

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 Xeldem branch of Distributory D1, of main canal of SIP from Ch.0.00 to 3.20 kms for the year 2021-22.

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

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

Ref. Letter No: WRD/WD XIV/SD I/W.F. /2022-23/143. **Dated:** 14-11-2022

Qty. Represented: To be tested for PCC canal lining 1:2:4

L.S. No: F.17/04/2022.

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) xli) Initial	186 minutes	Not less than 30 Min
	xlii) Final.	294 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	390.00Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	493.33Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	576.66 Kg/cm ²	Not less than 430.0Kg/cm ²
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