



CIVIL TECH LABORATORY

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TEST REPORT

(This Report is not valid without a Hologram)

Format No.: CTL/F/7.8/01

Letter Ref. No.: CTR, Dated. 23/11/2024

Sample Description: Drinking Water

Issued To,

The Executive Engineer

Construction Division

PWD, Nainital (Uttarakhand)

Location of Performance of Test: At Site

Date of Performance of Test: 23/11/2024 to 27/11/2024

Addition to Deviation or Exclusion from the Method: NA

Name of Work: Construction of 120 mtr span double lane RCC prestress concrete bridge over Sher Nalain Km 82 of Ramnagar Kaladhungi Haldwani Kathgodam Chorgallia Sitarganj Bijti Motor Road in District Nainital.

Agreement No.: 08/U-PREPARE/13/BR/RFB/UGRIDP/2023 Dt.03.07.2024

Name of Agency. M/s Laxmidatt Binval, Near PWD office Lohaghat, Dist- Champavat, Uttarakhand.

Report Number: CTL/MECH/241123004

Date of Report: 27/11/2024

Job Order No.: 240730004

Sample Received On: 23/11/2024

Sample Quantity: 2 Ltr.

Sample Condition: Satisfactory

Environment Condition (Temp. & RH) : 25±5°C & NA



| S. No. | Test Parameter | Test Method | Test Result | Requirement as Per IS: 10500:2012 | |
|--------|--|---|--------------|-----------------------------------|--------------------|
| | | | | Acceptable Limits | Permissible Limits |
| 1 | Colour, Hazen units | IS 3025 (Part 4):2021 | <5 | 5 Max. | 15 Max. |
| 2 | Odour | IS 3025 (Part 5):2018 | Agreeable | Agreeable | Agreeable |
| 3 | Taste | IS 3025 (Part 7):2017 & IS 3025 (Part 8):1984 | Agreeable | Agreeable | Agreeable |
| 4 | Turbidity, NTU | IS 3025 (Part 10):1984 | <1 | 1 Max. | 1 Max. |
| 5 | pH | IS 3025 (Part 11):2022 | 7.28 | 6.5 -8.5 | No relaxation |
| 6 | Total Dissolved Solids (TDS), mg/l | IS 3025 (Part 16):2023 | 282.0 | 500 Max | 2000 Max |
| 7 | Total Hardness (as CaCO ₃), mg/l | IS 3025 (Part 21):2009 | 97.9 | 200 Max | 600 Max |
| 8 | Magnesium (as Mg), mg/l | IS 3025 (Part 46):1994 | 12.4 | 30 Max | 100 Max |
| 9 | Chloride (as Cl), mg/l | IS 3025 (Part 32):1988 | 26.0 | 250 Max | 1000 Max |
| 10 | Sulphate (as SO ₄), mg/l | IS 3025 (Part 24/Sec1):2022 | 20.8 | 200 Max | 400 Max |
| 11 | Calcium (as Ca), mg/l | IS 3025 (Part 40):1991 | 18.8 | 75 Max | 200 Max |
| 12 | Iron (Fe), mg/l | IS 3025 (Part 53): 2003 | 0.05 | 0.3 Max. | No relaxation |
| 13 | Free Residual Chlorine | IS: 3025 (P-26) - 2021 | Not Detected | 0.2 Max. | 1.0 Max. |

Reviewed By
Bhartendu Choudhary
Lab In Charge

*** End of Report

Auth. Sign.
Sujeet Kumar Sada
Quality Manager



(1) The results listed refer only to 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 testing unless otherwise specified. (4) This report is not be reproduced wholly or in part and can not 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. (5) Report refer to the sample submitted to us and not drawn by Civil Tech Laboratory unless Mentioned otherwise.

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