

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 flood protection wall at Bhatirwada at Village Morjim in Pernem Taluka.

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

Source of receipt: Assistant Engineer, SD III, WD I, WRD, Pernem –Goa

Ref. Letter No: No. MI/SD III/WDI/WRD/F.58/2021/22/25. **Dated:** 20-04-2021

Qty. Represented:

L.S. No: 380/2021

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)		
	ix) Initial	160 minutes	Not less than 30 Min
	x) Final.	288 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm ²		
	i) 72 hrs. ±1 hrs.	356.66 Kg/cm ²	Not less than 230.0Kg/cm ²
	ii) 168 hrs. ±2hrs	466.66 Kg/cm ²	Not less than 330.0Kg/cm ²
	iii) 672 hrs. ±4 hrs	593.33 Kg/cm ²	Not less than 430.0Kg/cm ²
4	Consistency of cement.	29 %	

Junior Engineer

Assistant Engineer.

To,
The Asst. Engineer.SD III, WD I, WRD, Pernem-Goa.
C.W.C. Submitted to:
2. The Exe. Eng. W.D. XI, WRD, Rawanfond– Goa.
3. Office file.