

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:-** Improvement of nallah from Sy.No.178, 180 & 181 in V.P. Verna in Nuvem Constituency.

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

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

**Ref. Letter No.** WRD/SD I/ WD II/ F.Estt/799/2021-22. **Dated:** 11-03-2022.

**Qty. Represented:**

**L.S. No:** F.106/04/2021

**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) xlvi) Initial	178 minutes	Not less than 30 Min
	xlvi) Final.	292 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	563.33Kg/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, Rawanfond - Goa.  
C.W.C. Submitted to:  
2. The Exe. Eng. W.D. II, WRD, Rawanfond- Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer.**