

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:-** Restoration and beautification of Nuem Cola spring in Quepem Constituency.

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

**Source of receipt:** Assistant Engineer, Sub Div. V, WD XII, WRD, Quepem Goa

**Ref. Letter No:** WRD/SD V/WD XII/F.70/13/2024-25. **Dated:** 18-04-2024.

**Qty. Represented:**

**L.S. No: F. 167/05/2023.**

**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) v) Initial	186 minutes	Not less than 30 Min
	vi) Final.	294 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup> i) 72 hrs. ±1 hrs.	390.00 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2 hrs	493.33 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	546.66 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,  
Assistant Engineer, Sub Div V, WD. XII, WRD, Quepem- Goa  
C.W.C. Submitted to:  
2. The Exe. Eng. W.D. XI, WRD, Rawanfnd- Goa.  
3. S.W.II, CPO, WRD, Sinchai Bhavan , Alto, Porvorim – Goa.  
4. Office file.

**Junior Engineer**

**Assistant Engineer**