

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 protection wall to the side bank of the Verna lake in Sy.No. 131-5A & Sy.No. 131-6 in Village Verna in Nuvem Constituency of Salcete Taluka.

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

Source of receipt: Assistant Engineer, SD I, WD II, WRD, Rawanfond - Goa.

Ref. Letter No: WRD/ SD I/WD II/F. Estt/838/2023-24. **Dated:** 28-03-2024.

Qty. Represented:

L.S. No: F. 154/10/2022.

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 90 micron sieve)	3%	Not more than 10%
2	Setting Time in (Minutes) xxxiii) Initial	182minutes	Not less than 30 Min
	xxxiv) Final.	274minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	376.66Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	484.44Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	533.33Kg /cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28%	--

To,
Assistant Engineer, SD I, WD II, WRD, Rawanfond - 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