

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 waterways of nallah U/s and D/s of Nacazana lake on both sides of railway tracks near Chandor railway station and Construction of sluice gate in Village Girdolim and Chandor of Salcete Taluka.

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

Source of receipt: Assistant Engineer, SD III, WD II, WRD, Fatorda - Goa.

Ref. Letter No: WRD/SD III/ WD II/.F.77/213/24-25. **Dated:** 03-01-2025

Qty. Represented:

L.S. No: F. 63/05/2024.

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) cxlv) Initial	182minutes	Not less than 30 Min
	cxlvi) Final.	294minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	313.33Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	420.00 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	533.33 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,
The Asst. Engineer. SD III, WD II, WRD, Fatorda- 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