

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 Dhada Talli 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/WDXI/SDIV/F.CF/549/2025-26.   **Dated:** 20-11-2025.

**Qty. Represented:**

**L.S. No:   F. 63/05/2025.**

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>iii)    Initial                     | 176minutes   | Not less than 30 Min      |
|        | iv)    Final.                                                    | 280minutes   | Not more than 600 Min.    |
| 3      | Minimum Com Strength Kg/Cm <sup>2</sup><br>i)    72 hrs. ±1 hrs. | 376.66Kg/cm2 | Not less than 230.0Kg/cm2 |
|        | ii)   168 hrs. ±2hrs                                             | 486.66Kg/cm2 | Not less than 330.0Kg/cm2 |
|        | iii)   672 hrs. ±4 hrs                                           | 580.00Kg/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:  
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**