

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 of nallah in Sy.No. 109-6-G, 109/1-1 & 109/1-E  
in Village Sarzora in Velim Constituency.

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

**Source of receipt:** Assistant Engineer, SD I, WD II, WRD, Rawanfond- Goa.

**Ref. Letter No:** WRD/ SD I/ WD II/ F.Estt/677/2021-22. **Dated:** 07-01-2022.

**Qty. Represented:**

**L.S. No:** F.68/05/2021

**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) xxxix) Initial	164 minutes	Not less than 30 Min
	xl) 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	446.66 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	536.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	29 %	

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

**Junior Engineer**

**Assistant Engineer.**