

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 to the cross Drainage (CD) of SIP main canal at Ch. 11.00 kms in Quepem Taluka.

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

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

Ref. Letter No: WRD/SD IV/WD XIV/F.18/83/2023-24. **Dated:** 01-12-2023.

Qty. Represented:

L.S. No: F.26/04/2023

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) xxi) Initial	178minutes	Not less than 30 Min
	xxii) Final.	272minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	383.33Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	456.66Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	596.66Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	29%	

To,

The Asst. Engineer.SD IV, WD XIV, 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