

Laboratory MD Engineering and Material Testing Laboratory, Plot No. A 10,
Parishram Park, Dhulia Cross Road, Bardoli, Distt.: Surat, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-8380

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Validity 07.03.2019 to 06.03.2021

Last Amended on --

"In view of the transition for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020"

| Sl. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-----|----------------------------|-------------------------|---|--|
|-----|----------------------------|-------------------------|---|--|

MECHANICAL TESTING

| I. | BUILDING MATERIALS | | | |
|----|--------------------|----------------------|------------------|--|
| 1. | Burnt Clay Bricks | Water Absorption | IS 3495 (Part 2) | 5 % to 40 % |
| | | Efflorescence | IS 3495 (Part 3) | Qualitative |
| | | Dimension | IS 12894 | L : 4600 ± 80 mm W : 2200 ± 40 mm H : 1400 ± 40 mm |
| | | Compressive Strength | IS 3495 (Part 1) | Upto 20 N/mm ² |
| 2. | Concrete Cube | Compressive Strength | IS 516 | 1 MPa to 70 MPa |
| 3. | Cement (OPC/ PPC) | Consistency | IS 4031 (Part 4) | 25 % to 35 % |
| | | Initial Setting Time | IS 4031 (Part 5) | 30 minutes to 300 minutes |
| | | Final Setting Time | IS 4031 (Part 5) | 30 minutes to 600 minutes |
| | | Compressive Strength | IS 4031 (Part 6) | 1 N/mm ² to 80 N/mm ² |
| 4 | Coarse Aggregate | Sieve analysis | IS 2386 (Part 2) | 2.36 mm to 63 mm |
| | | Water Absorption | IS 2386 (Part 3) | 0.5 % to 5 % |
| | | Flakiness Index | IS 2386 (Part 1) | 5 % to 50 % |
| | | Elongation Index | IS 2386 (Part 1) | 5 % to 50 % |
| | | Specific gravity | IS 2386 (Part 3) | 1.05 to 4.00 |
| | | Impact Value | IS 2386 (Part 4) | 5 % to 35 % |
| 5 | Fine Aggregate | Sieve analysis | IS 2386 (Part 1) | 75 µm to 4.75 mm |

Deepak Kumar Sharma
Convenor

Anuja Anand
Program Manager