

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9602, 9603 /Lab/ 16 /2020-21

Dated: 15/ 05 / 2020.

Laboratory: Bicholim

Sand –T: 5013 , Cement: 1159.

Sub Div: V (QC)/WRD/Bicholim Goa.

Sub: Desilting of Rivulets /Poi, Agriculture fields and reconstruction of existing sluice in Savat Khazan and kharat khazan field at Shirgao in Bicholim Taluka.

Ref to requisition No: SDIII/WDVI/WRD/F. 36/2020-21/10 Dated: 11/05/2020.

Qty. Received: 1 bags each **Date of Receipt:** 12/05/2020 **Tested on:** 12 & 13/05/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3577,3578,3579 & 3580/SS **Lab. Sample No.:** 8619 To 8622 **Tested by:** Mrs. S. B. Naik Shirodkar.JE.
12.5mm size aggrt, cement.

R E P O R T 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: (L.S.No.8621)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.80% : - 5.81% : - 2.24 : - III		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: Ultratech cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week --, Month 02, Year'2020. CM/L = 7171789 Qty. rep. – _____.		i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.07 % ----- (It should not be more than 10%) : 32.50% (It should be in the neighborhood of 35%) : 105 minutes ---- (It should not be less than 30 minutes) : 245 minutes -- (It should not be more than 600 minutes)	
REMARK: The observed results are within the permissible limit for Ordinary Portland cement.					

Copy to: 1. The Assistant Engineer, SDIII, WDVI,WRD, Mulgao – Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.

3. Copy Submitted to The Executive Engineer, W.D. VI, WRD, Bicholim – Goa.

4. Q.C. Lab file

5. Bill File.

Junior Engineer

Assistant Engineer