

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 and covering of nallah with RCC slab at various locations in and around Aquem / Malbhat in Margao Constituency.

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

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

**Ref. Letter No:** No. 266/SD III/WD III/WRD/2020-21/422. **Dated:** 12-03-2021.

**Qty. Represented:**

**L.S. No:** 303/2021

**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	Setting Time in (Minutes)		
	i) Initial	168minutes	Not less than 30 Min
	ii) Final.	288minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	376.66Kg/cm <sup>2</sup>	Not less than230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	456.66Kg/cm <sup>2</sup>	Not less than330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	593.33Kg/cm <sup>2</sup>	Not less than430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28%	

To,

The Asst. Engineer, SD III, WD III, WRD, Gogol- Margao- Goa.

C.W.C. Submitted to:

2. The Exe. Eng. W.D. III, WRD, Ponda- Goa.
3. Office file.

**Junior Engineer**

**Assistant Engineer.**