

GOVERNMENT OF GOA
OFFICE OF THE ASSISTANT ENGINEER
SUB DIVISION III (SOUTH),
QUALITY CONTROL LABORATORY,
WATER RESOURCES DEPARTMENT,
GOGAL, MARGAO- GOA.

PLEASE FIND THE TEST RESULTS OF CEMENT AS DETAILED BELOW:

Name of work:-Improvement of nallah near Bom Jesus Chapel at Dandi in V.P. Agassaim in St. Andre Constituency Goa.

Type of Cement: Ordinary Portland cement **Brand / Grade:** Ramco/43 grade

Source of receipt: Assistant Engineer, SD IV, WD I, WRD, Porvorim- Goa.

Ref. Letter No: MI/SD IV/WD I/WRD/F.38/2020-21/447. **Dated:** 14-12-2020.

Qty. Represented:

L.S. No: 75/20

Physical Properties

| Sr. No | Description | Test results | Requirements as per I.S. |
|--------|--|--------------------------|---------------------------------------|
| 1 | Fineness. (% retained on 9 micron sieve) | 4% | Not more than 10% |
| 2 | Setting Time in (Minutes) | | |
| | i) Initial | 178minutes | Not less than 30 Min |
| | ii) Final. | 272minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² | | |
| | i) 72 hrs. ±1 hrs. | 383.33Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. ±2hrs | 456.66Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. ±4 hrs | 596.66Kg/cm ² | Not less than 430.0Kg/cm ² |
| 4 | Consistency of cement. | 29% | |

To,
The Asst. Engineer.SD IV, WD I, WRD,porvorim- Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.
3. Office file.

Junior Engineer

Assistant Engineer.