

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9785,9786/Lab/263/2020-21 Dated: 25/02/2021. **Laboratory:** Bicholim
Sand –T:5113. **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: Providing barbed wire fencing 1.20mt height on L.H.S and R.H.S side of R.C.C. box conduit from ch.31.040km to 31.835km along LBMC of TIP in Mapusa city of Bardez Taluka.

Ref to requisition No: SD-I/WDVIII/WRD/W.F. 23/2020-21/212 Dated: 19/02/2021.

Qty. Received: 1 bags each **Date of Receipt:** 22/02/2021 **Tested on:** 22,23&24/02/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.:** -5170,5171&5175/SS **Lab. Sample No.:** 519To 521 **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 1:2 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.521)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.81% : - 2.25 : - III		
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