

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9608, 9609 /Lab/ 20 /2020-21

Dated: 20/ 05 / 2020.

Laboratory: Bicholim

Sand –T: 5017 , Cement: 1162.

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

Sub: Construction of protection wall and improvement to platform in ward No. VIII at Dhawaskarwada Karapur in V.P. Karapur Sarvan .

Ref to requisition No: SDI/WDVI/WRD/F.W. 224/2020-21/19 Dated: 07/05/2020.

Qty. Received: 1 bags each **Date of Receipt:** 14/05/2020 **Tested on:** 16, 18 & 19/05/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3595,3596,3604 & 3599/SS **Lab. Sample No.:** 8652 To 8655 **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.8654)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.00% : - 5.31% : - 2.30 : - 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 19, Month -05 Year'2020. CM/L = 0003401033 Qty. rep. – _____.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.12 % : 32.50% : 155 minutes : 270 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)	
To be used for – PCC&Laterite masonry in CM 1:4 REMARK: The observed results are within the permissible limit for Ordinary Portland cement.					

Copy to: 1. The Assistant Engineer, SDI, WDVI,WRD, Bicholim – 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