# GOVERNMENT OF GOA
## QUALITY CONTROL LABORATORY
### WATER RESOURCES DFEPARTMENT

**Test Report No.**: WRD/Q.C./F.6-4/ Aggr -T- 9576, 9577 /Lab/ **474** /2019-20          **Dated:**  06/ 03 / 2020.          **Laboratory:** Bicholim

**Sand –T: 4998**                                                                                                          **Sub Div:** V (QC)/WRD/Bicholim Goa.

**Sub:** Construction of drain from Ch.90 mt to Ch.210 mt for the side Camurlim Branch canal of LBMC of TIP at Shel Sodium of Siolim Village in Bardez Taluka.

**Ref to requisition No**: SDI/WDVIII/WRD/W.F. 46/2019-20/217    Dated: 25/02/2020.

**Qty. Received:** 1 bags each      **Date of Receipt**: 27/02/2020   **Tested on**:  28 & 29/02/2020   **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

**Sample:** Sand ,20mm,        **O.S. No.** 3307, 3308  & 3313 /SS          **Lab. Sample No.**: 8151 To 8153          **Tested by**:  Mrs. S. B. Naik Shirodkar.JE.

  12.5mm size aggrt,

**R E P O RT 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:** | i) Silt & Clay by S.A. method | : - | 3.60% |
| | (L.S.No.8153) | ii) Silt by sedimentation | : - | 4.34% |
| | | iii) Fineness Modulus | : - | 2.60 |
| | | iv) Grading Zone | : - | II |

To be used for – Concrete work (1:2:4)        **REMARK:  The observed results are within the permissible limits of the coarse sand.**

Copy to:  1. The Assistant Engineer, SDI, WDVIII,WRD, Karaswada, Bardez – Goa.
          2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
          3. Copy Submitted to The Executive Engineer, W.D. VIII, WRD, Karaswada, Bardez – Goa
          4. Q.C. Lab file            5.  Bill File.

**Junior Engineer**                    **Assistant Engineer**