

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T-127,128/Lab/24/2022-23 **Dated:-** 11 / 04 /2022.

Laboratory: Bicholim - Goa

Sand –T:5268. Cement-T:1352.

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

Sub:- Improvement to Nallahs in fields from Ashok Satardekar house upto Sy. No 69 in ward No IV and Gurudas Mandrekar House to main Nallah at Carrem in Village Panchayat Socorro in Porvorim Constituency.

Ref to requisition No:- SDI/WDI/WRD/F.57/22-23/02

Dated :- 01/04/2022

Qty. Received: 1 bags each **Date of Receipt:** 04/04/2022 **Tested on:** 06,07 & 08/04/2022

Ref to Specification: CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. N:-** 8063,8064,8049 & 8050/SS **Lab. Sample No.:** 3744 to 3747

Tested by: Mrs. S.B. Naik Shirodkar.J.E.

12.5mm size aggrt., 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 therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Coarse Sand: (L.S.No.3746)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.80% : - 5.00% : - 2.69% : - 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-14, M-04, Year-2022 CM/L =0003401033 Qty. rep. –.		i) Fineness of Cement : 1.12% ii) Consistency of cement : 31.00% iii) Initial Setting Time : 160 minutes iv) Final Setting Time : 300 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, 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