

GOVERNMENT OF GOA  
OFFICE OF THE ASSISTANT ENGINEER  
SUB DIVISION III, WORKS DIVISION XI  
QUALITY CONTROL LABORATORY,(SOUTH),  
WATER RESOURCES DEPARTMENT,  
GOGAL, MARGAO- GOA.

**PLEASE FIND THE TEST RESULTS OF CEMENT AS DETAILED BELOW:**

**Name of work:-** Construction of protection wall in Sy.No. 12/0 and 13/0 at Loyolawado, Urtoda in Nuvem Constituency.

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

**Source of receipt:** Assistant Engineer, SD I, WD II, WRD, Rawanfona-Goa.

**Ref. Letter No:** WRD/SD I/ WD II/ F.Esst/848/2020-21. **Dated:** 22-02-2021.

**Qty. Represented:**

**L.S. No: 202/2021**

**Physical Properties**

<b>Sr. No</b>	<b>Description</b>	<b>Test results</b>	<b>Requirements as per I.S.</b>
1	Fineness. (% retained on 9 micron sieve)	4 %	Not more than 10%
2	Setting Time in (Minutes)		
	i) Initial	196 minutes	Not less than 30 Min
	ii) Final.	290 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. $\pm$ 1 hrs.	333.33 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. $\pm$ 2hrs	426.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. $\pm$ 4 hrs	576.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28%	

To,  
The Asst. Engineer.SD I, WD II, WRD, Rawanfona - Goa.  
C.W.C. Submitted to:  
1. The Exe. Eng. W.D.XI, WRD, Rawanfona – Goa.  
2. Office file.

**Junior Engineer**

**Assistant Engineer.**