

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

Test Report No.: WRD/Q.C./ F.6-4 /Aggr-T-135,136 /Lab/33/2022-23 **Dated:** 13 / 04 /2022. **Laboratory:** Bicholim – Goa.
Sand –T:5273. Cement-T:1356. Sub Div: V(QC)/W.D.VIII/Bicholim Goa.

Sub: Construction of OT of Branch – 2 of Bastora Minor – 2 of LBMC of TIP at Village Bastora in Bardez Taluka.

Ref to requisition No.: -SDI/WDVIII/WRD/WF.53/2022-23/03 **Dated:** 04/04/2022.

Qty. Received: 1 bags each **Date of Receipt:** 05/04/2022 **Tested on:-** 09,10,11 & 16/04/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand,20mm, **O.S. No.** 8133, 8134, 8109 & 8194/S.S. **Lab. Sample No.:** 3757 to 3760 **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.	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 therequired criteria for graded aggregate of 20 mm nominal size.			
3.	Coarse Sand: (L.S.No.3759)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.26% : - 2.31% : - II		
		REMARK: The observed results are within the permissible limits of the Coarse & Fine sand.			
5.	Cement: J.K Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W,M -Invisible, Y-2022 CM/L =0003401033 Qty. rep. – ____--.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.13% : 32.00 % : 140 minutes : 285 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,WDVIII,WRD, Karaswada, 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, WDVIII, WRD, Karaswada, Bardez – Goa

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

Junior Engineer

Assistant Engineer