

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:- Construction of OTB bandhara at Komtat assoldem in V.P. Barcem
Quedem in Quepem in Quepem Constituency.

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

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

Ref. Letter No: WRD/WD XII/ SD V/F.15/141/2021-22. **Dated:** 27-12-2021.

Qty. Represented:

L.S. No: F.62/05/2021

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) xv) Initial | 178minutes | Not less than 30 Min |
| | xvi) Final. | 272minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² i) 72 hrs. ±1 hrs. | 383.33Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. ±2hrs | 456.66Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. ±4 hrs | 596.66Kg/cm ² | Not less than 430.0Kg/cm ² |
| 4 | Consistency of cement. | 29% | |

To,
The Asst. Engineer.SD V, WD XII, WRD, Quepem - Goa.

C.W.C. Submitted to:

1. The Exe. Eng. W.D. XII, WRD, Gogol- Margao – Goa.
2. Office file.

Junior Engineer

Assistant Engineer.