conductivity	µ Mhos/cm	296.0	302.0
6	Turbidity	NTU	20.0	22.0
7	Total Solids	Mg/Liter	240.0	242.0
8	Total Dissolved Solids	"	198.0	198.0
9	Suspended Solids	--	42.0	44.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.1	1.1
11	Dissolved Oxygen	"	7.7	7.8
12	B.O.D.(3-days at 27 °C)	"	2.1	2.2
13	C.O.D.	"	11.88	11.88
14	Total Alkalinity	"	106.0	102.0
15	Total Hardness (as CaCO_3)	"	94.0	96.0
16	Calcium Hardness(as CaCO_3)	"	70.0	72.0
17	Magnesium Hardness (as CaCO_3)	"	24.0	24.0
18	Sulphate (as SO_4)	"	11.0	11.0
19	Phosphate (as PO_4)	"	1.2	1.4
20	Chloride (as Cl)	"	22.0	24.0
21	Calcium	"	28.0	28.8
22	Magnesium	"	5.85	5.85

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HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Near Old Road Bridge, Chandandih, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	Before Gansh Idol Immersion Result I - 14.09.2016 (01:30 PM) Result II - 15.09.2016 (01:15 PM)
Date of Sample Analysis	:	15.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II
1	Temperature	°C	29.0	30.0
2	Apperance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless
4	pH	pH Unit	7.34	7.25
5	Conductivity	µ Mhos/cm	302.0	306.0
6	Turbidity	NTU	22.0	24.0
7	Total Solids	Mg/Liter	244.0	245.0
8	Total Dissolved Solids	"	200.0	199.0
9	Suspended Solids	--	44.0	46.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.1	1.1
11	Dissolved Oxygen	"	7.7	7.5
12	B.O.D.(3-days at 27 °C)	"	2.1	2.3
13	C.O.D.	"	11.88	15.84
14	Total Alkalinity	"	108.0	104.0
15	Total Hardness (as CaCO_3)	"	96.0	98.0
16	Calcium Hardness(as CaCO_3)	"	70.0	72.0
17	Magnesium Hardness (as CaCO_3)	"	26.0	26.0
18	Sulphate (as SO_4)	"	12.0	14.0
19	Phosphate (as PO_4)	"	1.2	1.4
20	Chloride (as Cl)	"	24.0	25.0
21	Calcium	"	28.0	28.8
22	Magnesium	"	6.34	6.34

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Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	During Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (02:00 PM). 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (03:00 PM). 3. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (07:30 PM). 4. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (08:15 PM).
Date & Time of Sample Collection	:	16.09.2016
Date of Sample Received	:	16.09.2016
Date of Sample Analysis	:	17.09.2016
Sample Collected By	:	S.K.Khanna (Lab Asst. Grade -II), Y.k.Bhaskar (Lab. Attd.), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab Asst. Grade -II)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2	Result - 3	Result - 4
1	Temperature	°C	29.0	28.0	30.0	30.0
2	Appearance	--	Slight Turbid	Slight Turbid	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless	Odourless	Odourless
4	pH	pH Unit	7.72	7.76	7.62	7.56
5	Conductivity	µ Mhos/cm	310.0	316.0	312.0	320.0
6	Turbidity	NTU	32.0	34.0	34.2	36.0
7	Total Solids	Mg/Liter	260.0	268.0	264.0	270.0
8	Total Dissolved Solids	"	200.0	208.0	204.0	212.0
9	Suspended Solids	--	56.0	60.0	58.0	64.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.2	1.2	1.4	1.4
11	Dissolved Oxygen	"	7.4	7.5	7.4	7.3
12	B.O.D.(3-days at 27 °C)	"	2.4	2.5	2.6	2.7
13	C.O.D.	"	27.72	31.68	31.68	35.64
14	Total Alkalinity	"	118.0	122.0	120.0	124.0
15	Total Hardness (as CaCO_3)	"	102.0	110.0	106.0	114.0
16	Calcium Hardness(as CaCO_3)	"	72.0	78.0	74.0	80.0
17	Magnesium Hardness (as CaCO_3)	"	30.0	32.0	32.0	34.0
18	Sulphate (as SO_4)	"	14.0	14.0	15.0	16.0
19	Phosphate (as PO_4)	"	1.6	1.8	1.7	1.9
20	Chloride (as Cl)	"	26.0	28.0	28.0	30.0
21	Calcium	"	28.8	31.2	29.6	32.0
22	Magnesium	"	7.31	7.8	7.8	8.29

Analyzed by

Q.M.
Scientist

S.
Regional Officer



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Natural Water Analysis Report

Sample Collected From	:	Kharoorn River at Bhatagoan Near water supply intake well
Description of Sample	:	River Water
Date & Time of Sample Collection	:	During Gansh Idol Immersion Result I - 16.09.2016 (01:00 PM) Result II - 17.09.2016 (11:30 AM)
Date of Sample Analysis	:	17.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II
1	Temperature	°C	28.0	29.0
2	Apperance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless
4	pH	pH Unit	7.72	7.75
5	Conductivity	μ Mhos/cm	298.0	306.0
6	Turbidity	NTU	22.0	24.0
7	Total Solids	Mg/Liter	245.0	249.0
8	Total Dissolved Solids	"	200.0	202.0
9	Suspended Solids	--	45.0	47.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.2	1.2
11	Dissolved Oxygen	"	7.6	7.5
12	B.O.D.(3-days at 27 °C)	"	2.2	2.3
13	C.O.D.	"	15.84	15.84
14	Total Alkalinity	"	108.0	110.0
15	Total Hardness (as CaCO_3)	"	98.0	100.0
16	Calcium Hardness(as CaCO_3)	"	72.0	74.0
17	Magnesium Hardness (as CaCO_3)	"	26.0	26.0
18	Sulphate (as SO_4)	"	12.0	12.0
19	Phosphate (as PO_4)	"	1.3	1.4
20	Chloride (as Cl)	"	26.0	26.0
21	Calcium	"	28.8	29.6
22	Magnesium	"	6.34	6.34

Analyzed by

G. J. S.
Scientist

S. K. K.
Regional Officer



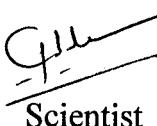
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Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Near Old Road Bridge, Chandandih, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	During Gansh Idol Immersion Result I - 16.09.2016 (03:00 PM) Result II - 17.09.2016 (01:30 PM)
Date of Sample Analysis	:	17.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result I	Result II
1	Temperature	°C	30.0	30.0
2	Apperance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odorless	Odorless
4	pH	pH Unit	7.22	7.35
5	Conductivity	µ Mhos/cm	315.0	309.0
6	Turbidity	NTU	28.0	26.0
7	Total Solids	Mg/Liter	252.0	247.0
8	Total Dissolved Solids	"	202.0	201.0
9	Suspended Solids	--	50.0	46.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.4	1.3
11	Dissolved Oxygen	"	7.2	7.3
12	B.O.D.(3-days at 27 °C)	"	2.4	2.3
13	C.O.D.	"	23.76	15.84
14	Total Alkalinity	"	112.0	110.0
15	Total Hardness (as CaCO_3)	"	104.0	98.0
16	Calcium Hardness(as CaCO_3)	"	74.0	70.0
17	Magnesium Hardness (as CaCO_3)	"	30.0	28.0
18	Sulphate (as SO_4)	"	16.0	12.0
19	Phosphate (as PO_4)	"	1.5	1.3
20	Chloride (as Cl)	"	28.0	26.0
21	Calcium	"	29.6	28.0
22	Magnesium	"	7.31	6.82

Analyzed by


Scientist


Regional Officer



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	During Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (02:30 PM). 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (03:00 PM).
Date & Time of Sample Collection	:	17.09.2016
Date of Sample Received	:	17.09.2016
Date of Sample Analysis	:	18.09.2016
Sample Collected By	:	S.K.Khanna (Lab Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab Asst. Grade -II)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	31.0	31.0
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.68	7.52
5	Conductivity	μ Mhos/cm	319.0	322.0
6	Turbidity	NTU	38.0	42.0
7	Total Solids	Mg/Liter	272.0	274.0
8	Total Dissolved Solids	"	212.0	216.0
9	Suspended Solids	--	62.0	66.0
10	Nitrite Nitrogen(NO ₂ -N)	"	1.4	1.6
11	Dissolved Oxygen	"	7.4	7.2
12	B.O.D.(3-days at 27 °C)	"	2.6	2.8
13	C.O.D.	"	39.6	43.56
14	Total Alkalinity	"	124.0	128.0
15	Total Hardness (as CaCO ₃)	"	114.0	120.0
16	Calcium Hardness(as CaCO ₃)	"	80.0	84.0
17	Magnesium Hardness (asCaCO ₃)	"	34.0	36.0
18	Sulphate (as SO ₄)	"	16.0	18.0
19	Phosphate (as PO ₄)	"	1.9	2.0
20	Chloride (as Cl)	"	32.0	34.0
21	Calcium	"	32.0	33.6
22	Magnesium	"	8.29	8.78

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Scientist

Regional Officer



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C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	After Ganesh Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (04:30 PM). 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion (04:50 PM).
Date & Time of Sample Collection	:	21.09.2016
Date of Sample Received	:	21.09.2016
Date of Sample Analysis	:	22.09.2016
Sample Collected By	:	S.K.Khanna (Lab Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab Asst. Grade -II)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	30.0	30.0
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.78	7.70
5	Conductivity	μ Mhos/cm	305.0	308.0
6	Turbidity	NTU	28.0	30.0
7	Total Solids	Mg/Liter	242.0	248.0
8	Total Dissolved Solids	"	194.0	196.0
9	Suspended Solids	--	48.0	52.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.3	1.3
11	Dissolved Oxygen	"	7.5	7.4
12	B.O.D.(3-days at 27 °C)	"	2.3	2.4
13	C.O.D.	"	23.76	23.76
14	Total Alkalinity	"	110.0	112.0
15	Total Hardness (as CaCO_3)	"	102.0	104.0
16	Calcium Hardness(as CaCO_3)	"	74.0	74.0
17	Magnesium Hardness (as CaCO_3)	"	28.0	30.0
18	Sulphate (as SO_4)	"	12.0	14.0
19	Phosphate (as PO_4)	"	1.2	1.2
20	Chloride (as Cl)	"	25.0	26.0
21	Calcium	"	29.6	29.6
22	Magnesium	"	6.82	7.31

Analyzed by

Scientist

Regional Officer



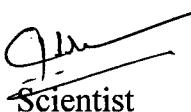
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C.G. ENVIRONMENT CONSERVATION BOARD
HOUSING BOARD COMPLEX, KABIR NAGAR, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Near Old Road Bridge, Chandandih, Raipur
Description of Sample	:	River Water
Date & Time of Sample Collection	:	After Gansh Idol Immersion 21.09.2016 (05:35 PM)
Date of Sample Analysis	:	22.09.2016
Sample Collected By	:	S.K.Khanna (Lab. Asst. Grade -II), Y.K.Bhaskar (Lab. Attd.) Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab. Asst. Grade -II)
Reference	:	As Per Package

S.No.	Characteristics	Unit	Result
1	Temperature	°C	29.0
2	Apperance	--	Slight Turbid
3	Odour	--	Odorless
4	pH	pH Unit	7.68
5	Conductivity	µ Mhos/cm	306.0
6	Turbidity	NTU	24.0
7	Total Solids	Mg/Liter	242.0
8	Total Dissolved Solids	"	198.0
9	Suspended Solids	--	44.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.2
11	Dissolved Oxygen	"	7.4
12	B.O.D.(3-days at 27 °C)	"	2.3
13	C.O.D.	"	15.84
14	Total Alkalinity	"	108.0
15	Total Hardness (as CaCO_3)	"	96.0
16	Calcium Hardness(as CaCO_3)	"	70.0
17	Magnesium Hardness (as CaCO_3)	"	26.0
18	Sulphate (as SO_4)	"	12.0
19	Phosphate (as PO_4)	"	1.2
20	Chloride (as Cl)	"	25.0
21	Calcium	"	28.0
22	Magnesium	"	6.34

Analyzed by


Scientist


Regional Officer

R.D. Raipur

वर्ष 2016 में गृहि विसर्जन के पश्चात किये गये जल नमूनों का विश्लेषण वरिष्ठाम

क्र.	प्राचालक	इकाई	खाली नदी याहतपथ मृति विसर्जन के पश्चात	
			अप रिप्र.	जाहन रिप्र.
1	तापमान	(डिग्री सेलीन्यॉर्ड)	30.0	21.09.2016
2	रंग (लायोरेन्स)	-	हज्जा गटमेला	30.0
3	पानी	-	गंधहीन	हल्का गटमेला
4	पी.एच.	पी.एच. गैस्ट	7.78	7.70
5	स्पोर्सफॉक केंडविट्विट	माइक्रोमोल / लीटर	305.0	308.0
6	टार्पस्ट्री	एच.टी.यू.	28.0	30.0
7	टोटल शीलिड्स	मिलीग्राम / लीटर	242.0	248.0
8	टोटल डिसाल्टड सॉलिड्स	मिलीग्राम / लीटर	194.0	196.0
9	सर्सेड्ड शीलिड्स	मिलीग्राम / लीटर	48.0	52.0
10	नाइट्रोइट नाइट्रोजन	मिलीग्राम / लीटर	1.3	1.3
11	डिसाल्टड शीलिड्स	मिलीग्राम / लीटर	7.5	7.4
12	बायोकैमिकल आर्कीजन	मिलीग्राम / लीटर	2.3	2.4
13	कैमिकल ऑर्कीजन डिमांड	मिलीग्राम / लीटर	23.76	23.76
14	टोटल अल्कलीनिटी	मिलीग्राम / लीटर	110.0	112.0
15	टोटल इड्डनेस	मिलीग्राम / लीटर	102.0	104.0
16	कैल्चरस हाइड्रेन्स	मिलीग्राम / लीटर	74.0	74.0
17	मैनगेशन हाइड्रेन्स	मिलीग्राम / लीटर	28.0	30.0
18	सल्फट	मिलीग्राम / लीटर	12.0	14.0
19	फार्मेट	मिलीग्राम / लीटर	1.2	1.2
20	लायोरेन्स	मिलीग्राम / लीटर	25.0	26.0
21	फॉर्मिक	मिलीग्राम / लीटर	29.6	29.6
22	फॉर्मिक्यून	मिलीग्राम / लीटर	6.82	7.31

वर्ष 2016 में यूरोपीय

विश्वविद्यालय

संख्या	प्राप्तिका	विवर	विवर	विवर	विवर	विवर
1	नियमित वर्षा विवाह	05.09.16	07.09.16	11.0	10.16	16
2	स्था (क्लीवेंस)	-	55.0	55.0	30.0	70.0
3	नियमित वर्षा विवाह	-	55.0	55.0	30.0	70.0
4	नियमित वर्षा विवाह	10.0	10.0	10.0	10.0	10.0
5	नियमित वर्षा विवाह	28.0	28.0	28.0	28.0	28.0
6	नियमित वर्षा विवाह	20.0	22.0	22.0	22.0	22.0
7	नियमित वर्षा विवाह	244.0	152.0	224.0	270.0	274.0
8	टोटा विवाह	नियमित वर्षा विवाह	204.0	194.0	192.0	204.0
9	नियमित वर्षा विवाह	40.0	38.0	50.0	52.0	58.0
10	नियमित वर्षा विवाह	-	-	-	-	-
11	नियमित वर्षा विवाह	1.2	1.3	1.4	1.4	1.4
12	नियमित वर्षा विवाह	7.7	7.6	7.5	7.4	7.3
13	नियमित वर्षा विवाह	23	24	2.6	2.6	2.6
14	नियमित वर्षा विवाह	19.8	18.8	23.76	27.72	31.68
15	नियमित वर्षा विवाह	105.0	100	112.0	114.0	110.0
16	नियमित वर्षा विवाह	100	100	100	100	100
17	नियमित वर्षा विवाह	20	20	22.0	26.0	20
18	नियमित वर्षा विवाह	23.0	23.0	30.0	30.0	32.0
19	नियमित वर्षा विवाह	12.0	12.0	12.0	12.0	12.0
21	नियमित वर्षा विवाह	1.0	1.2	1.2	1.7	1.2
22	नियमित वर्षा विवाह	22.0	24.0	26.0	27.0	32.0
23	नियमित वर्षा विवाह	28.0	28.5	28.1	29.5	32.0
24	नियमित वर्षा विवाह	6.82	6.82	7.31	7.3	8.29



क्षेत्रीय कार्यालय
छ.ग. पर्यावरण संरक्षण मण्डल
न्यू एच.आई.जी. 9,10,11— टाटीबंध, रायपुर

क्रमांक २३३७/वैज्ञा/क्षेका/छ.प.सं.मं./2015

रायपुर दिनांक ९/११/2015

प्रति,

सदस्य सचिव महोदय,
छत्तीसगढ़ पर्यावरण संरक्षण मण्डल,
मुख्यालय, रायपुर (छ.ग.)

विषय :— मूर्ति विसर्जन के दौरान खारून नदी जल नमूनों के संबंध में।

महोदय,

उपरोक्त विषयातंगत लेख है कि खारून नदी के नमूने मूर्ति विसर्जन के पहले, मूर्ति विसर्जन के दौरान एवं मूर्ति विसर्जन के बाद जल नमूने एकत्रित किये गये थे। जल नमूनों का विवरण निम्नांकित अनुसार है :—

1. खारून नदी महादेवघाट (माँ दुर्गा मूर्ति विसर्जन के पहले) दिनांक 20.10.2015.
2. खारून नदी महादेवघाट (माँ दुर्गा मूर्ति विसर्जन के दौरान) उपरी जलधारा । 100 मीटर की दूरी पर। दिनांक 23.10.2015.
3. खारून नदी महादेवघाट (माँ दुर्गा मूर्ति विसर्जन के दौरान) निचली जलधारा । 100 मीटर की दूरी पर। दिनांक 23.10.2015.
4. खारून नदी महादेवघाट (माँ दुर्गा मूर्ति विसर्जन के बाद)। उपरी जलधारा । 100 मीटर की दूरी पर। दिनांक 28.10.2015.
5. खारून नदी महादेवघाट (माँ दुर्गा मूर्ति विसर्जन के बाद)। निचली जलधारा । 100 मीटर की दूरी पर। दिनांक 28.10.2015.

संलग्न :— उपरोक्तानुसार।

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क्षेत्रीय कार्यालय, रायपुर (छ.ग.)

क्षेत्रीय अधिकारी



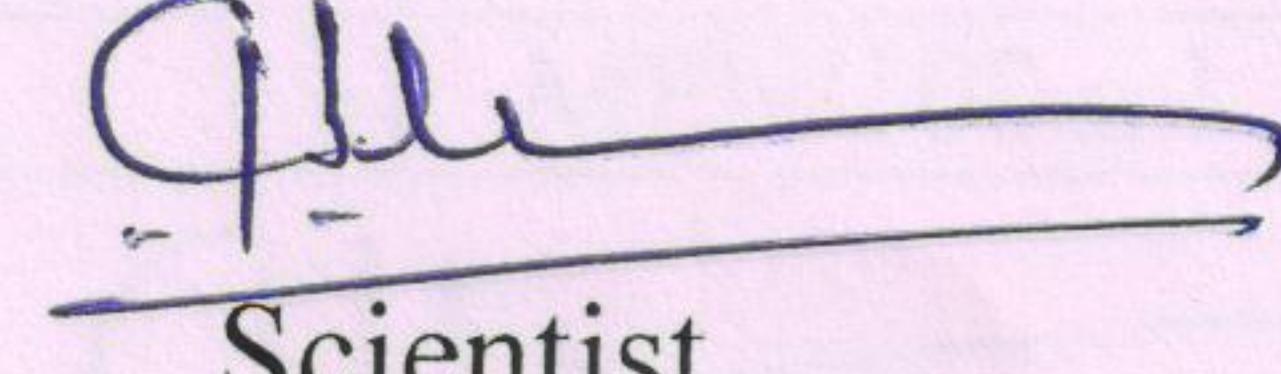
REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	River Kharoon at Mahadev Ghat Road, Raipur Before Maa Durga Idol Immersion.
Description of Sample	:	River Water
Date & Time of Sample Collection	:	20.10.2015 (03:00 P.M.)
Date of Sample Received	:	20.10.2015
Date of Sample Analysis	:	20.10.2015
Sample Collected By	:	H.M.Tiwari (Lab Asst. Grade –I), S.K.Khanna (Lab Asst. Grade –II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	H.M.Tiwari (Lab Asst. Grade –I)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result
1	Temperature	°C	29.0
2	Apperance	--	Slight Turbid
3	Odour	--	Odorless
4	pH	pH Unit	7.77
5	Conductivity	µ Mhos/cm	308.0
6	Turbidity	NTU	32.0
7	Total Solids	Mg/Liter	238.0
8	Total Dissolved Solids	"	182.0
9	Suspended Solids	--	56.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.1
11	Dissolved Oxygen	"	7.8
12	B.O.D.(3-days at 27 °C)	"	2.1
13	C.O.D.	"	15.68
14	Total Alkalinity	"	122.0
15	Total Hardness (as CaCO_3)	"	110.0
16	Calcium Hardness (as CaCO_3)	"	80.0
17	Magnesium Hardness (as CaCO_3)	"	30.0
18	Sulphate (as SO_4)	"	16.0
19	Fluoride (as F)	"	0.24
20	Phosphate (as PO_4)	"	1.7
21	Chloride (as Cl)	"	26.0
22	Calcium	"	32.0
23	Magnesium	"	7.31
24	Coliform	MPN/100 ml	240.0

Analyzed by



Scientist



Regional Officer



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	<p>During Idol Immersion</p> <p>1. Up Stream of Kharoon river approx 100 meters distance from Maa Durga Idol Immersion.</p> <p>2. Down Stream of Kharoon river approx 100 meters distance from Maa Durga Idol Immersion.</p>
Date & Time of Sample Collection	:	23.10.2015 (05:15 P.M.) & (05:25 P.M.)
Date of Sample Received	:	23.10.2015
Date of Sample Analysis	:	23.10.2015
Sample Collected By	:	H.M.Tiwari (Lab Asst. Grade -I), S.K.Khanna (Lab Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	H.M.Tiwari (Lab Asst. Grade -I)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	29.0	29.0
2	Appearance	--	Turbid	Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.84	7.89
5	Conductivity	µ Mhos/cm	388.0	396.0
6	Turbidity	NTU	40.0	48.0
7	Total Solids	Mg/Liter	306.0	328.0
8	Total Dissolved Solids	"	232.0	238.0
9	Suspended Solids	--	74.0	90.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.6	1.8
11	Dissolved Oxygen	"	7.4	7.2
12	B.O.D.(3-days at 27 °C)	"	2.3	2.5
13	C.O.D.	"	43.12	54.88
14	Total Alkalinity	"	128.0	134.0
15	Total Hardness (as CaCO_3)	"	122.0	128.0
16	Calcium Hardness(as CaCO_3)	"	86.0	90.0
17	Magnesium Hardness (as CaCO_3)	"	36.0	38.0
18	Sulphate (as SO_4)	"	18.0	20.0
19	Fluoride (as F)	"	0.28	0.30
20	Phosphate (as PO_4)	"	2.2	2.3
21	Chloride (as Cl)	"	32.0	34.0
22	Calcium	"	34.4	36.0
23	Magnesium	"	8.78	9.26
24	Coliform	MPN/100 ml	350.0	500.0

Analyzed by

Q. M.
Scientist

R. P.
Regional Officer

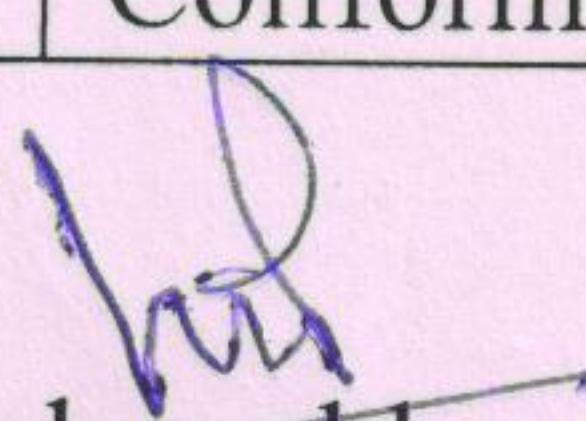


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NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

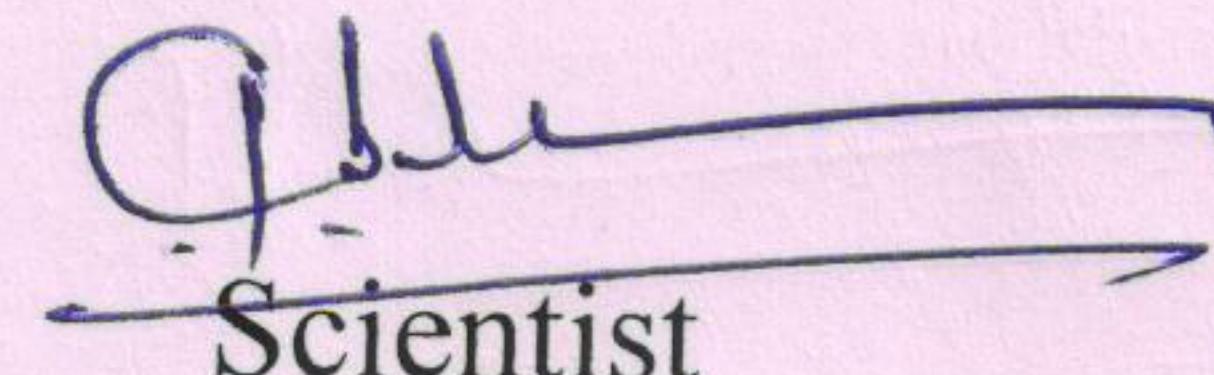
Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	After Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Maa Durga Idol Immersion. 2. Down Stream of Kharoon river approx 100 meters distance from Maa Durga Idol Immersion.
Date & Time of Sample Collection	:	28.10.2015 (04:25 P.M.) & (04:45 P.M.)
Date of Sample Received	:	28.10.2015
Date of Sample Analysis	:	28.10.2015
Sample Collected By	:	H.M.Tiwari (Lab Asst. Grade -I), S.K.Khanna (Lab Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	H.M.Tiwari (Lab Asst. Grade -I)
Reference	:	R.O. Instruction

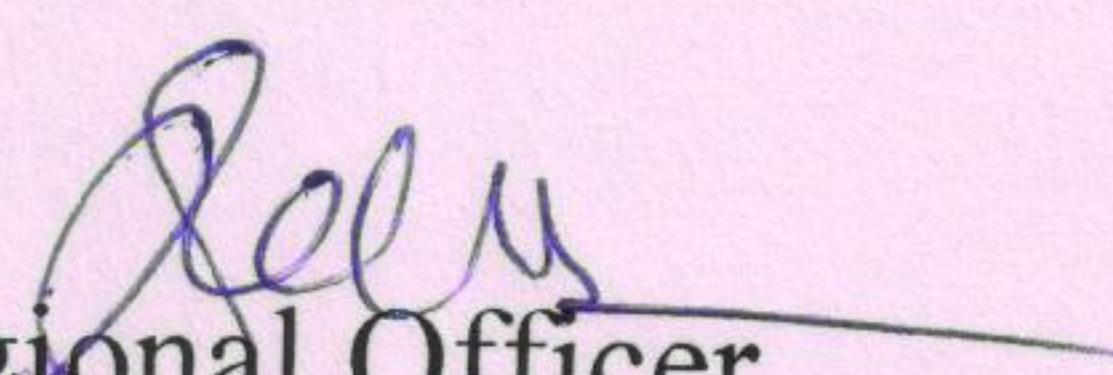
S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	29.5	29.5
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.80	7.82
5	Conductivity	μ Mhos/cm	314.0	318.0
6	Turbidity	NTU	34.0	36.0
7	Total Solids	Mg/Liter	248.0	258.0
8	Total Dissolved Solids	"	188.0	192.0
9	Suspended Solids	--	60.0	66.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.4	1.6
11	Dissolved Oxygen	"	7.7	7.6
12	B.O.D.(3-days at 27 °C)	"	2.2	2.2
13	C.O.D.	"	23.52	23.52
14	Total Alkalinity	"	122.0	124.0
15	Total Hardness (as CaCO_3)	"	112.0	116.0
16	Calcium Hardness(as CaCO_3)	"	82.0	84.0
17	Magnesium Hardness (as CaCO_3)	"	30.0	32.0
18	Sulphate (as SO_4)	"	16.0	16.0
19	Fluoride (as F)	"	0.26	0.26
20	Phosphate (as PO_4)	"	1.8	1.9
21	Chloride (as Cl)	"	28.0	30.0
22	Calcium	"	32.8	33.6
23	Magnesium	"	7.31	7.8
24	Coliform	MPN/100 ml	300.0	350.0



Analyzed by



Scientist



Regional Officer

Report No. - 117/15



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	During Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion. 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion.
Date & Time of Sample Collection	:	29.09.2015 (06:00 P.M.) & (06:10 P.M.)
Date of Sample Received	:	29.09.2015
Date of Sample Analysis	:	30.09.2015
Sample Collected By	:	S.K.Khanna (Lab Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab Asst. Grade -II)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	28.0	28.0
2	Appearance	--	Slight Turbid	Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.82	7.56
5	Conductivity	μ Mhos/cm	365.0	378.0
6	Turbidity	NTU	36.0	44.0
7	Total Solids	Mg/Liter	288.0	324.0
8	Total Dissolved Solids	"	220.0	242.0
9	Suspended Solids	--	68.0	82.0
10	Fixed Dissolved Solids	"	122.0	136.0
11	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.4	1.8
12	Dissolved Oxygen	"	7.6	7.4
13	B.O.D.(3-days at 27 °C)	"	2.4	2.6
14	C.O.D.	"	35.64	43.56
15	Total Alkalinity	"	124.0	130.0
16	Total Hardness (as CaCO_3)	"	116.0	120.0
17	Calcium Hardness(as CaCO_3)	"	82.0	84.0
18	Magnesium Hardness (as CaCO_3)	"	34.0	36.0
19	Sulphate (as SO_4)	"	16.0	20.0
20	Phosphate (as PO_4)	"	2.1	2.4
21	Chloride (as Cl)	"	30.0	32.0
22	Calcium	"	32.8	33.6
23	Magnesium	"	8.29	8.78
24	Coliform	MPN/100 ml	350.0	500.0

Analyzed by

Scientist

Regional Officer

Report No. - 109/15



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	River Kharoon at Mahadev Ghat Road, Raipur Before Ganesh Idol immersion.
Description of Sample	:	River Water
Date & Time of Sample Collection	:	22.09.2015 (06:05 P.M.)
Date of Sample Received	:	22.09.2015
Date of Sample Analysis	:	22.09.2015
Sample Collected By	:	H.M.Tiwari (Lab Asst. Grade -I), S.K.Khanna (Lab Asst. Grade -II), R.R.Tripathi (Lab. Attd.), Gaurish Tripathi (Lab. Attd.)
Sample Analysed by	:	H.M.Tiwari (Lab Asst. Grade -I)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result
1	Temperature	°C	28.0
2	Apperance	--	Slight Turbid
3	Odour	--	Odorless
4	pH	pH Unit	7.74
5	Conductivity	µ Mhos/cm	352.0
6	Turbidity	NTU	30.0
7	Total Solids	Mg/Liter	269.0
8	Total Dissolved Solids	"	212.0
9	Suspended Solids	"	57.0
10	Fixed Dissolved Solids	"	116.0
11	Nitrite Nitrogen(NO ₂ -N)	"	1.2
12	Dissolved Oxygen	"	7.8
13	B.O.D.(3-days at 27 °C)	"	2.1
14	C.O.D.	"	11.88
15	Total Alkalinity	"	120.0
16	Total Hardness (as CaCO ₃)	"	106.0
17	Calcium Hardness (as CaCO ₃)	"	74.0
18	Magnesium Hardness (asCaCO ₃)	"	32.0
19	Sulphate (as SO ₄)	"	14.0
20	Fluoride (as F)	"	0.26
21	Phosphate (as PO ₄)	"	1.8
22	Chloride (as Cl)	"	28.0
23	Calcium	"	29.6
24	Magnesium	"	7.8
27	Coliform	MPN/100 ml	240.0

Analyzed by

Scientist

Regional Officer

Report No. - 118/15



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
NEW H.I.G. 9, 10, 11 TATIBANDH, RAIPUR (C.G.)

Natural Water Analysis Report

Sample Collected From	:	Kharoon River at Mahadev Ghat, Raipur
Description of Sample	:	After Idol Immersion 1. Up Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion. 2. Down Stream of Kharoon river approx 100 meters distance from Ganesh Idol Immersion.
Date & Time of Sample Collection	:	30.09.2015 (06:00 P.M.)
Date of Sample Received	:	30.09.2015
Date of Sample Analysis	:	30.09.2015
Sample Collected By	:	S.K.Khanna (Lab Asst. Grade -II), Sanjay Singh (Lab. Attd.)
Sample Analysed by	:	S.K.Khanna (Lab Asst. Grade -II)
Reference	:	R.O. Instruction

S.No.	Characteristics	Unit	Result - 1	Result - 2
1	Temperature	°C	28.5	28.0
2	Appearance	--	Slight Turbid	Slight Turbid
3	Odour	--	Odourless	Odourless
4	pH	pH Unit	7.64	7.68
5	Conductivity	µ Mhos/cm	298.0	310.0
6	Turbidity	NTU	30.0	36.0
7	Total Solids	Mg/Liter	240.0	260.0
8	Total Dissolved Solids	"	186.0	194.0
9	Suspended Solids	--	54.0	66.0
10	Nitrite Nitrogen($\text{NO}_2\text{-N}$)	"	1.2	1.4
11	Dissolved Oxygen	"	7.7	7.6
12	B.O.D.(3-days at 27 °C)	"	2.2	2.4
13	C.O.D.	"	23.76	27.72
14	Total Alkalinity	"	124.0	130.0
15	Total Hardness (as CaCO_3)	"	118.0	122.0
16	Calcium Hardness(as CaCO_3)	"	86.0	88.0
17	Magnesium Hardness (as CaCO_3)	"	32.0	34.0
18	Sulphate (as SO_4)	"	16.0	18.0
19	Phosphate (as PO_4)	"	1.9	2.1
20	Chloride (as Cl)	"	28.0	30.0
21	Calcium	"	34.4	35.2
22	Magnesium	"	6.82	7.31
23	Coliform	MPN/100 ml	300.0	350.0

Analyzed by

Scientist

Regional Officer