

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9839, 9840 /Lab/ **43** /2021-22 **Dated:**29/ 04/2021. **Laboratory:** Bicholim
Sand –T: 5151. **Sub Div: V (QC)/WRD/Bicholim Goa.**

Sub: Construction of flood protection wall at Bhatirwada at Village Morjim in Pernem Taluka.

Ref to requisition No.: -MI/SDIII/WDI/WRD/F.58/21-22/26 **Dated:** 20/04/2021.

Qty. Received: 1 bags each **Date of Receipt:** 21/04/2021 **Tested on:** 27 & 28/04/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 5995, 5996 & 6003/SS **Lab. Sample No.:** 1303 To 1305 **Tested by:** Mrs. 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. – --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 **1:1** by weight; it is satisfying therequired criteria for graded aggregate of 20 mm nominal size.

3.	Sand: (L.S.No.1305)	i) Silt & Clay by S.A. method : - 4.40%
		ii) Silt by sedimentation : - 5.43%
		iii) Fineness Modulus : - 2.41
		iv) Grading Zone : - II

REMARK: The observed results are within the permissible limits of the coarse sand.

- Copy to: 1. The Assistant Engineer, SDIII, WDI, WRD, Pernem – Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3. Copy Submitted to The Executive Engineer, W.D.I, WRD, Porvorim – Goa
4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer