

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:-Protection wall for nallah in Sy. No. 318, 322 and Pond in Sy. No. 63 in Village Velim in Velim Constituency.

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

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

Ref. Letter No: WRD/SD I/ WD II/ F.Esst/820/ 2020-21.**Dated:** 10-02-2021.

Qty. Represented:

L.S. No: 326/20

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 9 micron sieve)	3 %	Not more than 10%
2	Setting Time in (Minutes) xxvii) Initial	178 minutes	Not less than 30 Min
	xxviii) Final.	292 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	366.66 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	456.66 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	566.66Kg/cm ²	Not less than 430.0Kg/cm ²
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.