

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

Test Report No.: WRD/Q.C/F.6-4/ Aggr-T:- 121,122/Lab/13/2022-23 Dated:- 06 / 04 /2022.

Laboratory: Bicholim

Sand –T:-5265. Cement-T:- 1349.

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

Sub:- Construction of outlet (OR-3) and field channels at Ch. 3.50 Km of Mencerum Distributory of LBMC at Village Advalpal and Pirna in Bicholim and Bardez Taluka.

Ref to requisition No:- WRD/WDVIII/SDVI/F.269/2021-22/166 Dated: 29/03/2022.

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

Sample:Sand,20mm, **O.S. No.** 8002,8003,8019 & 7983/SS **Lab. Sample No.:** 3706 To 3709 **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
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 1:2 by weight; it is satisfying therequired criteria for graded aggregate of 20 mm nominal size.					
2.	Coarse Sand: (L.S.No.3708)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.80% : - 5.40% : - 2.33% : - II		
REMARK:- The observed results are within the permissible limits of the coarse sand.					
1.	Cement: J.K. Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W-10, M-03, Year-2022 CM/L =0003401033 Qty. rep. – ____--. To be used for --	i)Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.12% : 31.00% : 155 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					

Copy to: 1. The Assistant Engineer, SDVI, WDVIII, WRD, Bicholim – 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 File.

Junior Engineer

Assistant Engineer