

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 to the lining of distributory D1 canal drainage works at Ch.2.460 km, Ch.2.895 km, Ch.3.410 km & Ch. 3.600 km in Xeldem/ Gaomol and Assolda Village of Quepem Taluka.

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

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

Ref. Letter No: WRD/WD XIV/SD I/W.F. /2022-23/137. **Dated:** 27-10-2022

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

L.S. No: F.07/07/2022.

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)		
	li) Initial	178 minutes	Not less than 30 Min
	lii) Final.	272 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	386.66Kg/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 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

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Ref. Letter No: WRD/WD XIV/SD I/W.F. /2022-23/137. **Dated:** 27-10-2022

Qty. Represented: To be tested for RCC canal lining 1:1:1/2:3

L.S. No: F.07/07/2022.

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) lii) Initial	178 minutes	Not less than 30 Min
	liv) Final.	272 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	386.66Kg/cm ²	Not less than 230.0Kg/cm ²
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