

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

Test Report No.: WRD /Q.C./F.6-4/ Aggr-T- 9590,9591 / Lab / **493** /2019-20 Dated: - 18 / 03 /2020. **Laboratory:** Bicholim -Goa
Sand.T- 5007 **Sub Div:** V (QC)/WRD/Bicholim -Goa
Sub:- Construction of Pump House , Rising Main and Allied Structures for pumping water from Ch. 7.190 Km To Ch.8.002 Km and Gravity Main
from Ch. 8.002 Km To Ch.8.780 Km of B-6 Distributary of R.B.M.C. of T.I.P. at Ugvem in Pernem Taluka.

Ref to requisition No: - SD II / WD VII / WRD / F.18 / 2019-20 / 177 Dated:- 17 / 03 / 2020.
Qty. Received: 1 bags each **Date of Receipt:-** 17 / 03 / 2020 **Tested on:** - 17,18/03/2020 **Ref to Specification:** CPWD 2009, Vol. I
Sample: 20mm, 12.5mm size aggrt, **O.S. No. :** 3505/SS To 3507/SS **Lab. Sample No.:-** 8433 To 8435 **Tested by:** Mrs. S.B.Naik Shirodkar., J.E.
& Sand. .

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Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	<u>20.00 mm Size Aggregate:</u>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – ----- m ³)	
2.	<u>12.50 mm Size Aggregate:</u>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – ----- m ³)	
<u>REMARK:</u> 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.	<u>Sand:</u>	i) Silt & Clay by S.A. method	: - 4.00 %	Qty. rep. – ---- m ³	
		ii) Silt by sedimentation	: - 3.26 %		
		iii) Fineness Modulus	: - 2.586		
		iv) Grading Zone	: - II		

REMARK: 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