

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:-**Stabilization of right bank of river Chimtewal at Kajumol in V.P. Mollem in Sanvordem Constituency in Dharbandora Taluka.

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

**Source of receipt:** Assistant Engineer, SD III, WD XII, WRD, Sanguem- Goa.

**Ref. Letter No:**WRD/ WD XII/ SD III/ F.01/ 90/ 2020-21. **Dated:**05-10-2020

**Qty. Represented:**

**L.S. No: 17/20**

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	192 minutes	Not less than 30 Min
	ii) Final.	286 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	396.66 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	553.33 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,

The Asst. Engineer.SD III, WD XII, WRD, Sanguem- Goa.

C.W.C. Submitted to:

2. The Exe. Eng. W.D. XII, WRD, Gogol- Margao– Goa.
3. Office file.