

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9671, 9672 /Lab/ 141 /2020-21

Dated: 30/ 11/ 2020.

Laboratory: Bicholim

Sand –T: 5049 , Cement: 1189

Sub Div: V (QC)/WRD/Bicholim

Sub: Construction of farm Road from Main road to Agricultural Plots 25,26,27 & 28 allotted to project Affected people of the Anjunem Irrigation Project at Saleli (Phase I) in Sattari Taluka..

Ref to requisition No: F.174 /SDII/WDV/ WRD /AIP/ 152 /2020-21 Dated: 19/11/2020.

Qty. Received: 1 bags each **Date of Receipt:** 23/11/2020 **Tested on:** 25 & 26/11/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Aggr. Size 20.00, 12.50 mm, **O.S. No. :** 4274, 4275, 4282 & 4267/SS **Lab. Sample No.:** 9570 TO 9573 **Tested by:** Mrs. S. B. Naik Shirodkar. JE
Sand and 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.9572)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.20% : - 5.68 % : - 2.58 : - II		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: JK cement, bearing IS: 269 Ordinary Portland cement, Manuf. date: Week 47, Month 11, Year'2020. CM/L = 0003401033 Qty. rep. – _____ To be used –for CC1:2:4	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.06 % : 31.00% : 145 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)	
REMARK: The observed results are within the permissible limit for Ordinary Portland cement.					

Copy to:

1. The Assistant Engineer, SDII, WDV, Karapur Tisk, Sankhali - Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3. Copy Submitted to The Executive Engineer, W.D.V, WRD, Karapur Tisk, Sankhali – Goa.
4. Q.C. Lab file
5. Bill File.

Junior Engineer

Assistant Engineer