

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 & Development of nallah/ waterways at Kamral in Curchorem Constituency. (2<sup>nd</sup> Call).

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

**Source of receipt:** Assistant Engineer, SD V, WD XII, WRD, Quepem - Goa.

**Ref. Letter No:** WRD/SD V/WD XII/F.70/206/2023-24. **Dated:** 20-10-2023.  
**Qty. Represented:**

**L.S. No:** F.03/06/2023.

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

To,  
Assistant Engineer, SD V, WD XII, 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**