

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

**Test Report No.:** WRD/Q.C./F.6-4/Aggr-T-9626, 9627 /Lab/ 45 /2020-21

**Dated:** 05/06/2020.

**Laboratory:** Bicholim

**Sand –T: 5027**

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

**Sub:** Construction of water course and field channels for M2 /WC/2, OL-2, OL – 3, OL-4 and OL- 5 of Camurlim Minor of LBMC of TIP at Village in Bardez Taluka.

**Ref to requisition No:** SDI/WDVIII/WRD/WF. 24/2020-21/37 Dated: 28/05/2020.

**Qty. Received:** 1 bags each **Date of Receipt:** 30/05/2020 **Tested on:** 02, 03 & 04/06/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

**Sample:** Sand, 20mm, **O.S. No.** 3764, 3765 & 3776 /SS **Lab. Sample No.:** 9021 To 9023 **Tested by:** Mrs. S.B. Naik Shirodkar, JE.  
12.5mm size aggrt,

**R E P O R T 01 OF 01**

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<b>20 mm Size Aggregate:</b>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – 30.00 m <sup>3</sup> )	
2.	<b>12.5 mm Size Aggregate:</b>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – 20.00 m <sup>3</sup> )	
<b>REMARK:</b> 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.	<b>Sand:</b> (L.S.No.9023)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.20% : - 5.43% : - 2.216 : - III	.. (Qty. rep. – 45.00 m <sup>3</sup> )	

**REMARK:** The observed results are within the permissible limits for the coarse sand

To be used for – Concrete work 1:2:4.

- 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**