

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-9548, 9549, Sand-T-4980/Lab/ **416** /2019-20 Dated: 01/02/2020.

Laboratory: Bicholim

Sub Div: V (QC)/WRD/Bicholim

Goa.

Sub: Construction of D.W.C's and F.C.'s and DO's of B-7 distributory of RBMC of TIP in Dhargal village of Pernem Taluka.

Ref to requisition No: SDIV/WDVII/WRD/F. 10/2019-20/233 Dated: 25/01/2020.

Qty. Received: 1 bags each **Date of Receipt:** 28/01/2020 **Tested on:** 28 & 29/01/2020 **Ref to Specification:** CPWD 2009, Vol. I&IS: 4031-4-1988

Sample: 20mm, 12.50mm size aggrt, Coarse sand. **O.S. No.** 1658 To 1660 /AF **Lab. Sample No.:** 7758 To 7760 **Tested by:** Mr. Anil R. Fadte, JE.

REPORT 01 OF 01

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. – 40 m ³)	
2.	<u>12.5 mm Size Aggregate:</u>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – 40 m ³)	

REMARK: After blending 20 mm aggregate with 12.5 mm aggregates at the ratio of **1:2** by weight; it is satisfying therequired criteria for graded aggregate of 20 mm nominal size.

3. **Coarse Sand:**
- i) Silt & Clay by S.A. method :- 4.40%
 - ii) Silt by sedimentation :- 6.67%
 - iii) Fineness Modulus :- 1.93
 - iv) Grading Zone :- III

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