

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

**Test Report No.:** WRD/Q.C./F.6-4/ Aggr -T- 9723, 9724 /Lab/ 197 /2020-21  
**Sand –T: 5085.**

**Dated:** 16/ 01 / 2021.

**Laboratory:** Bicholim

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

**Sub:** Construction of Kamurlim branch from Ch.4.16 km to Ch.5.320 km and OL-5 and OT and its field networks of LBMC of TIP at village Kamurlim in Bardez Taluka.

**Ref to requisition No:** /SD-I/WDVIII/WRD/W.F. 34/2020-21/171 Dated: 06/01/2021.

**Qty. Received:** 1 bags each **Date of Receipt:** 08/01/2021 **Tested on:** 11,12 & 13/01/2021 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

**Sample:** Sand ,20mm, **O.S. No.** 4658,4659 & 4672 /SS **Lab. Sample No.:** 37, 38 & 39 **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>Sand:</b> (L.S.No.39)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.60% : - 5.43% : - 2.46 : - III		

To be used for – 1:2:4 concrete work.

**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**