

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:-** Improvement to drain and canal at Vizar V.P. Panchawadi in Shiroda Constituency Taluka Ponda.

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

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

**Ref. Letter No:** WRD/ WD XI/SD IV/WF.485/682/A/2024-25.   **Dated:** 17-03-2025

**Qty. Represented:**

**L.S. No:   F. 109/10/2024.**

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) xlvii) Initial                          | 196 minutes   | Not less than 30 Min      |
|        | xlvi) Final.                                                      | 392 minutes   | Not more than 600 Min.    |
| 3      | Minimum Com Strength Kg/Cm <sup>2</sup><br>i)     72 hrs. ±1 hrs. | 280.00Kg/cm2  | Not less than 230.0Kg/cm2 |
|        | ii)  168 hrs. ±2hrs                                               | 343.33 Kg/cm2 | Not less than 330.0Kg/cm2 |
|        | iii)  672 hrs. ±4 hrs                                             | 596.66 Kg/cm2 | Not less than 430.0Kg/cm2 |
| 4      | Consistency of cement.                                            | 28%           | ---                       |

To,  
The Asst. Engineer. SD IV, WD XI, WRD, Ponda - Goa.  
C.W.C. Submitted to:  
1. The Exe. Eng. W.D. XI, WRD, Rawanfond– Goa.  
2. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim – Goa.  
3. Office file.

Junior Engineer

Assistant Engineer