

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 to various nallah at Gaumwaddo (A) from Fr. Agnelo's house (B) approaching from hillside/mainroad at Mr.Franco Mascarenhas(C) near Mr. Shaba Parab house and others at V.P. Anjuna in Siolim Constituency.

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

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

Ref. Letter No: S.D II/W.D. I/WRD/F.24/23-24/693. **Dated:** 20-03-2024.

Qty. Represented:

L.S. No: F.146/04/2022.

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) cxliii) Initial	182minutes	Not less than 30 Min
	cxliv) Final.	294minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	336.66Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	446.66 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	563.33 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,
The Asst. Engineer.SD II, WD I, WRD, Mapusa- Bardez- 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