

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9530, 9531 /Lab/ 385 /2019-20

Dated: 14/ 01 / 2020.

Laboratory: Bicholim

Sand –T: 4969 , Cement: 1133.

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

Sub: Stabilisation of hillslope from the house (A) Mr. Rambhau Khandekar to Mr. Vidhyadhar Gawas (B) Mr. Ramesh Pednekar to Mr. Chandru Khedekar (C) Mr. Balaji Redkar to Mr. Krishna Lingudkar house and others in V.P. Verla Canca in Siolim Constituency.

Ref to requisition No: SDI/WDI/WRD/F. 57/2019-20/474 Dated: 06/01/2020.

Qty. Received: 1 bags each **Date of Receipt:** 08/01/2020 **Tested on:** 10,11 & 13/01/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3007,3008, 3009 & 3030/SS **Lab. Sample No.:** 7592 To 7595 **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. | Coarse Sand: (L.S.No.7594) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 3.00% : - 4.34% : - 2.69 : - II | | |
| 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>52</u> , Month <u>12</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 | : 0.98 % ----- (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) : 280 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, SDI, WDI,WRD, Porvorim – 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