

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:-Repairs to direct outlet OR 7 & OR 8 of main canal of SIP for the year 2020-21.

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

Source of receipt: Assistant Engineer, SD III, WD XIV, WRD, Cuncolim-Goa.

Ref. Letter No:WRD/SD III/ WD XIV/W.F. 102/2020-21/185. **Dated:**10-12-2020.

Qty. Represented:

L.S. No: 71/20

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) | | |
| | i) Initial | 182 minutes | Not less than 30 Min |
| | ii) Final. | 296 minutes | Not more than 600 Min. |
| 3 | Minimum Com Strength Kg/Cm ² | | |
| | i) 72 hrs. ±1 hrs. | 323.33 Kg/cm ² | Not less than 230.0Kg/cm ² |
| | ii) 168 hrs. ±2hrs | 426.66 Kg/cm ² | Not less than 330.0Kg/cm ² |
| | iii) 672 hrs. ±4 hrs | 513.33 Kg/cm ² | Not less than 430.0Kg/cm ² |
| 4 | Consistency of cement. | 28 % | |

To,
The Asst. Engineer.SD III, WD XIV, WRD,Cuncolim- Goa.

C.W.C. Submitted to:

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

Junior Engineer

Assistant Engineer.