

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 flood protection wall in sy. No. 8/5, 6 & 7 village Collem in Dharbandora Taluka of Savordem.

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

**Source of receipt:** Assistant Engineer, SD III, WD XII, WRD, Dharbandora - Goa.

**Ref. Letter No:** WRD/ WD XII/SD III/WF.9/22-23/160. **Dated:** 28-11-2022.

**Qty. Represented:**

**L.S. No: F.20/05/2022.**

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)<br>xxxiii) Initial                  | 182minutes    | Not less than 30 Min      |
|        | xxxiv) Final.   | 294minutes    | Not more than 600 Min.    |
| 3      | Minimum Com Strength Kg/Cm <sup>2</sup><br>i) 72 hrs. ±1 hrs. | 333.33Kg/cm2  | Not less than 230.0Kg/cm2 |
|        | ii) 168 hrs. ±2hrs  | 426.66 Kg/cm2 | Not less than 330.0Kg/cm2 |
|        | iii) 672 hrs. ±4 hrs  | 513.33 Kg/cm2 | Not less than 430.0Kg/cm2 |
| 4      | Consistency of cement.  | 28 %          |                           |

To,

The Asst. Engineer.SD III, WD XII, WRD, Dharbandora- Goa.

C.W.C. Submitted to:

2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.
3. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim - Goa.
4. Office file.

**Junior Engineer**

**Assistant Engineer**