

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:-Protection wall in Sy.No. 96/4 & 96/5 in Village Dramapur
in Velim Constituency.

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

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

Ref. Letter No: WRD/ SD I/WD II/F. Estt/682/ 2021-22. **Dated:** 07-01-2022.

Qty. Represented:

L.S. No: F.96/04/2021.

Physical Properties

| Sr. No | Description | Test results | Requirements as per I.S. |
|--------|---|---------------------------|---------------------------------------|
| 1 | Fineness. (% retained on 90 micron sieve) | 3 % | Not more than 10% |
| 2 | Setting Time in (Minutes) xlv) Initial | 178 minutes | Not less than 30 Min |
| | xlvi) Final. | 292 minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs. | 366.66 Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. ±2hrs | 446.66 Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. ±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, Rawanfond - Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.
3. Office file.

Junior Engineer

Assistant Engineer.