

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:-** Improvement and Development to the Swami Bandhara at Pallolem  
in ward No. X in Cancona Muncipal Council

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

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

**Ref. Letter No:** WRD/SD II/ WD XI/F.8/23/2023-24. **Dated:** 04-05-2023

**Qty. Represented:**

**L.S. No: F.87/04/2022**

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)		
	iii) Initial	188 minutes	Not less than 30 Min
	iv) Final.	284minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	366.66Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	496.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	583.33 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28%	

To,

The Asst. Engineer.SD II, WD XI, WRD, Canacona- Goa.

C.W.C. Submitted to:

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

**Junior Engineer**

**Assistant Engineer**