

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:-** Providing flood control measures to the Bhanute Adulshe  
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/ SDIV/ WF.533/381/2024-25. **Dated:** 22-10-2024

**Qty. Represented:**

**L.S. No:** F. 12/10/2024.

**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) xv) Initial	160 minutes	Not less than 30 Min
	xvi) Final.	288 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	366.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	446.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	566.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	--

To,  
Assistant Engineer, SD IV, WD I, 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**