

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:- Improvement to the pond in Sy.No 177/3 (grand Pulvaddo)
and Construction of Retaining wall in Sy.No. 184/5-A in
Benaulim Village in Benaulim Constituency.

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

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

Ref. Letter No: WRD/SD I/ WD II/F.Estt/415/2021-22. **Dated:** 16-11-2021.

Qty. Represented:

L.S. No: F.43/04/2021

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	xv) Initial	178 minutes	Not less than 30 Min
	xvi) Final.	292 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. \pm 1 hrs.	366.66 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. \pm 2hrs	446.66 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. \pm 4 hrs	563.33Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

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

Junior Engineer

Assistant Engineer.