

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9458, 9459 /Lab/ 306 /2019-20
Sand –T: 4930

Dated: 25/ 11/ 2019.

Laboratory: Bicholim

Sub Div: V (QC)/WRD/Bicholim

Sub: Construction of Anjuna Distributory taking off at ch. 28.97 km of the Left Bank main canal of Tillari Irrigation Project in Siolim & Anjuna Village of Bardez Taluka. **Part I :** Construction of pump house, manifold and supply & installation of pumps and Motors, Transformer Substation, Electrical accessories and internal wiring for Anjuna Distributory near ch.28.970 kms of LBMC of TIP at Village Cucholim of Bardez Taluka.

Ref to requisition No: SDIII/WDVIII/WRD/WF. 32(PART- I)/2019-20/185 Dated: 14/11/2019.

Qty. Received: 1 bags each **Date of Receipt:** 19/11/2019 **Tested on:** 20/11/2019 to 22/11/2019 **Ref to Specification:** CPWD 2002, Vol. I & IS:4031-4-1988

Sample: Sand ,20mm, **O.S. No. :** 2766 to 2768 /SS **Lab. Sample No.:** 6890 TO 6892 **Tested by:** Mrs. S. B. Naik Shirodkar.JE.
12.50mm 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.	20 mm Size Aggregate:	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – 100.00 m ³)	
2.	12.50 mm Size Aggregate:	Particle size distribution:	It is not single sized aggregate of 12.50 mm nominal size.	(Qty. rep. – 100.00 m ³)	
REMARK: After blending 20 mm aggregate with 12.50 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.	M. Sand: (L.S.No.6892)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 8.80% : - 12.50% : - 3.12 : - I		
REMARK: The observed results are within the permissible limits of the Coarse sand. (As per IS 383:2016 clause 5.2.1-Table 2)					

- Copy to: 1. The Assistant Engineer, SDIII, WDVIII, 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