

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9542, 9543 /Lab/ 405 /2019-20

Dated: 25/ 01 / 2020.

Laboratory: Bicholim

Sand –T: 4976,4977

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. 16/2019-20/180 Dated: 17/01/2020.

Qty. Received: 1 bags each **Date of Receipt:** 21/01/2020 **Tested on:** 22,23 & 24/01/2020 **Ref to Specification:** CPWD 2009, Vol. I

Sample: Sand ,20mm, **O.S. No.** 3097, 3098,3104 & 3110 /SS **Lab. Sample No.:** 7678 To 7681 **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.	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.7680)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 3.60 % : - 4.54 % : - 2.30 : - III	4. Fine Sand: (L.S.No.7681)	i) Silt & Clay by S.A. method : - 2.80 % ii) Silt by sedimentation : - 2.22 % iii) Fineness Modulus : - 1.55 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