

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9725, 9726 /Lab/ 193 /2020-21

Dated: 11/ 01 / 2020.

Laboratory: Bicholim

Sand –T: 5086 Cement-1215

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

Sub:- Improvement to nallah from Almeidas house to TRT Building at Bamonwado, Candolim in Calangute Constituency.

Ref to requisition No: S.D.II/W.D.I/WRD/F.24/20-21/365 Dated: 23/12/2020.

Qty. Received: 1 bags each **Date of Receipt:** 31/12/2020 **Tested on:** 06,07,08/01/2021 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 4594,4595, 4631, 4578/SS **Lab. Sample No.:** 9953 To 9956 **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.9955)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.81% : - 2.254 : - III		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week <u>52</u> , Month <u>12</u> , Year' <u>2020</u> . CM/L = <u>0003401033</u> Qty. rep. – _____. To be used for – _____.		i) Fineness of Cement : 1.12 % ii) Consistency of cement : 30.00% iii) Initial Setting Time : 175 minutes iv) Final Setting Time : 285 minutes	----- (It should not be more than 10%) (It should be in the neighborhood of 35%) ---- (It should not be less than 30 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, SDII, WDI,WRD Mapusa, 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. I, WRD Porvorim – Goa

4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer