



## TEST REPORT

<b>Issued To:</b> M/s Doon Infrastructure, 5A, West Rest Camp, Dehradun (U.K.).	<b>Report No.:</b> METCLPL/DDN/11112024/14 <b>Sample Id:</b> 111124/14 <b>Date of Receipt:</b> 11/11/2024 <b>Date of performance of Testing:</b> 11-15/11/2024 <b>Date of Issue of Report:</b> 15/11/2024
<b>Sample Description:</b> Surface Water <b>Sample Quantity:</b> 2 Ltr. <b>Sample Condition:</b> Receipt as OK <b>Sample Plan &amp; Sampling Method:</b> N/A. <b>Environment Condition (Temp. &amp; Humidity):</b> 27.6°C & NA <b>Addition to, Deviation or Exclusion from the Method:</b> NA	<b>Location:</b> Upstream <b>Sampling Period:</b> 10/11/2024 (11:20 AM) <b>Test Performed at:</b> Lab <b>Page No.:</b> 1 of 2
<b>Ref. No.:</b> DI/24-25/403 <b>Dated:</b> 07.11.2024 <b>N.O.W.:</b> Construction of 150M Span Double Lane Motor Bridge over Ratmau River in Daluwala-Lalwala Dhanauri Motor Road in District Haridwar under EPC Mode.	

### Requirement as per Environment Protection Rules, 1986

S. No.	Characteristics	Test Value	Discharge of Environmental Pollutants				Method of Test
			Inland Surface Water, Max.	Public Sewers, Max.	Land for irrigation, Max.	Marine coastal areas, Max.	
1.	Turbidity, NTU	4.9	--	--	--	--	IS-3025(P-10)-1984
2.	pH Value	8.12	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	IS-3025(P-11)-2006
3.	Total Hardness, (as CaCO <sub>3</sub> ), mg/l Max.	125.1	--	--	--	--	IS-3025(P-21)-2009
4.	Iron (as Fe), mg/l	0.21	3	3	--	3	IS-3025(P-53)-2012
5.	Chloride (as Cl), mg/l	27.1	--	--	--	--	IS-3025(P-32)-1993
6.	Total Dissolved Solids.mg/l	185.9	--	--	--	--	IS-3025(P-16)-1984
7.	Total Suspended Solid, mg/l	25.4	100	600	200	100	IS-3025 (P-17)-2022
8.	BOD, mg/l	4.1	30	350	100	100	IS 3025 (P-44)-2003
9.	COD, mg/l	18.4	250	--	--	250	IS 3025 (P-58)-2006
10.	Dissolve Oxygen	4.7	--	--	--	--	IS 3025 (P-38)-1989
11.	Lead(pb), mg/l	BDL (DL-0.002)	0.1	1.0	--	2.0	IS 3025 (P-47)-1994
12.	Sulphate (as SO <sub>4</sub> ) mg/l	8.1	400	--	--	--	IS 3025 (Part-24/Sec-1) 2022
13.	Calcium (as Ca) , mg/l	35.4	--	--	--	--	IS: 3025(P-40)-1991
14.	Magnesium (as Mg), mg/l	13.1	--	--	--	--	IS: 3025(P-46)-1994
15.	Total Residual Chlorine, mg/l	BDL (DL-0.001)	1.0	--	--	1.0	IS: 3025(P-26)-1986
16.	Fluoride (as f), mg/l	0.14	2.0	15	--	15	IS: 3025(P-45)-1988
17.	Nitrate (as NO <sub>3</sub> ) mg/l	2.1	--	--	--	--	IS: 3025(P-29)-2008
18.	Potassium as K, mg/l	4.9	--	--	--	--	
19.	Manganese as Mn, mg/l	BDL (DL-0.10)	2	2	--	2	

Mr. Rajesh Kumar M.T.M)

Reviewed & Authorised

- The result listed refer only to the tested samples and applicable parameters endorsement of product is neither inferred nor implied.
- Total liability of our Lab. is limited to the invoiced amount.
- Samples will be destroyed after 30 Days from the date of issue of test report.
- This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



## TEST REPORT

Countd....

Report No.: METCLPL/DDN/11112024/14

Page No.: 2 of 2

S. No.	Characteristics	Test -Value	Inland Surface Water, Max.	Public Sewers, Max.	Land for irrigation, Max.	Marine coastal areas, Max.	Method of Test
20	Sodium (as Na) PPM	12.5	--	--	--	--	3025(P-43/Sec-1)-2022
21	Cyanide (as Cn)	BDL(DL-0.002)	0.2	2.0	0.2	0.2	IS: 3025(P-27)-1993
22	Hexavalent Chromium (Cr+6) mg/l	BDL (DL-0.001)	2.0	2.0	--	2.0	IS: 3025(P-52)-2003
23	Selenium (as Se) (mg/l)	BDL(DL-0.01)	0.05	0.05	--	0.05	IS: 3025(P-56)-2003
24	Mercury ( as Hg) (mg/l)	BDL(DL-0.01)	0.01	0.01	--	0.01	IS: 3025 (P-48)-1994 /Mercury analyser.
25	Boron (mg/l)	BDL(DL-0.50)	--	--	--	--	IS: 3025(P-57) -2005
26	Copper( as Cu)	BDL (DL-0.02)	3.0	3.0	--	3.0	IS: 3025(P-42) -2003
27	Zinc (as Zn)	BDL (DL-0.07)	5.0	15	--	15	IS: 3025(P-49) -1994
28	Arsenic (as AS)	BDL (DL-0.02)	0.2	0.2	0.2	0.2	IS: 3025(P-37) -1988
29	Cadmium( as CD)	BDL(DL-0.001)	2.0	1.0	--	2.0	IS: 3025(P-41) -1992
30	Aluminum (asAl), mg/l	BDL (DL-0.03)	--	--	--	--	IS 3025 (P-55) : 2003

### Bacteriological Test

S. No.	Characteristics	Test -Value	Acceptable Limit	Method of Test
1	Total Coliform Organisms (MPN)	$1.0 \times 10^3$	Shall not be detectable in 100ml, sample (MPN/100 ml)	IS-1622-1981
2	E Coli	41.5	Shall not be detectable in 100ml, sample (MPN/100 ml)	IS-1622-1981

**Note:** 1. The Above Test refers only to the Items tested.

2. Statement of Conformity & Decision Rule (In case of Borderline): N.A.

3. Opinion & Interpretations: N.A.

4. NA stands for Not Applicable, ND stands for Not Detectable, BDL stands for Below Detected limit & DL stands for Detection Limit.

\*\*\*\*\*End of Report\*\*\*\*\*



Mr. Rahul Rohilla QM/T.M)

Reviewed & Authorised

1. The result listed refer only to the tested samples and applicable parameters endorsement of product is neither inferred nor implied.
2. Total liability of our Lab. is limited to the invoiced amount.
3. Samples will be destroyed after 30 Days from the date of issue of test report.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



## TEST REPORT

Issued To: M/s Doon Infrastructure, 5A, West Rest Camp, Dehradun (U.K.).	Report No.: METCLPL/DDN/11112024/15 Sample Id: 111124/15 Date of Receipt: 11/11/2024 Date of performance of Testing: 11-15/11/2024 Date of Issue of Report: 15/11/2024
<b>Sample Description:</b> Surface Water <b>Sample Quantity:</b> 2 Ltr. <b>Sample Condition:</b> Receipt as OK <b>Sample Plan &amp; Sampling Method:</b> N/A. <b>Environment Condition (Temp. &amp; Humidity):</b> 27.6°C & NA <b>Addition to, Deviation or Exclusion from the Method:</b> NA	<b>Location:</b> Upstream <b>Sampling Period:</b> 10/11/2024 (11:20 AM) <b>Test Performed at:</b> Lab <b>Page No.:</b> 1 of 2
Ref. No.: DI/24-25/403      Dated: 07.11.2024	
N.O.W.: Construction of 150M Span Double Lane Motor Bridge over Ratmau River in Daluwala-Lalwala Dhanauri Motor Road in District Haridwar under EPC Mode.	

### Requirement as per Environment Protection Rules, 1986

S. No.	Characteristics	Test Value	Discharge of Environmental Pollutants				Method of Test
			Inland Surface Water, Max.	Public Sewers, Max.	Land for irrigation, Max.	Marine coastal areas, Max.	
1.	Turbidity, NTU	4.5	--	--	--	--	IS-3025(P-10)-1984
2.	pH Value	7.95	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	IS-3025(P-11)-2006
3.	Total Hardness, (as CaCO <sub>3</sub> ), mg/l Max.	115.1	--	--	--	--	IS-3025(P-21)-2009
4.	Iron (as Fe), mg/l	0.19	3	3	--	3	IS-3025(P-53)-2012
5.	Chloride (as Cl), mg/l	25.4	--	--	--	--	IS-3025(P-32)-1993
6.	Total Dissolved Solids, mg/l	191.5	--	--	--	--	IS-3025(P-16)-1984
7.	Total Suspended Solid, mg/l	27.9	100	600	200	100	IS-3025 (P-17)-2022
8.	BOD, mg/l	4.8	30	350	100	100	IS 3025 (P-44)-2003
9.	COD, mg/l	17.5	250	--	--	250	IS 3025 (P-58)-2006
10.	Dissolve Oxygen	4.1	--	--	--	--	IS 3025 (P-38)-1989
11.	Lead(pb), mg/l	BDL (DL-0.002)	0.1	1.0	--	2.0	IS 3025 (P-47)-1994
12.	Sulphate (as SO <sub>4</sub> ) mg/l	9.5	400	--	--	--	IS 3025 (Part-24/Sec-1) 2022
13.	Calcium (as Ca), mg/l	30.4	--	--	--	--	IS: 3025(P-40)-1991
14.	Magnesium (as Mg), mg/l	12.5	--	--	--	--	IS: 3025(P-46)-1994
15.	Total Residual Chlorine, mg/l	BDL (DL-0.001)	1.0	--	--	1.0	IS: 3025(P-26)-1986
16.	Fluoride (as F), mg/l	0.17	2.0	15	--	15	IS 3025 (P-60)-2008
17.	Nitrate (as NO <sub>3</sub> ), mg/l	2.7	--	--	--	--	IS 3025 (P-45)-1993
18.	Potassium as K, mg/l	4.5	--	--	--	--	IS 3025 (P-45)-1993
19.	Manganese as Mn, mg/l	BDL (DL-0.10)	2	2	--	2	IS 3025 (P-59)-1993

Mr. Rakesh Joshi (M.T.M.)

Reviewed & Authorised

- The result listed refer only to the tested samples and applicable parameters endorsement of product is neither inferred nor implied.
- Total liability of our Lab. is limited to the invoiced amount.
- Samples will be destroyed after 30 Days from the date of issue of test report.
- This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



## TEST REPORT

Countd....

Report No.: METCLPL/DDN/11112024/15

Page No.: 2 of 2

S. No.	Characteristics	Test -Value	Inland Surface Water, Max.	Public Sewers, Max.	Land for irrigation, Max.	Marine coastal areas, Max.	Method of Test
20	Sodium (as Na) PPM	13.1	--	--	--	--	3025(P-43/Sec-1)-2022
21	Cyanide (as Cn)	BDL(DL-0.002)	0.2	2.0	0.2	0.2	IS: 3025(P-27)-1993
22	Hexavalent Chromium (Cr+6) mg/l	BDL (DL-0.001)	2.0	2.0	--	2.0	IS: 3025(P-52)-2003
23	Selenium (as Se) (mg/l)	BDL(DL-0.01)	0.05	0.05	--	0.05	IS: 3025(P-56)-2003
24	Mercury ( as Hg) (mg/l)	BDL(DL-0.01)	0.01	0.01	--	0.01	IS: 3025 (P-48)-1994 /Mercury analyser.
25	Boron (mg/l)	BDL(DL-0.50)	--	--	--	--	IS: 3025(P-57) -2005
26	Copper( as Cu)	BDL (DL-0.02)	3.0	3.0	--	3.0	IS: 3025(P-42) -2003
27	Zinc (as Zn)	BDL (DL-0.07)	5.0	15	--	15	IS: 3025(P-49) -1994
28	Arsenic (as AS)	BDL (DL-0.02)	0.2	0.2	0.2	0.2	IS: 3025(P-37) -1988
29	Cadmium( as CD)	BDL(DL-0.001)	2.0	1.0	--	2.0	IS: 3025(P-41) -1992
30	Aluminum (asAl), mg/l	BDL (DL-0.03)	--	--	--	--	IS 3025 (P-55) : 2003

### Bacteriological Test

S. No.	Characteristics	Test -Value	Acceptable Limit	Method of Test
1	Total Coliform Organisms (MPN)	$1.0 \times 10^3$	Shall not be detectable in 100ml, sample (MPN/100 ml)	IS-1622-1981
2	E Coli	341	Shall not be detectable in 100ml, sample (MPN/100 ml)	IS-1622-1981

**Note:** 1. The Above Test refers only to the Items tested.

2. Statement of Conformity & Decision Rule (In case of Borderline): N.A.

3. Opinion & Interpretations: N.A.

4. NA stands for Not Applicable, ND stands for Not Detectable, BDL stands for Below Detected limit & DL stands for Detection Limit.

\*\*\*\*\*End of Report\*\*\*\*\*



Mr. Rahul Rohilla (Q.M./T.M)

Reviewed & Authorised

1. The result listed refer only to the tested samples and applicable parameters endorsement of product is neither inferred nor implied.

2. Total liability of our Lab. is limited to the invoiced amount.

3. Samples will be destroyed after 30 Days from the date of issue of test report.

4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.