

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:-** Protection to drain near Laxmikant Khedekar house ward No. 3, V.P. Priol of Priol Constituency of Ponda Taluka.

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

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

**Ref. Letter No:** WRD/ WD XI/SD IV/ W.F.CF/148/2021-22. **Dated:** 23-02-2021.

**Qty. Represented:**

**L. S. No: 211/2021**

**Physical Properties**

<b>Sr. No</b>	<b>Description</b>	<b>Test results</b>	<b>Requirements as per I.S.</b>
1	Fineness. (% retained on 9 micron sieve)	4%	Not more than 10%
2	Setting Time in (Minutes)		
	i) Initial	196 minutes	Not less than 30 Min
	ii) Final.	284 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	366.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2 hrs	433.33 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	513.33 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

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. Office file.

**Junior Engineer**

**Assistant Engineer.**