

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:-Maintenance and repairs to branch canal taking off at Ch. 18.450 kms from main canal of SIP from Ch. 0.00 kms to Ch. 1.600 kms (upto Direct outlet No.4) and its water course for the year 2020-21.

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

Source of receipt: Assistant Engineer, SD III, WD XIV, WRD, Cuncolim- Goa.

Ref. Letter No:WRD /SD III/WD XIV /W.F.3/ 2020-21/170.**Dated:**20-11-2020.
Qty. Represented:

L.S. No: 59/ 2021 `

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)		
	i) Initial	186 minutes	Not less than 30 Min
	ii) Final.	294 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	390.00 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	493.33 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	576.66 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	28 %	

To,

The Asst. Engineer.SDIII, WD XIV, WRD, Cuncolim, - Goa.

C.W.C. Submitted to:

1. The Exe. Eng. W.D.XI, WRD, Aquem-Baixo, Rawanfond, - Goa.
2. The Exe. Eng. W.D.XIV, WRD, Rawanfond, Aquem-Baixo, Margao- Goa.
3. Office file.

Junior Engineer

Assistant Engineer.