

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-9444 To 9447 /Lab/ 289 /2019-20
Sand –T: 4922 & 4923 .

Dated: 25/ 10/2019.**Laboratory:** Bicholim
Sub Div: V (QC)/WRD/Bicholim Goa.

Sub: Providing RCC lining for B/2 Distributory from Ch. 0.00 km to ch. 2.15 kms of RBMC of TIP in V.P. Allorna in Pernem Taluka..

Ref to requisition No: SDIV/WDVII/WRD/F. 351/2019-20/126 Dated: 18/10/2019.

Qty. Received: 2 bags each **Date of Receipt:** 22/10/2019 **Tested on:** 23 & 24/10/2019 **Ref to Specification:** CPWD 2002, Vol. I&IS:4031-4-1988

Sample: Sand, 20mm, **O.S. No.** 2724 To 2729 /SS **Lab. Sample No.:** 6847 To 6852 **Tested by:** Mrs. S.B. Naik Shirodkar, JE.
12.5mm size aggrt,

R E P O R T 01 OF 02

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 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. – 100 m ³)	
	(L.S.No. 6847 & 6849)	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.			
3.	20 mm Size Aggregate:	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – 100 m ³)	
4.	12.5 mm Size Aggregate:	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – 100 m ³)	
	(L.S.No. 6848 & 6850)	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.			
5.	Coarse Sand: (L.S.No.6851)	i) Silt & Clay by S.A. method :- 2.80% ii) Silt by sedimentation :- 2.22% iii) Fineness Modulus :- 2.63 iv) Grading Zone :- II	6.	Coarse Sand: (L.S.No.6852)	i) Silt & Clay by S.A. method :- 3.20% ii) Silt by sedimentation :- 4.16% iii) Fineness Modulus :- 2.55 iv) Grading Zone :- II

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

- Copy to: 1. The Assistant Engineer, SDIV, 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