

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9735, 9736 /Lab/ 229 /2020-21

Dated: 09/02/ 2021.

Laboratory: Bicholim

Sand –T: 5099. Cement-1219

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

Sub:- Development of Poi in Survey No.169 near Fishing Jetty and Beautification of bund of River Chapora in V.P.Siolim in Siolim Constituency.

Ref to requisition No:- WRD/MI/WDI/SDI/F.57/2020-21/676 Dated: 28/01/2021.

Qty. Received: 1 bags each **Date of Receipt:** 28/01/2021 **Tested on:** 31/01/2021 & 01/02/2021 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. N:-**4861,4862, 4866 & 4844/SS **Lab. Sample No.:** 289 To 292 **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 1:1 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.291)	i) Silt & Clay by S.A. method : - ii) Silt by sedimentation : - iii) Fineness Modulus : - iv) Grading Zone : -	4.20% 5.31% 2.44 II		
	To be used for ----		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>03</u> , Month <u>01</u> , Year' <u>2020</u> . CM/L = <u>0003401033</u> Qty. rep. – _____. To be used for – _____.		i) Fineness of Cement : 1.28 % ii) Consistency of cement : 30.00% iii) Initial Setting Time : 145 minutes iv) Final Setting Time : 275 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, SDI, WDI,WRD,Porvorim – 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