

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9815,9816 /Lab/01/2021-22 **Dated:** 15/ 04/2021. **Laboratory:** Bicholim
Sand –T: 5137. Cement-1246 **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: Construction of protection wall for nallah bank in Sy.No. 1,3,4,16 in V.P.Oxel in Siolim Contituency.

Ref to requisition No: WRD/M.I/WDI/SDI/F.57/20-21/765 **Dated:** 30/03/2021.

Qty. Received: 1 bags each **Date of Receipt:** 05/04/2021 **Tested on:** 06,07&08/04/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.:** 5762, 5763, 5790 & 5764 /SS **Lab. Sample No.:** 1088 To 1091 **Tested by:** Mrs. Shirodkar. JE.
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	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 1:1 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.1090)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.00% : - 4.54% : - 2.44 : - III		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week -, Month -, Year' 2021 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	: 1.08% : 31.00% : 165 minutes : 315 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, WDI, WRD, Porvorim – Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3. Copy Submitted to The Executive Engineer, W.D.I, WRD, Porvorim – Goa
4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer