

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:-**Development and Stabilization of nallah banks at Vodlemol in Cacora Village in Curchorem Constituency.

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

**Source of receipt:** Assistant Engineer, SD V, WD XII, WRD, Quepem-Goa.

**Ref. Letter No:** WRD /WD XII/SD V/F. 15 /131 / 2021-22.    **Dated:** 16-12-2021.

**Qty. Represented:**

**L.S. No: F.36/05/2021**

**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)<br>i) Initial                       | 182minutes    | Not less than 30 Min     |
|        | ii) Final.  | 294minutes    | Not more than 600 Min.   |
| 3      | Minimum Com Strength Kg/Cm <sup>2</sup><br>i) 72 hrs. ±1 hrs. | 313.33Kg/cm2  | Not less than230.0Kg/cm2 |
|        | ii) 168 hrs. ±2hrs  | 426.66 Kg/cm2 | Not less than330.0Kg/cm2 |
|        | iii) 672 hrs. ±4 hrs  | 533.33 Kg/cm2 | Not less than430.0Kg/cm2 |
| 4      | Consistency of cement.  | 28 %          |                          |

To,  
The Asst. Engineer.SD V, WD XII, WRD, Quepem- Goa.  
C.W.C. Submitted to:  
1. The Exe. Eng. W.D.XI, WRD, Aquem Baixo- Goa.  
2. Office file.

**Junior Engineer**

**Assistant Engineer.**