

GOVERNMENT OF GOA  
OFFICE OF THE ASSISTANT ENGINEER  
SUB DIVISION III, WORKS DIVISION XI  
QUALITY CONTROL LABORATORY, (SOUTH),  
WATER RESOURCES DEPARTMENT,  
GOGAL, MARGAO- GOA.

**PLEASE FIND THE TEST RESULTS OF CEMENT AS DETAILED BELOW:**

**Name of work:-** Construction of protection wall to the nallah side bank in Sy.No. 59/1 in Village Panchayat Nagoa in Nuvem Constituency of Salcete Taluka.

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

**Source of receipt:** Assistant Engineer, SD I, WD II, WRD, Rawanfona-Goa.

**Ref. Letter No:** WRD/SD I/ WD II/ F.Esst/79/2020-21. **Dated:** 30-04-2021.

**Qty. Represented:**

**L.S. No: 392/2021**

**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)                |                           |                                       |
|               | iii) Initial                             | 196 minutes               | Not less than 30 Min                  |
|               | iv) Final.                               | 290 minutes               | Not more than 600 Min.                |
| 3             | Minimum Com Strength Kg/Cm <sup>2</sup>  |                           |                                       |
|               | i) 72 hrs. $\pm$ 1 hrs.                  | 363.33 Kg/cm <sup>2</sup> | Not less than 230.0Kg/cm <sup>2</sup> |
|               | ii) 168 hrs. $\pm$ 2hrs                  | 466.66 Kg/cm <sup>2</sup> | Not less than 330.0Kg/cm <sup>2</sup> |
|               | iii) 672 hrs. $\pm$ 4 hrs                | 576.66 Kg/cm <sup>2</sup> | Not less than 430.0Kg/cm <sup>2</sup> |
| 4             | Consistency of cement.                   | 28%                       |                                       |

To,  
The Asst. Engineer.SD I, WD II, WRD, Rawanfona - Goa.  
C.W.C. Submitted to:  
1. The Exe. Eng. W.D.XI, WRD, Rawanfona – Goa.  
2. Office file.

**Junior Engineer**

**Assistant Engineer.**