

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 bank protection for nallah in Sy.No. 112/1 to 112/3 at Chicalim Village in Dabolim Constituency.

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

**Source of receipt:** Assistant Engineer, SD II, WD II, WRD, Gogol- Margao- Goa.

**Ref. Letter No:** WRD/SD II/WD II/F. 03 /197/2022-23. **Dated:** 02-01-2023.

**Qty. Represented:**

**L.S. No: F.30/05/2022.**

**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) lxxi) Initial	186 minutes	Not less than 30 Min
	lxxii) Final.	294 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	393.33Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	490.00Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	576.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,  
The Asst. Engineer.SD II, WD II, WRD, Gogol- Margao- Goa.

Copy 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**