

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 Lift Irrigation Scheme for pumping of water from SIP main canal (at Ch. 7km) to delivery tank Ambetembo for distribution of water to NagvemMolkarnemZanodem Village QuepemTaluka for Irrigation purpose.

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

**Source of receipt:** Assistant Engineer, SD I, WDXII, WRD, Pajimol- Sanguem-Goa.

**Ref. Letter No:**WRD /SD I/WD XII /F.47 /429/ 2020-21**Dated:**29-01-2021

**Qty. Represented:**

**L.S. No: 153/2021**

**Physical Properties**

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 90 micron sieve)	3 %	Not more than 10%
2	Setting Time in (Minutes)		
	i) Initial	182minutes	Not less than 30 Min
	ii) Final.	274minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	373.33Kg/cm <sup>2</sup>	Not less than230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	423.33Kg/cm <sup>2</sup>	Not less than330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	516.66/cm <sup>2</sup>	Not less than430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,

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

C.W.C. Submitted to:

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

**Junior Engineer**

**Assistant Engineer.**