

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9731, 9732 /Lab/ 220 /2020-21

Dated: 01/ 02 / 2021.

Laboratory: Bicholim

Sand –T: 5106 . Cement: T:1217

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

Sub: Improvement to Porio Bund in ward No 3 at Pomburpa in Aldona Constituency.

Ref to requisition No: WRD/WDI/SDII/F.24/20-21/407 Dated: 20/01/2021.

Qty. Received: 1 bags each **Date of Receipt:** 21/01/2021 **Tested on:** 23,25,31/01/2021& 01/02/2021 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 4776,4777, 4792, & 4778/SS **Lab. Sample No.:** 154 To 157 **Tested by:** Mrs. S. B. Naik Shirodkar.JE.
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.	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.156)	i) Silt & Clay by S.A. method : - ii) Silt by sedimentation : - iii) Fineness Modulus : - iv) Grading Zone : -	4.80% 4.54% 2.60 II		
REMARK: The observed results are within the permissible limits for coarse sand.					
4.	Cement: J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 03, Month 01, Year'2021. CM/L =0003401033 Qty. rep. – _____. To be used for –	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.08 % : 31.00% : 165 minutes : 315 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 – Goa.

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

3.Copy Submittedto The Executive Engineer, WDI ,WRD, Porvorim – Goa

4.Q.C.Lab file

5.Bill File.

Junior Engineer

Assistant Engineer