

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

Test Report No.: WRD/Q.C. / F.6-4 /Aggr-T- 187,188/Lab/ 172 /2022-23 **Dated:** 15/10/2022. **Laboratory:** Bicholim-Goa
Sand –T: 5305, **Cement-T:** 1377 **Sub Div:** V (QC)/W.D.VIII/Bicholim Goa.

Sub: Construction of Sub minors along with its filed Channels and OT of tail minors of Revora – I Distributary of LBMC. Of TIP. at Village Nadora, Bardez Taluka.

Ref to requisition No.:- SDII/WDVIII/WRD/F.WF-166/2022-23/64 **Dated:** 11/10/2022.

Qty. Received: 1 bags each **Date of Receipt:** 12/10/2022 **Tested on:** 12,13 & 14/10/2022. **Ref to Specification:** CPWD 2009, Vol. I&IS: 4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 9371, 9372,9368,9369. **Lab. Sample No.:** 5288 To 5291 **Tested by:** Mrs. S.B. Naik Shirodkar J.E.
12.5mm size Aggr, Sand, and Cement

R E P O R T 01 OF 01

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remark
1.	<u>Cement:</u> JK Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W-41, M-10, Y- 2022 CM/L =_0003401033 Qty. rep. – ____ -- To be used for PCC work –	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.10 % ----- (It should not be more than 10%) : 33.50 % (It should be in the neighborhood of 35%) : 145 minutes ---- (It should not be less than 30 minutes) : 315 minutes -- (It should not be more than 600 minutes)		
					<u>REMARK:</u> The observed results are within the permissible limit for Ordinary Portland cement.
2.	<u>Course Sand :</u> (L.S.No.5289)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.80 % : - 6.09 % : - 2.28 % : - III		
					<u>REMARK:</u> The observed results are within the permissible limits of the Course sand.
3.	<u>20 mm Size Aggregate:</u>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – --m ³)	
4.	<u>12.5 mm Size Aggregate:</u>	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.

Copy to: 1. The Assistant Engineer, SD II, WD VIII, W.R.D. Thivim Bardez-Goa.

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

3. Copy Submitted to The Executive Engineer, W.D.VIII, W.R.D., Karaswada Bardez – Goa

4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer