

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9584, 9585 /Lab/ 487 /2019-20

Dated: 12/ 03 / 2020.

Laboratory: Bicholim

Sand –T: 5003 , Cement: 1152.

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

Sub: Construction of protection wall to the Kudso river at Parsekarwada in Sy.No. 12/1 and 6/3 in V.P. Querim in Sattari Taluka..

Ref to requisition No: SDIV/WDVI/WRD/F. 73/2019-20/759 Dated: 19/02/2020.

Qty. Received: 1 bags each **Date of Receipt:** 04/03/2019 **Tested on:** 06, 09 & 10/03/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3424,3425, 3428 & 3373/SS **Lab. Sample No.:** 8245 To 8248 **Tested by:** Mrs. S. B. Naik 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 1:2 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size. | | | | | |
| 3. | Sand: (L.S.No.8247) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 4.20% : - 6.52% : - 2.11 : - III | | |
| 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 <u>07</u> , Month <u>02</u> , Year' <u>2020</u> . CM/L = <u>0003401033</u> Qty. rep. – _____. To be used for – NOT SPECIFIED. | i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time | : 1.01 % : 31.50% : 175 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) | |
| REMARK: The observed results are within the permissible limit for Ordinary Portland cement. | | | | | |

Copy to: 1. The Assistant Engineer, SDIV, WDVI,WRD, Bicholim – 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