

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

PLEASE FIND THE TEST RESULTS OF CEMENT AS DETAILED BELOW:

Name of work:- Construction of Retaining wall in Sy.No. 146/8 in Verna Village Panchayat in Verna Village in Nuvem Constituency.

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

Source of receipt: Assistant Engineer, SD I, WD II, WRD, Rawanfona-Goa.

Ref. Letter No: WRD/SD I/ WD II/ F.Esst/718/2020-21. **Dated:** 22-12-2020.

Qty. Represented:

L.S. No: 116/2020

Physical Properties

| Sr. No | Description | Test results | Requirements as per I.S. |
|---------------|--|---------------------------|---------------------------------------|
| 1 | Fineness. (% retained on 9 micron sieve) | 3 % | Not more than 10% |
| 2 | Setting Time in (Minutes) | | |
| | i) Initial | 178 minutes | Not less than 30 Min |
| | ii) Final. | 292 minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² | | |
| | i) 72 hrs. \pm 1 hrs. | 366.33 Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. \pm 2hrs | 496.66 Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. \pm 4 hrs | 563.33Kg/cm ² | Not less than 430.0Kg/cm ² |
| 4 | Consistency of cement. | 28 % | |

To,
The Asst. Engineer.SD I, WD II, WRD, Rawanfona - Goa.
C.W.C. Submitted to:
1. The Exe. Eng. W.D.XI, WRD, Rawanfona – Goa.
2. Office file.

Junior Engineer

Assistant Engineer.