



# ME TESTING AND CALIBRATION LABORATORY PVT. LTD.

Doc. No.: METCLPL/FF/48

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## TEST REPORT

<b>Issued To:</b> M/s Lucky Construction, Vill.- Pala, Post- Barsu, Tehsil-Bhatwari, Uttarkashi (U.K.)	<b>Report No.:</b> METCLPL/DDN/09052025/11 <b>Sample Id:</b> 090525/11 <b>Date of Receipt:</b> 09/05/2025 <b>Date of performance of Testing:</b> 09-13/05/2025 <b>Date of Issue of Report:</b> 14/05/2025
<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> 25.0 <sup>0</sup> ±5 <sup>0</sup> C & NA <b>Addition to, Deviation or Exclusion from the Method:</b> NA	<b>Source:</b> Pindar River <b>Sampling Period:</b> 08/05/2025 (12:17 PM) <b>Test Performed at:</b> Lab
<b>C.B. No.:</b> 14/U-PREPARE/10(2)/BR/RFB-IR/UPREPARE/2024 <b>N.O.W.:</b> CONSTRUCTION OF 80M SAPN PEDESTRIAN BRIDGE AND ITS APPROACH ON PAITHANI GARKOT BRIDLE ROAD IN DISTRICT CHAMOLI, UTTARAKHAND.	

### Requirement as per IS: 10500-2012, IS – 2296 & IS-456

S. No.	Characteristics	Test -Value	Acceptable Limit	Permissible Limit in absence of Alternate Source	Method of Test
1	Colour, Hazen unit.	3	5 Max.	15 Max.	IS-3025(P-4)-2021
2	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5)-2018
3	pH Value	7.40	6.5 – 8.5	No Relaxation	IS-3025(P-11)-2006
4	Turbidity, NTU.	0.5	1 Max.	5	IS-3025(P-10)-2023
5	Total Hardness, (as CaCO <sub>3</sub> ), mg/l Max.	195	200	600	IS-3025(P-21)-2009
6	Chloride (as Cl), mg/l	46.0	250	1000	IS-3025(P-32)-1993
7	Total Dissolved Solids.mg/l	456	500	2000	IS-3025(P-16)-1984
8	Total Alkalinity,(CaCO <sub>3</sub> ), mg/l	86.0	200Max	600Max	IS: 3025(P-23)-1986
9	Ammonia (as Total Ammonia-N), mg/	BDL(DL-0.07)	0.5	No Relaxation	IS: 3025 (P-34)
10	Calcium (as Ca) , mg/l	63.5	75 Max.	200 Max.	IS: 3025(P-40)-1991 RA: 2019
11	Magnesium (as Mg), mg/l	25.80	30 Max.	100 Max.	IS: 3025(P-46)-2023
12	Fluoride (as f), mg/l	Nil	1.0	1.5	IS: 3025(P-60)-2008
13	Nitrate (as NO <sub>3</sub> ) mg/l	9.0	45	No Relaxation	IS: 3025(P-34)1988
14	Dissolved Phosphate (as P) mg/l	0.1	--	--	IS: 3025 (P-31) 1988
15	Phenolic Compound (asC <sub>6</sub> H <sub>5</sub> OH) , mg/l	BDL(DL-0.002)	0.001	0.002	IS: 3025(P-43/Sec-2)-2021
16	Sulphate (as SO <sub>3</sub> ) mg/l,	16.0	200	400	IS 3025 (Part 24/Sec-1) 2022
17	Iron (as Fe), mg/l	0.22	0.3	No Relaxation	IS-3025(P-53)-2012
18	Copper( as Cu), mg/l	BDL(DL-0.02)	0.05	1.5	IS: 3025(P-42)-2008
19	Manganese (as Mn), mg/l	<0.01	0.1	0.3	IS: 3025(P-59)-2023

Reviewed By

Authorized Signatory

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.

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## TEST REPORT

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S. No.	Characteristics	Test -Value	Acceptable Limit	Permissible Limit in absence of Alternate Source	Method of Test
20	Nitrate as $\text{NO}_3$ , mg/l	11.3	45 Max.	No Relaxation	IS: 3025(P-34/ Sec-1) 2023
21	Aluminum (as Al), mg/l	BDL(DL-0.010)	0.03	0.2 Max.	IS 3025 (Part-55)
22	Boron (as B), mg/l	BDL(DL-0.020)	0.5	1.0 Max.	IS 3025 (Part-57)
23	Barium as Ba, mg/l	BDL(DL-0.010)	0.7	No Relaxation	IS 15302
24	Molybdenum as Mo, mg/l	BDL(DL-0.001)	0.07	No Relaxation	IS 3025 (Part-2)
25	Zinc (as Zn)	BDL(DL-0.07)	5	15	IS: 3025(P-49) -1994
26	Total Arsenic (as As)	BDL(DL-0.01)	0.01	0.05	IS: 3025(P-37) -1988
27	Cadmium( as Cd)	BDL(DL-0.001)	0.003	No Relaxation	IS: 3025(P-41) -1992
28	Lead as Pb, mg/l	ND	0.01	No Relaxation	IS 3025 (P-47)-1994
29	Total Chromium (as Cr) mg/l	BDL(DL-0.001)	0.05	No Relaxation	IS: 3025(P-52)-2003
30	Mercury ( as Hg) (mg/l)	BDL(DL-0.01)	0.001	No Relaxation	IS: 3025(P-48)/Mercury analyser.
31	Cyanide (as CN), mg/l	BDL(DL-0.001)	0.05	No Relaxation	IS: 3025 (P-27)
32	Nickel (as Ni), mg/l	BDL(DL-0.001)	0.02	No Relaxation	IS 3025 (Part 54)
33	Selenium as Se, mg/l	BDL(DL-0.005)	0.01	No Relaxation	IS 3025 (Part-56)
34	Silver as Ag, mg/l	BDL(DL-0.001)	0.1	No Relaxation	Annx. J of IS 13428

### Bacteriological Test

S.No.	Characteristics	Test -Value	Acceptable Limit	Method of Test
1	Total Coliform Organisms (MPN)	Absent	Shall not be detectable in 100ml, sample	IS-1622-1981
2	E Coli	Absent	Shall not be detectable in 100ml, sample	IS-1622-1981

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

**2. Statement of Conformity & Decision Rule (In case of Borderline): NA**

**3. Opinion & Interpretations: NA**

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

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

Reviewed By

Mr. Ravi Rohilla (SPL/T.M)

Authorized Signatory

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