

METESTING AND CALIBRATION LABORATORY PVT. LTD.

Head Office: 103, 1st Floor, Plot No. C-1/2 Naniwala Bagh,
Commercial Complex, Azadpur, Delhi, India - 110033
Mobile: +91 7535000491, +91 9034341490 | Email: metclplddn@gmail.com

Lab.: Harbanswala, Telpur Chowk, Shimla Bypass Road,
Dehradun, Uttarakhand, India - 248171
Mobile: +91 7535000491, +91 7535000492 | Email: metclddn@gmail.com

Doc. No.: METCLPL/FF/48

TEST REPORT

Issued To: M/s Lucky Construction, Vill.- Pala, Post- Barsu, Tehsil-Bhatwari, Uttarkashi (U.K.)	Report No.: METCLPL/DDN/09052025/12 Sample Id: 090525/12 Date of Receipt: 09/05/2025 Date of performance of Testing: 09-13/05/2025 Date of Issue of Report: 14/05/2025
Description of Sample: Ground Water Sample Quantity: 2 ltr. Sample Condition: Receipt as OK Sample Plan & Sampling Method: N/A. Environment Condition (Temp. & Humidity): 25.0 ⁰ ±5 ⁰ C & N.A. Addition to, Deviation or Exclusion from the Method: NA	Source: Borewell Sampling Period: 08/05/2025 (1:02 PM) Test Performed at: Lab
C.B. No.: 14/U-PREPARE/10(2)/BR/RFB-IR/UPREPARE/2024 N.O.W.: CONSTRUCTION OF 80M SAPN PEDESTRIAN BRIDGE AND ITS APPROACH ON PAITHANI GARKOT BRIDLE ROAD IN DISTRICT CHAMOLI, UTTARAKHAND.	

Requirement as per IS: 10500-2012 RA:2018, IS - 2296 & IS-456

S.No.	Characteristics	Test -Value	Acceptable Limit	Permissible Limit in absence of Alternate Source	Method of Test	Conformity
1	Colour Hazen Unit	2	5 Max.	15 Max.	IS-3025(P-4)-2021	Yes
2	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5)-2018	Yes
3	Taste	Agreeable	Agreeable	Agreeable	IS-3025(P-7-8)-2017	Yes
4	Turbidity, NTU	0.4	1 Max.	5 Max.	IS-3025(P-10)-2023	Yes
5	pH Value	7.28	6.5 - 8.5	No Relaxation	IS-3025(P-11)-2022	Yes
6	Total Hardness (as CaCO ₃), mg/l	171	200 Max.	600 Max.	IS-3025(P-21)-2009 RA: 2019	Yes
7	Iron (as Fe), mg/l	0.19	0.3 Max.	No Relaxation	IS-3025(P-53)- 2003 RA: 2019	Yes
8	Chloride (as Cl), mg/l	31.10	250 Max.	1000 Max.	IS-3025(P-32)-1988 RA: 2019	Yes
9	Total Dissolved Solids, mg/l	372	500 Max.	2000 Max.	IS-3025(P-16)-2023	Yes
10	Sulphate (as SO ₄), mg/l	24.1	200 Max.	400 Max.	IS 3025 (P- 24) 1986 RA: 2019	Yes
11	Total Alkalinity (Caco ₃), mg/l	62.0	200 Max.	600 Max.	IS: 3025(P-23)-2023	Yes
12	Calcium (as Ca), mg/l	48.1	75 Max.	200 Max.	IS: 3025(P-40)-1991 RA: 2019	Yes
13	Magnesium (as Mg), mg/l	12.0	30 Max.	100 Max.	IS: 3025(P-46)-2023	Yes
14	Residual Free Chlorine.	Nil	0.2 Max.	1.0 Max.	IS: 3025(P-26)-2021	Yes
15	Fluoride as f, mg/l	0.20	1.0 Max.	1.5 Max.	IS: 3025(P-60)-2008 RA: 2019	Yes
16	Nitrate as No ₃ , mg/l	7.2	45 Max.	No Relaxation	IS: 3025(P-34/ Sec-1) 2023	Yes
17	Manganese, mg/l	<0.01	0.1 Max.	0.3 Max.	IS: 3025(P-59) 2023	Yes
18	Aluminum (as Al), mg/l	BDL(DL-0.03)	--	--	APHA-22 nd ED/2012	Yes

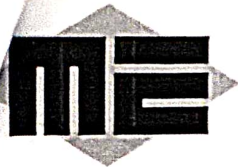
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NARESH CHAMOLI 1 | Page
Environment Expert
FPU PWD (U PREPARE)

Reviewed By

[Signature]
Mr. Rahul Rohilla (Q.M./T.M.)
Authorized Signatory

- 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



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TEST REPORT

Countd.....

Report No.: METCLPL/DDN/09052025/12

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S.No.	Characteristics	Test -Value	Acceptable Limit	Permissible Limit in absence of Alternate Source	Method of Test	Conformity
19	Anionic Detergents (MBAS)	BDL(DL-0.04)	0.2	1.0	APHA 22 nd Edition 5540C	Yes
20	Boron (mg/l)	BDL(DL-0.10)	0.5	1	IS: 3025(P-57) -2005	Yes
21	Copper(as Cu)	BDL(DL-0.02)	0.05	1.5	IS: 3025(P-42) -2003	Yes
22	Potassium as K, mg/l	13.1	--	--	IS-3025 Part 45:1993	Yes
23	Phenolic Compound (asC ₆ H ₅ OH) , mg/l	<0.001	0.001	0.002	IS: 3025(P-43)	Yes
24	Cyanide (as Cn)	BDL(DL-0.001)	0.05	No Relaxation	IS: 3025(P-45)-1993	Yes
25	Mineral Oil	BDL(DL-0.05)	0.5	No Relaxation	Clause 6 of IS:3025 (P-39)	Yes
26	Hexavalent Chromium (VI) mg/l	BDL(DL-0.004)	0.05	No Relaxation	IS: 3025(P-52)-2003	Yes
27	Selenium (as Se) (mg/l)	BDL(DL-0.04)	0.01	No Relaxation	IS: 3025(P-56)	Yes
28	Zinc (as Zn)	17	5	15	IS: 3025(P-49) -1994	Yes
29	Arsenic (as AS)	BDL(DL-0.01)	0.01	0.05	IS: 3025(P-37) -1988	Yes
30	Cadmium(as CD)	BDL(DL-0.001)	0.003	No Relaxation	IS: 3025(P-41) -1992	Yes
31	Mercury (as Hg) (mg/l)	BDL(DL-0.01)	0.001	No Relaxation	IS: 3025(P-48)/Mercury analyser.	Yes
32	Lead(pb)	BDL(DL-0.02)	0.01	No Relaxation	IS 3025 (P-47)	Yes
Bacteriological Tests						
S.No	Characteristics	Test Value	Acceptable Limit	Method of Test	Conformity	
33	Total Coliform Organisms	Absent	Shall not be detectable in 100 ml, sample	IS-1622-1981	Yes	
34	E.Coli	Absent	Absent	IS-1622-1981	Yes	

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, BDL stands for Below Detected limit & DL stands for Detection Limit.

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

[Signature]

NARESH CHAMOLI
Environment Expert
FPU PWD (U-PREPARE)
Dehradun

[Signature]



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