

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:-** Construction of culvert across D2 Distribution canal of Salaulim Irrigation project in Survey No.168/1 in Village Sao Jose De Areal of Salcete Taluka (2<sup>nd</sup> Call).

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

**Source of receipt:** Assistant Engineer, SD II,WD XII,WRD, Gogol- Margao - Goa.

**Ref. Letter No:** WRD/WD XII/SD II/F.61/251/2022-23. **Dated:** 01-11-2022

**Qty. Represented:**

**L.S. No:** F.11/04/2022.

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) xxxix) Initial	160 minutes	Not less than 30 Min
	xl) Final.	288 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	366.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	446.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	566.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,  
The Asst. Engineer.SD II, WD XII, WRD, Gogol- Margao- Goa.  
C.W.C. Submitted to:  
2. The Exe. Eng. W.D. XI, WRD, Rawanfond– Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer**