

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 Retaining wall on river side near Pedro Santano house in Sy.No. 222/1 & Sy.No. 223/1 at Matol in Ward No. VIII in V.P. Verna of Nuvem Constituency.(2<sup>nd</sup> call).

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

**Source of receipt:** Assistant Engineer, Sub Div. I, WD II, WRD, Rawanfnd- Goa

**Ref. Letter No:** WRD/SD I/ WD II/F.Esst/444/2022-23. **Dated:** 19-10-2022.

**Qty. Represented:**

**L.S. No: F. 03/04/2022.**

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	188minutes	Not less than 30 Min
	ii) Final.	292minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	366.66Kg/cm <sup>2</sup>	Not less than230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2 hrs	466.33 Kg/cm <sup>2</sup>	Not less than330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	586.66 Kg/cm <sup>2</sup>	Not less than430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,  
Assistant Engineer, Sub Div I, WD. II,WRD, Rawanfnd- Goa

C.W.C. Submitted to:  
2. The Exe. Eng. W.D. XI, WRD, Rawanfnd- Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer**