

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 of nallah bank LHS side at Portem in Sy.No. 45 plot
No.A-148 V.P. Vaddem Curdi in Sanguem Taluka.

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

Source of receipt: Assistant Engineer, SD I, WD XII, WRD, Pajimol- Sanguem- Goa.

Ref. Letter No: WRD/SD I/WD XII/F.47/481/2023-24 **Dated:** 22-03-2024

Qty. Represented:

L.S. No: F.149/05/2023.

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 9 micron sieve)	4 %	Not more than 10%
2	Setting Time in (Minutes) ccxxxv) Initial	176 minutes	Not less than 30 Min
	ccxxxvi) Final.	292minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	366.66 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	483.33 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	576.66 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	--

To,

Assistant Engineer, SD I, WD XII, WRD, Pajimol- Sanguem-Goa.

C.W.C. Submitted to:

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

Junior Engineer

Assistant Engineer