

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 cleaning of Xeldem branch of Distributory D1 of SIP from Ch.0.00 kms to Ch.3.20 kms and repair works of water courses and field channels for the year 2022-23.

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

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

**Ref. Letter No:** WRD/WD XIV/SD I/W.F. /2022-23/134. **Dated:** 27-10-2022

**Qty. Represented:**

**L.S. No: F.23/05/2022.**

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) xxix) Initial	182minutes	Not less than 30 Min
	xxx) Final.	294minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	313.33Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	420.00 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	533.33 Kg/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 XIV, WRD, Quepem- Goa.  
C.W.C. Submitted to:  
2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer**