

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:-** Annual maintenance and repairs to the water courses Nos. 1 to 7 of Minor M1 canal of main canal of SIP for the year 2024-25.

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

**Source of receipt:** Assistant Engineer, SD I, WD X, WRD, Quepem - Goa.

**Ref. Letter No:** WRD/ WD X/ SD I/ F. 55A/184/2024-25. **Dated:** 05-12-2024

**Qty. Represented:**

**L.S. No: F. 42/04/2024.**

**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)		
	xi) Initial	184minutes	Not less than 30 Min
	xii) Final.	286minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	326.66Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	433.33Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	506.66Kg /cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28%	

To,  
The Asst. Engineer.SD I, WD X, WRD, Quepem- 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**