

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 existing Bhindezor (Spring) at Bhindem – Betoda  
in V.P. Betoda, Nirankal, Conxem, Codar of Shiroda Constituency.

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

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

**Ref. Letter No:** WRD/ WD XI/ SD IV/F.CF/57/2025-26.   **Dated:** 23-04-2025  
**Qty. Represented:**

**L.S. No:   F. 162/05/2024.**

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) vii)   Initial	188minutes	Not less than 30 Min
	viii)   Final.	291minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i)     72 hrs. ±1 hrs.	373.33Kg/cm2	Not less than 230.0Kg/cm2
	ii)   168 hrs. ±2hrs	433.33Kg/cm2	Not less than 330.0Kg/cm2
	iii)   672 hrs. ±4 hrs	523.33Kg/cm2	Not less than 430.0Kg/cm2
4	Consistency of cement.	29%	---

To,  
The Asst. Engineer. SD IV, WD XI, WRD, Ponda- Goa.  
C.W.C. Submitted to:  
1. The Exe. Eng. W.D. XI, WRD, Rawanfond– Goa.  
2. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim – Goa.  
3. Office file.

Junior Engineer

Assistant Engineer