

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

**Test Report No.:** WRD /Q.C./F.6-4/ Aggr-T- 9596,9597 / Lab / **511** /2019-20      Dated: -    31 / 03 /2020.    **Laboratory:** Bicholim -Goa  
Sand.T- 5010      **Sub Div:** V (QC)/WRD/Bicholim -Goa

**Sub:-** Supplying Raw water to Mopa airport by pumping water from ch. 17.30 km of RBMC of TIP at Nagzer Village in Pernem Taluka

**Ref to requisition No:** - SD II / WD VII / WRD / F.23 / 2019-20 / **182**      Dated:-    21 / 03 / 2020.  
**Qty. Received:** 1 bags each      **Date of Receipt:-**    21 / 03 / 2020      **Tested on:** - 21/03/2020      **Ref to Specification:** CPWD 2009, Vol. I  
**Sample:** 20mm, 12.5mm size aggrt,      **O.S. No. :** 3550/SS To 3552/SS      **Lab. Sample No.:-** 8475 To 8477      **Tested by:** Mrs. S.B.Naik Shirodkar., J.E.  
& Sand. .

**R E P O R T 01 OF 01**

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<b><u>20.00 mm Size Aggregate:</u></b>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – ----- m <sup>3</sup> )	
2.	<b><u>12.50 mm Size Aggregate:</u></b>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – ----- m <sup>3</sup> )	
<b><u>REMARK:</u></b> After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of <b><u>1:2</u></b> by weight; it is satisfying the required criteria for Graded aggregate of 20 mm nominal size.					
3.	<b><u>Sand:</u></b>	i) Silt & Clay by S.A. method	: -    4.00 %	Qty. rep. – ---- m <sup>3</sup>	
		ii) Silt by sedimentation	: -    4.65 %		
		iii) Fineness Modulus	: -    2.58		
		iv) Grading Zone	: -    II		
<b><u>REMARK:</u></b> The observed results are within permissible limits of the coarse sand.					

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

Junior Engineer

Assistant Engineer