

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:- Desilting and Improvement of existing drain at Azadnagar
Margao- Goa.

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

Source of receipt: Assistant Engineer, SD III, WD III, WRD, Gogol- Margao Goa.

Ref. Letter No: No.289/SD III/WD III/WRD/2021-22/306. **Dated:** 09-11-2021.

Qty. Represented:

L.S. No: F.21/04/2021.

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 90 micron sieve)	4%	Not more than 10%
2	vii) Initial	178minutes	Not less than 30 Min
	viii) Final.	272minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	363.33Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2 hrs	433.33Kg/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.	29%	

To,
The Asst. Engineer.SD III, WD III, WRD, Gogol- Margao- Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfond- Goa.
3. Office file.

Junior Engineer

Assistant Engineer.