

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9967,9968/Lab/265/2021-22 **Dated:-** 19 / 01 /2022.

Laboratory: Bicholim

Sand –T:-5234. Cement-T:- 1321.

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

Sub:- Improvement to waterways by constructing retaining wall in the field of Shri. Datta Budho Gawas in Sy. No. 39/8 at Village Zarme in V. P. Mauxi in Sattari Taluka.

Ref to requisition No:- MIN/WDVI/WRD/SDII/f.62/21-22/391

Dated: 07/01/2022.

Qty. Received: 1 bags each **Date of Receipt:** 14/01/2022

Tested on:-15,17 & 18 /01/2022

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

Sample:Sand,20mm, **O.S. No.**7347,7348,7386 & 7376/SS

Lab. Sample No.: 2714 To 2717

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	Remark
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 1:2 by weight; it is satisfying therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Coarse Sand: (L.S.No.2716)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.12% : - 2.69% : - II		
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- 02, M- 01, Year-2022 CM/L =0003401033 Qty. rep. – ____--.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.28% : 31.50% : 170 minutes : 325 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, SDII,WDVI,WRD, Valpoi – Sattari – Goa.

2. Copy Submitted to The Superintending Engineer, CPO, WRD, Sanchai Bhavan, Porvorim – Goa for kind information.

3. Copy Submitted to The Executive Engineer, WDVI, WRD, Bicholim – Goa

4. Q.C. Lab file 5. Bill file.

Junior Engineer

Assistant Engineer