

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 flood protection wall to nallah sides in Sy.No.117/0 at Nirankal in Village Galwada Nirankar in Shiroda Constituency.

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

Source of receipt: Assistant Engineer, SD IV, WD XI, WRD, Ponda- Margao - Goa.

Ref. Letter No: WRD/WDXI/SDIV/WF.445/513/2022-23 **Dated:** 31-01-2023.

Qty. Represented:

L.S. No: F.38/10/2022.

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) xlv) Initial	160 minutes	Not less than 30 Min
	xlvi) Final.	288 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	383.33 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	456.66 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	546.66 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,
Assistant Engineer, SD IV, WD XI, WRD, Ponda- Margao - 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