

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:- Providing RCC canal lining to minor M1 canal between Ch.1.500 km to 2.400 km in Cacora Village of Quepem Taluka.

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

Source of receipt: Assistant Eng.,Sub Div. I,WD X,WRD,Quepem Goa

Ref. Letter No: WRD/WD X/SD I/W.F.1/208/2022-23. **Dated:** 08-02-2023.

Qty. Represented:

L.S. No: F. 43/04/2022.

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)		
	i) Initial	186 minutes	Not less than 30 Min
	ii) Final.	294 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	393.33Kg/cm ²	Not less than230.0Kg/cm ²
	ii) 168 hrs. ±2 hrs	490.00Kg/cm ²	Not less than330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	566.66 Kg/cm ²	Not less than430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,
Assistant Engineer, Sub Div I, WD. X,WRD, Quepem- Goa
C.W.C. Submitted to:

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

Junior Engineer

Assistant Engineer