

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9937,9938/Lab/239/2021-22 **Dated:** 03 / 01 /2022 .

Laboratory: Bicholim

Sand –T:5215 Cement-T: 1306

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

**Sub:- Stabilization of Hillslope by construction of retaining wall near the house of Arjun Asolkar at Montepio, Altinho,
Panaji Goa.**

Ref to requisition No:- SDIV/WDI/WRD/F.38/2021-22/580 **Dated:** 13/12/2021.

Qty. Received: 1 bags each **Date of Receipt:** 15/12/2021 **Tested on:** 17,18 & 20/12/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. N:-** 7200,7201,7208 & 7198/SS **Lab. Sample No.:** 2479 To 2482 **Tested by:** Mrs. S.B. Naik Shirodkar.JE.
12.5mm size aggrt., Coarse Sand, 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.	Coarse Sand: (L.S.No.2481)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.60% : - 5.12% : - 2.27 : - III		
To be used for----. 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: W-48, M- 11, Year-2021 CM/L = Qty. rep. –.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.25 % : 31.00 % : 165 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)	
To be used for –. REMARK: The observed results are within the permissible limit for Ordinary Portland cement.					

Copy to: 1. The Assistant Engineer, SDIV, 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