

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 the nallah in Sy.No. 93/2 situated at Shirshirem in V.P. Borim of Shiroda Constituency.

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

Source of receipt: Assistant Engineer, SD IV, WD XI, WRD, Ponda- Goa.

Ref. Letter No: WRD/WD XI/SD IV/F.460 81//2022-23. **Dated:** 16-05-2022

Qty. Represented:

L.S. No: F.144/10/2021.

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 | 160 minutes | Not less than 30 Min |
| | ii) Final. | 288 minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² | | |
| | i) 72 hrs. ±1 hrs. | 396.66 Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. ±2hrs | 456.66 Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. ±4 hrs | 546.66 Kg/cm ² | Not less than 430.0Kg/cm ² |
| 4 | Consistency of cement. | 28 % | |

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

Junior Engineer

Assistant Engineer