

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:- Urgent repairs and providing and laying RCC lining to canal section at cross drainage portion at Ch. 500m, 800 m, 1400, 1700m, 1900m and 2200m of Sanvordem branch of distributary D1 canal in Xeldem Village of Quepem Taluka.

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

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

Ref. Letter No: WRD/WD XIV/SD I/W.F.1/2023-24/104. **Dated:** 24-11-2023.

Qty. Represented:

L.S. No: F.20/04/2023

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 9 micron sieve)	3%	Not more than 10%
2	Setting Time in (Minutes) xiii) Initial	188 minutes	Not less than 30 Min
	xiv) Final.	284minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	380.00Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	483.33Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	586.66 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:

1. The Exe. Eng. W.D. XI, WRD, Rawanfod- Goa.
2. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim – Goa.
3. Office file.

Junior Engineer

Assistant Engineer