

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

**Test Report No.:** WRD/Q.C./F.6-4/ Aggr -T- 9562, 9563 /Lab/ 454 /2019-20

**Dated:** 26/ 02 / 2020.

**Laboratory:** Bicholim

**Sand –T:** 4988,4990

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

**Sub:** Construction of field channels for DWC 2L takes off from Ch. 24.761 km of LBMC of TIP at Colvale Village in Bardez Taluka.

**Ref to requisition No:** SDI/WDVIII/WRD/W.F. 16/2019-20/202 Dated: 17/02/2020.

**Qty. Received:** 1 bags each **Date of Receipt:** 17/02/2020 **Tested on:** 22 & 24/02/2020 **Ref to Specification:** CPWD 2009, Vol. I

**Sample:** Sand ,20mm, **O.S. No.** 3276, 3277,3283 & 3284 /SS **Lab. Sample No.:** 7936 To 7939 **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. – 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. –m <sup>3</sup> )	
<b>REMARK:</b> After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of <b>1:2</b> by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	<b>Coarse Sand:</b> (L.S.No.7938)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 3.60 % : - 4.44 % : - 2.13 : - III	4. <b>Fine Sand:</b> (L.S.No.7939)	i) Silt & Clay by S.A. method : - 4.40 % ii) Silt by sedimentation : - 5.68 % iii) Fineness Modulus : - 1.90 iv) Grading Zone : - IV

**REMARK:** The observed results are within the permissible limits of the coarse and fine 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**