

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

**Test Report No.:** WRD/Q.C./F.6-4/Aggr-T-9544,9445 / Lab / 414 / 2019-20

**Dated:-** 31 / 01 / 2020.

**Laboratory:** Bicholim -Goa

**Sand –T:** 4978

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

**Sub:** - Extension of existing wall of Super passage at Ch. 16.600 Kms of RBMC of TIP at village Nagzar in Pernem Taluka..

**Ref to requisition No:** SDI/WDVII/WRD/F. 360 / 2019-20 / 316 Dated:- 21 / 01 / 2020.

**Qty. Received:** 1 bags each **Date of Receipt:** - 25 / 01 / 2020 **Tested on:-** 28 & 29 /01/ 2020 **Ref to Specification:** CPWD 2009, Vol. I.

**Sample:**Sand, 20mm, **O.S. No.** 1626,1627 & 1628 /AF **Lab. Sample No.:** 7732 To 7734 **Tested by:** Mr. Anil R. Fadte, 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. – 40.00 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. – 40.00 m <sup>3</sup> )	
<b>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.</b>					
3.	<b>Coarse Sand:</b> (L.S.No.7734)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 3.80 % : - 4.88 % : - 2.50 : - II		

**REMARK:** The observed results are within the permissible limits of the Coarse Sand.

To be used for – For PCC 1:2:4

- Copy to: 1. The Assistant Engineer, SDI, WDVII,WRD, Dhargal, 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.VII, WRD, Dhargal,Pernem – Goa.  
4. Q.C. Lab file                      5. Bill File.

**Junior Engineer**

**Assistant Engineer**