

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 Protection wall for the nallah in Sy.No. 223 & 225 at Carvota, Loutulim in V.P. Nuvem Constituency.

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

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

**Ref. Letter No:** WRD/SD I/WD II/F.Esst/719/2020-21. **Dated:**22-12-2020  
**Qty. Represented:**

**L.S. No: 112/2021**

**Physical Properties**

Sr. No	Description	Test results	Requirements as per I.S.
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. ±1 hrs.	333.33 Kg/cm2	Not less than230.0Kg/cm2
	ii) 168 hrs. ±2hrs	426.66 Kg/cm2	Not less than330.0Kg/cm2
	iii) 672 hrs. ±4 hrs	576.66 Kg/cm2	Not less than430.0Kg/cm2
4	Consistency of cement.	28%	

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

**Junior Engineer**

**Assistant Engineer.**