

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:-Urgent repairs to old canal outlet and providing kholapur type M.S. Gates to Firguini band in V.P. Kirlepal- Dabal in Sanvordem Constituency.

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

Source of receipt: Assistant Engineer, SD III, WDXII, WRD, Dharbandora- Goa.

Ref. Letter No: WRD/WD XII/ SD III/ F.1/2021-22/121. **Dated:** 08-11-2021.

Qty. Represented:

L.S. No: F.22/04/2021.

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 90 micron sieve)	4%	Not more than 10%
2	Setting Time in (Minutes) xxvii) Initial	182 minutes	Not less than 30 Min
	xxviii) Final.	274 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs.	373.33 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	423.33 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	516.66 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,
The Asst. Engineer.SD III, WD XII, WRD, Dharbandora- Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XII, WRD, Gogol- Margao- Goa.
3. Office file.

Junior Engineer

Assistant Engineer.