GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9697, 9698 /Lab/ **164** /2020-21   **Dated:** 14/ 12 / 2020.   **Laboratory:** Bicholim

     Sand –T: 5067.   **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: providing barbed wire fencing from ch. 33.740 km to 33.910 along LBMC of TIP at village Bastora of Bardez Taluka.

Ref to requisition No: /SDI/WDVIII/WRD/W.F. 51/2020-21/156   Dated: 07/12/2020.

Qty. Received: 1 bags each   **Date of Receipt**: 07/12/2020   **Tested on**: 07 & 08/12/2020   **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm,   **O.S. No.** 4358,4359 & 4362 /SS   **Lab. Sample No**.: 9685 To 9687   **Tested by**: Mrs. S. B. Naik Shirodkar.JE.

     12.5mm size aggrt.

R E P O RT 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. – -- 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. – -- _m^3)	

     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.	**Sand:**	i) Silt & Clay by S.A. method	: - 5.20%		
	(L.S.No.9687)	ii) Silt by sedimentation	: - 5.68%		
		iii) Fineness Modulus	: - 2.50		
		iv) Grading Zone	: - II		

To be used for – 1:2:4 concrete work.   **REMARK:** **The observed results are within the permissible limits of the coarse sand.**

Copy to: 1. The Assistant Engineer, SDI, WDVIII,WRD, 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**