

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 and repairs to Irrigation tank in Sy.No. 95/1 at Bagwada Manmollem in V.P. Betqui Candola in Priol Constituency.

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

Source of receipt: Assistant Engineer, SD IV, WD XI, WRD, Ponda- Goa.

Ref. Letter No: WRD/WD XI/SD IV/W.F.CF/288/2022-23. **Dated:** 27-09-2022

Qty. Represented:

L.S. No: F.151/04/2021.

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) xxxiii) Initial	188 minutes	Not less than 30 Min
	xxxiv) Final.	289minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	310.00Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	373.33Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	463.33Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28%	

To,
The Asst. Engineer.SD IV, WD XI, WRD, Ponda- Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfnd- Goa.
3. Office file.

Junior Engineer

Assistant Engineer