

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 to the pond and nallah and Construction o of Retaining wall in Sy.No. 84/6 B, 84/6A and 111/7 (3<sup>rd</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.Estt/560/2021-22. **Dated:** 19-11-2021.

**Qty. Represented:**

**L.S. No: F. 17/04/2021**

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	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.	386.66 Kg/cm <sup>2</sup>	Not less than230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2 hrs	466.66 Kg/cm <sup>2</sup>	Not less than330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	563.33 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. II, WRD, Rawanfnd- Goa.  
3. Office file.

**Junior Engineer**

**Assistant Engineer**