

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:-**Construction of Retaining wall to protect the flood affected nallah bank of Aadinalla at Poinguinim in Canacona Taluka.

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

**Source of receipt:** Assistant Engineer, SD I, WD XI, WRD, Canacona- Goa.

**Ref. Letter No:** WRD/ WD XI/SD I/ F.175/143/ 2020-21. **Dated:** 13-11-2020

**Qty. Represented:**

**L.S. No:** 39/20

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 9 micron sieve)	2%	Not more than 10%
2	Setting Time in (Minutes) ix) Initial	178 minutes	Not less than 30 Min
	x) Final.	284 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	360.00Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	440.00Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	540.00Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28%	

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

**Junior Engineer**

**Assistant Engineer.**