

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 Kunna Arik water body at Poltodi, Panzorconi under the Jurisdiction of Cuncolim Municipality.

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

**Source of receipt:** Assistant Engineer, SD III, WD III, WRD, Gogol- Margao-Goa.

**Ref. Letter No:** 257/SD III/ W D III/ WRD/2020-21/394. **Dated:** 01-03-2021

**Qty. Represented:**

**L.S. No:** 215/2021

**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	192 minutes	Not less than 30 Min
	ii) Final.	288 minutes	Not more than 600 Min.
3	Minimum Com Strength Kg/Cm <sup>2</sup>		
	i) 72 hrs. ±1 hrs.	396.66 Kg/cm <sup>2</sup>	Not less than 230.0Kg/cm <sup>2</sup>
	ii) 168 hrs. ±2hrs	493.33 Kg/cm <sup>2</sup>	Not less than 330.0Kg/cm <sup>2</sup>
	iii) 672 hrs. ±4 hrs	573.33 Kg/cm <sup>2</sup>	Not less than 430.0Kg/cm <sup>2</sup>
4	Consistency of cement.	28 %	

To,

The Asst. Engineer.SD III, WD III, WRD, Gogol- Margao- Goa.

C.W.C. Submitted to:

1. The Exe. Eng. W.D.XI, WRD, Rawanfond- Goa.
2. Office file.

**Junior Engineer**

**Assistant Engineer.**