

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9899, 9900 /Lab/197/2021-22 **Dated:** 01/11/2021. **Laboratory:** Bicholim

Sand –T: 5189. Cement-1287

Sub Div: V (QC)/WRD/Bicholim Goa.

Sub:-Improvement to nallah protection wall near the house of Smt. Sufala Pokhare at Chonsaiwada in V.P. Parcem in Mandrem Constituency.

Ref to requisition No.:-MI/SDIII/WDI/WRD/F.58/2021-22/243 **Dated:** 19/10/2021.

Qty. Received: 1 bags each **Date of Receipt:** 26/10/2021 **Tested on:** 27, 28 & 29/10/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. N.:**-7038,7039,7048,7037/SS **Lab. Sample No.:** 2290 To 2293 **Tested by:** Mrs. Shirodkar.JE.

12.5mm size aggrt., Cement

R E P O R T 01 OF 01

| Sr. No. | Description of sample | Tested for | Results | Max. /Min. value permissible | Remarks |
|---|---|---|---|--|---------|
| 1. | 20 mm Size Aggregate: | Particle size distribution: | It is single sized aggregate of 20 mm nominal size. | (Qty. rep. – --m ³) | |
| 2. | 12.5 mm Size Aggregate: | Particle size distribution: | It is not single sized aggregate of 12.5 mm nominal size. | (Qty. rep. – -- m ³) | |
| REMARK: After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of 1:1 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size. | | | | | |
| 3. | Sand: (L.S.No.2292) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 5.60% : - 5.26% : - 2.28 : - II | | |
| To be used for----. REMARK: The observed results are within the permissible limits of the coarse sand. | | | | | |
| 4. | Cement: JK. Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: W/M-Invisible, Year'2021 CM/L =0003401033 Qty. rep. –. To be used for –. | i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time | : 1.26% : 31.00% : 175 minutes : 300 minutes | ----- (It should not be more than 10%) (It should be in the neighborhood of 35%) ---- (It should not be less than 30 minutes) -- (It should not be more than 600 minutes) | |
| REMARK: The observed results are within the permissible limit for Ordinary Portland cement. | | | | | |

Copy to: 1. The Assistant Engineer, SDIII, WDI,WRD, Pernem – Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.

3. Copy Submitted to The Executive Engineer, W.D. I, WRD, Porvorim – Goa

4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer