

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9847, 9848 /Lab/58/2021-22 **Dated:** 06/05/2021. **Laboratory:** Bicholim
Sand –T: 5156. Cement-1262 **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub:-Construction of Irrigation well in the field of Shri. Prabhakar D.Bhide in the Sy.No.132/12 village Honda in Sattari Taluka.

Ref to requisition No.: MIN/WDVI/WRD/SDII/F.62/21-22/19 **Dated:** 16/04/2021.

Qty. Received: 1 bags each **Date of Receipt:** 03/05/2021 **Tested on:** 03,04 & 05/05/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. N.:** -6081,6082,6109 & 6095/SS **Lab. Sample No.:** 1469 To 1472 **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 therequired criteria for graded aggregate of 20 mm nominal size. | | | | | |
| 3. | Sand: (L.S.No.1471) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 4.60% : - 4.08% : - 2.49 : - II | | |
| To be used for----. REMARK: The observed results are within the permissible limits of the coarse sand. | | | | | |
| 4. | Cement: J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 14, Month 04, Year' 2021. CM/L =0003401033 Qty. rep. –. | i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time | : 1.29% : 31.00% : 135 minutes : 270 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) | |
| To be used for –. REMARK: The observed results are within the permissible limit for Ordinary Portland cement. | | | | | |

- Copy to: 1. The Assistant Engineer, SDII, WDVI, WRD, Valpoi-Sattari – Goa.
 2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
 3. Copy Submitted to The Executive Engineer, W.D.VI, WRD, Bicholim – Goa
 4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer