

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr-T- 9438, 9439, Sand-T-4919 /Lab/ **284** /2019-20 **Dated:**15/10/2019.

Laboratory: Bicholim-Goa

Sub Div V/ (QC), WD VIII, WRD, Bicholim-Goa

Sub: Improvement of DWC 1R of Tail Minor and Extension of DO-4R of B/2 Distributory of of RBMC of TIP at village Allorna in Pernem Taluka.

Ref to requisition No: SD IV/ WDVII / WRD/ F./19-20/115 **Dated:** 10/10/2019

Qty. Received: 1 bags each **Date of Receipt:** 11/10/2019 **Tested on:** 14 & 15/10/2019 **Ref to Specification:** CPWD 2002, Vol. I & IS: 4031-4, 1988

Sample: 20mm, 12.5mm size aggrt, Sand **O.S. No. :** 1136/AF to 1138/AF **Lab. Sample No.:** 6831 TO 6833

Tested by: Mr. Anil R. Fadte , J.E.

R E P O R T

REPORT					
Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<u>20 mm Size Aggregate:</u>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size (Qty. rep. 25m ³)		
2.	<u>12 mm Size Aggregate:</u>	Particle size distribution:	It is single sized aggregate of 12.5 mm nominal size. (Qty. rep. 15m ³)		
<u>REMARK:</u> After blending 20 mm aggregate with 12 mm aggregates at the ratio of <u>1:2</u> by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	<u>Sand:</u>	i) Silt & Clay by S.A. method	: - 3.60%	(Qty. rep. 15m ³)	
		ii) Silt by sedimentation	: - 5.81 %	.	
		iii) Fineness Modulus	: - 2.50		
		iv) Grading Zone	: - III		

REMARK: The observed results are within the permissible limit for coarse sand.

Copy to: 1. The Assistant Engineer, S. D. IV, 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

