

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:-Construction of protection wall to nallah Shri. Ashok Bhivshet
bar to Khindir Manus at Varchwada in Village Morjim, Pernem Goa.

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

Source of receipt: Assistant Engineer, Sub Div. III, WD I, WRD, Pernem- Goa

Ref. Letter No: MI/SD III/WD I/WRD/F.58/2021-22/421. **Dated:** 15-03-2022.

Qty. Represented:

L.S. No: F.108/04/2021

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) iii) Initial | 188minutes | Not less than 30 Min |
| | iv) Final. | 292minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs. | 386.66Kg/cm ² | Not less than230.0Kg/cm ² |
| | ii) 168 hrs. ±2 hrs | 463.33 Kg/cm ² | Not less than330.0Kg/cm ² |
| | iii) 672 hrs. ±4 hrs | 566.66 Kg/cm ² | Not less than430.0Kg/cm ² |
| 4 | Consistency of cement. | 28 % | |

To,
Assistant Engineer, Sub Div III, WD. I,WRD, Pernem- Goa
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.
3. Office file.

Junior Engineer

Assistant Engineer