

**QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/Q.C./F.6-3/Soil. T:- 1523,1524 & 1525 /Lab/288/2021-22 Dated: 07/ 02 /2022.
Sand-T:- 5243. Aggr-T:-9981,9982.

Laboratory: Bicholim
Sub Division: V (QC)/WRD/Bicholim

Sub.: Strengthening to the bund "Cava Casana" at Chorao in Tiswadi Taluka.

Ref to requisition No.: 3-Tech/F.4(Tis)/05/SCD/D.Aggi/2021-22/819 dt:- 03/01/2022

Qty. Received: ½ bag Soil. **Date of Receipt:** 20/01/2022 **Tested on:** 25,26,27 & 28/01/2022 **Ref to IS/CPWD Specification:** CPWD 2009, Vol. I, IS: 2720, Part IV, V, 1985.

Sample of: Soil, Sand, 20mm, **O.S. No.:** 7510,7511,7507,7506,7478 & 7479/SS **Lab. Sample No.:** 2795 to 2798 **Tested by:** Mrs. S.B. Naik Shirodkar J.E.
12.5mm size aggrt.

R E P O R T 01 OF 01

Sr. No.	Description of sample	Tested for	Results	Max./Min. value permissible	Remarks
1.	Soil: (L.S.No.2795)	I) Plasticity Index.	Liquid Limit :- 33.00% Plastic Limit :- 29.53% Plasticity Index :- 3.47%	----	----
		II. Sieve Analysis	a) Silt and Clay by Sieve Analysis :- 39.600% b) Fine Sand :- 2.40% c) Medium Sand :- 21.00% d) Coarse Sand :- 14.20% e) Gravel :- 22.80%		
2.	Sand: (L.S.No.2796)	i) Silt & Clay by S.A. method :- 5.80% ii) Silt by sedimentation :- 5.128% iii) Fineness Modulus :- 2.16% iv) Grading Zone :- III			
	To be used for----	REMARK: The observed results are within the permissible limits of the coarse sand.			
3.	20 mm Size Aggregate:	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – --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. – -- m ³)	

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

Copy to: 1. The Assistant Engineer, o/o The Executive Engineer, Soil Conservation Division, Directorate of Agriculture, Krishi Bhavan, Tonca Caranzalem - Goa.
2. Q.C. Lab file 3. Bill File.

Junior Engineer

Assistant Engineer

