

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9781,9782/Lab/260/2020-21 Dated: 24/ 02/2021. **Laboratory:** Bicholim
Sand –T:5111. **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: Construction of Minor 4 and OL-1 and its field channels of Kamurlim Branch of LBMC of TIP at village Oxel in Bardez Taluka.

Ref to requisition No: SD-I/WDVIII/WRD/W.F.33/2020-21/203 Dated: 15/02/2021.

Qty. Received: 1 bags each **Date of Receipt:** 15/02/2021 **Tested on:** 16,17&18/02/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 5080, 5081 & 5100/SS **Lab. Sample No.:** 475 To 477 **Tested by:** Mrs. S. B. Naik Shirodkar.JE.
12.5mm size aggrt.

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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. 40.00m ³)	
2.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. 40.00m ³)	
REMARK: After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of 1:1 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.477)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.20% : - 5.68% : - 2.64 : - II		
To be used for –concrete work 1:2:4 mix REMARK: The observed results are within the permissible limits of the coarse sand.					

- Copy to: 1. The Assistant Engineer, SDI, W.D.VIII,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