

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9833, 9834 /Lab/33/2021-22 **Dated:** 26/04/2021. **Laboratory:** Bicholim
Sand –T: 5148. Cement-1255 **Sub Div: V (QC)/WRD/Bicholim Goa.**

Sub: Improvement to the Nallah behind Hotel Terra Pariaso at Gaura Vaddo Calangute in Calangute Constituency.

Ref to requisition No.: -SDII/WDI/WRD/F.24/21-22/12 **Dated:** 15/04/2021.

Qty. Received: 1 bags each **Date of Receipt:** 16/04/2021 **Tested on:** 24,25& 26/04/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 5976, 5977, 5979 & 5985/SS **Lab. Sample No.:** 1224 To 1227 **Tested by:** Mrs. S. B. Naik 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 therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.1226)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.60% : - 5.10% : - 3.97 : - I		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: JK.Cement, bearing IS:489(Fly ash based) Portland Pozzolana cement, Manuf. date: Week15, Month 04, Year' 2021 CM/L =0003315848 Qty. rep. – To be used for –	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.19% : 33.00% : 210 minutes : 350 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 Portland Pozzolana cement.					

Copy to: 1. The Assistant Engineer, SDII, WDI, WRD, Mapusa-Bardez – 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