

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

Test Report No.: WRD/Q.C./F.6-4/ Sand –T: 4887 /Lab/ 160 /2019-20
Aggr -T- 9388, 9389 Cement: 1085.

Dated: 06 / 06 / 2019.

Laboratory: Bicholim

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

Sub: Construction of Irrigation wall in the field of Shri. Pramod G. Gaude at Melauli at Survey No. 39/7 V.P. Guleli in Sattari Taluka.

Ref to requisition No: SDII/WDVI/WRD/F. 62/2019-20/111 Dated: 30/05/2019.

Qty. Received: 1 bags each **Date of Receipt:** 31/05/2019 **Tested on:** 04 & 05/06/2019 **Ref to Specification:** CPWD 2002, Vol. I & IS:4031-4-1988

Sample: Sand ,20mm, **O.S.No.** 2058,2059,2091 & 2092/SS **Lab. Sample No.:** 4990 To 4993 **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. | Sand: (L.S.No.4990) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 3.60% : - 4.44% : - 2.412 : - III | | |
| REMARK: The observed results are within the permissible limits of the coarse sand. | | | | | |
| 2. | 20 mm Size Aggregate: | Particle size distribution: | It is single sized aggregate of 20 mm nominal size. | (Qty. rep. – --- m ³) | |
| 3. | 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. | | | | | |
| 4. | Cement: J.K cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week <u>21</u> , Month <u>05</u> , Year' <u>2019</u> . CM/L = <u>0003401033</u> Qty. rep. – _____. | | i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time | : 1.00 % ----- (It should not be more than 10%) : 31.50% (It should be in the neighborhood of 35%) : 165 minutes ---- (It should not be less than 30 minutes) : 300 minutes -- (It should not be more than 600 minutes) | |
| | | To be used for – NOT SPECIFIED. | 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