

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 nallah bank at Shirwada in Sy.No. 46/4 in V.P. Shiroda in Shiroda Constituency.

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

**Source of receipt:** Assistant Engineer, SD IV, WD XI, WRD, Ponda- Goa.

**Ref. Letter No:** WRD/ WD XI/SD IV/ W.F.cf/545/2021-22. **Dated:** 02-03-2022.

**Qty. Represented:**

**L.S. No:** F.118/05/2021

Physical Properties

Sr. No	Description	Test results	Requirements as per I.S.
1	Fineness. (% retained on 9 micron sieve)	3 %	Not more than 10%
2	Setting Time in (Minutes) xiii) Initial	164 minutes	Not less than 30 Min
	xiv) Final.	286 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	386.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	466.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	566.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	29 %	

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

**Junior Engineer**

**Assistant Engineer.**