

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 works of Sanvordem branch of distributory D1 from Ch.0.00 kms to Ch.2.40 kms and annual cleaning of water course 1R, 2R, 3R and 3R (A) and its field channels of Sanvordem branch for the year 2022-23.

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

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

**Ref. Letter No:** WRD/WD XIV/SD I/W.F. /2022-23/123. **Dated:** 25-10-2022

**Qty. Represented:**

**L.S. No: F.04/04/2022.**

**Physical Properties**

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 90 micron sieve)	3%	Not more than 10%
2	Setting Time in (Minutes) lix) Initial	188 minutes	Not less than 30 Min
	lx) Final.	284minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	380.00Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	483.33Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	586.66 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, Rawanfod- Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer**