

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

Test Report No.: WRD/Q.C/F.6-4/ Cement-T:-1314/Lab/254/2021-22 **Dated:-** 06 / 01 /2022. **Laboratory:** Bicholim
Sand –T:-5225. Aggr-T:- 9953,9954 **Sub Div:** V(QC)/WRD/Bicholim Goa.

Sub:- Relining to canal of Sal distributor of LBMC. of TIP. from ch. 0.700 mts. to ch.0.800 mts. in Bicholim – Taluka.

Ref to requisition No:- _SD IV/WDVIII/WRD/F.419/2021-22/176 **Dated:** 30/12/2021.

Qty. Received: 1 bags each **Date of Receipt:** 31/12/2021 **Tested on:-**03,04 & 05 /01/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. No.**7266,7277,7267 & 7268/SS **Lab. Sample No.:** 2579 To 2582 **Tested by:** Mrs. S. B. Naik Shirodkar J.E.

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	Remark
1.	Cement: Jyoti Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W-51, M-12, Year-2021 CM/L =6031546 Qty. rep. – ____ --.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.25% : 30.00 % : 140 minutes : 300 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.					
2.	Coarse Sand: (L.S.No.2580)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.00% : - 4.87% : - 2.65% : - II		
REMARK:- The observed results are within the permissible limits of the coarse sand.					
3.	20 mm Size Aggregate:	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – --m ³)	
4.	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 therequired criteria for graded aggregate of 20 mm nominal size.					

Copy to: 1. The Assistant Engineer, SDIV, WDVIII, WRD, Dodamarg – Goa.

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

3. Copy Submitted to The Executive Engineer, WDVIII, WRD, Karaswada – Bardez – Goa

4. Q.C. Lab file 5. Bill

Junior Engineer

Assistant Engineer