



# DEVBHOOMI TESTING LABORATORY DEHRADUN

NABL Accredited, Govt. Approved, MSME Registered, & ISO : 9001:2015 & 14001: 2015 Certified Laboratory

Neelkanth Enclave, Harbhajwala, Telpur Chowk, Shimla By Pass Road, Dehradun 248171

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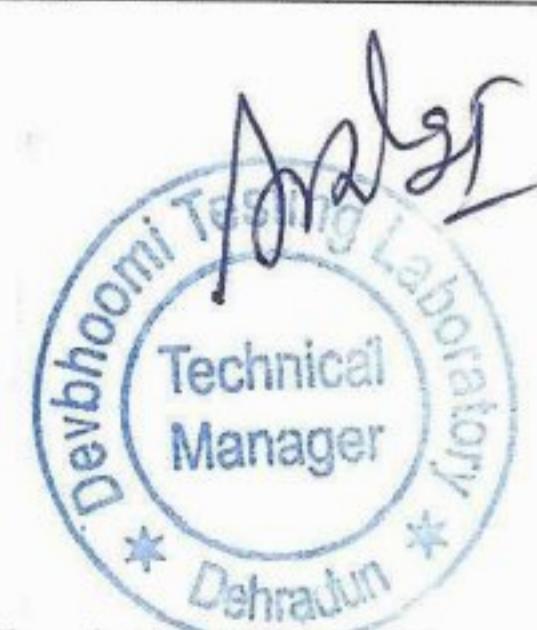
## TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0111/02
Sample Id: 01112024/01	Date of Report: 07/11/2024
Sample Quantity: As per requirement	Date of Sampling: 01/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 07/11/2024
Environment Condition (Temp. & Humidity): NA	
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W : "Construction of 4 No. of Intermediate lane RCC Bridge & Steel Truss in km 3, 7, 11 & 14 at Nandprayag Ghat Motor Road in Karnprayag Chamoli"	
Issued to:	Page 1 of 1
M/S D.S Construction I-7 Nehru colony' Dehradun 248001	

Sample: 01 Km-14

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.3	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H <sub>2</sub> SO <sub>4</sub> to neutralize 100ml of water sample using mixed indicator	6.1	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	74	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	102	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO <sub>3</sub> , mg/l.	21.6	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	23	500 mg /1 for RCC & 200mg/1 for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.92	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	159	2000	IS: 3025 (P-17) 2022

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



Checked & Issued by  
Authorised Signatory

- The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
- Total liability of our lab is limited to the invoiced amount.
- Sample not drawn by lab and sample will be destroyed after 30 days from the date of issue of test report.
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## TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0111/02
Sample Id: 01112024/02	Date of Report: 07/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 01/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 07/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W : "Construction of 4 No. of Intermediate lane RCC Bridge & Steel Truss in km 3, 7, 11 & 14 at Nandprayag Ghat Motor Road in Karnprayag Chamoli"	
Issued to: M/S D.S Construction I-7 Nehru colony' Dehradun 248001	

Sample: 02 Km-14

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.7	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H <sub>2</sub> SO <sub>4</sub> to neutralize 100ml of water sample using mixed indicator	5.0	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	80	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	108	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO <sub>3</sub> , mg/l.	16.0	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	25	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.76	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	162	2000	IS: 3025 (P-17) 2022

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



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## TEST REPORT

Description of Sample: Drinking Water	Report No.: DTL/DDN/2024/0111/03
Sample Id: 01112024/03	Date of Report: 07/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 01/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 02/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 07/11/2024
Environment Condition (Temp. & Humidity): NA	
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W : "Construction of 4 No. of Intermediate lane RCC Bridge & Steel Truss in km 3, 7, 11 & 14 at Nandprayag Ghat Motor Road in Karnprayag Chamoli"	
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Location: Km-14

### Requirement as per IS: 10500-2012 RA:2018

S. No.	Characteristics	Test-Value	Acceptable Limit	Permissible Limit in Absence of alternate source	Method of Test
1.	Colour, Hazen unit Max.	≤5	5	15	IS-3025(P-4)-1983 RA:2021
2.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5)-1983 RA:2018
3.	Turbidity, NTU. Max.	Nil	1	5	IS-3025(P-10)-1984 RA:2017
4.	pH Value	7.59	6.5-8.5	No Relaxation	IS-3025(P-11)-1983 RA:2022
5.	Total Hardness, (asCaCO <sub>3</sub> ), mg/l Max.	29	200	600	IS-3025(P-21)-2009 RA:2019
6.	Iron (as Fe), mg/l Max.	0.22	0.3	No Relaxation	IS-3025(P-53)-2012 RA:2019
7.	Chloride (as Cl), mg/l Max.	15	250	1000	IS-3025(P-32)-1988 RA:2019
8.	Total Dissolved Solid mg/L Max.	107	500	2000	IS-3025(P-16)-1984 RA:2017
9.	Bacteriological Test				IS:1622-1981 RA:2019
	a) E-Coil	ND		Shall not be detectable	
	b) Total coliform bacteria	ND			

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



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