

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:-** Providing protective measures to the eroded nallah bank in Sy.No. 167/2 and 167/3 of Pedem in V.P. Loliem – Polem in Canacona Taluka.

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

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

**Ref. Letter No:** WRD/WD XI/SD I/F.194/276/2023-24 **Dated:** 09-11-2023

**Qty. Represented:**

**L.S. No:** F.10/05/2023.

**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) cli) Initial	178 minutes	Not less than 30 Min
	clii) Final.	292 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	386.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	446.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	563.33Kg/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:

1. The Exe. Eng. W.D.XI, WRD, Rawanfond – Goa.
2. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim – Goa.
3. Office file.

**Junior Engineer**

**Assistant Engineer**