

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-153,154/Lab/55/2022-23 **Dated:-** 30 / 04 /2022.

Laboratory: Bicholim - Goa

Sand –T:5285. Cement-T:1365.

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

Sub:- Protection and Stabilization of hill slope near Our Lady of Penha De-Franca, in Porvorim Constituency.

Ref to requisition No:- SDI/WDI/WRD/F.57/22-23/13 **Dated :-** 11/04/2022

Qty. Received: 1 bags each **Date of Receipt:** 25/04/2022 **Tested on:** 25,26 & 27/04/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. N:-** 8377,8378,8394 & 8358/SS **Lab. Sample No.:** 4037 to 4040 **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	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 therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Coarse Sand: (L.S.No.4039)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.20% : - 5.40% : - 2.80% : - II		
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-15, M-04, Year-2022 CML =0003401033 Qty. rep. –.		i) Fineness of Cement : 1.05% ii) Consistency of cement : 32.00% iii) Initial Setting Time : 160 minutes iv) Final Setting Time : 315 minutes	: 1.05% ----- (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, 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