

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9614, 9615 /Lab/ **23** /2020-21

Dated: 23/ 05 / 2020.

Laboratory: Bicholim

Sand –T: 5021 , Cement: 1164.

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

Sub: Construction of protection wall to the Kudso River at Parsekarwada in Sy.No. 12/1 and 6/3 in V.P. Querim in Sattari Taluka.

Ref to requisition No: SDIV/WDVI/WRD/F. 50/2020-21/07 Dated: 15/05/2020.

Qty. Received: 1 bags each **Date of Receipt:** 15/05/2020 **Tested on:** 19, 20 & 21/05/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3622,3623,3649 & 3626/SS **Lab. Sample No.:** 8660 To 8663 **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 1:2 by weight; it is satisfying the required criteria for graded aggregate of 20 mm nominal size.					
3.	Course Sand: (L.S.No.8662)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.80% : - 5.55% : - 2.21 : - III		
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: Week <u>19</u> , Month <u>-05</u> Year' <u>2020</u> . CM/L = <u>0003401033</u> Qty. rep. – _____.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.01 % : 31.50% : 155 minutes : 280 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, WDVI,WRD, Bicholim – Goa.

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

3. Copy Submitted to The Executive Engineer, W.D. VI, WRD, Bicholim – Goa.

4. Q.C. Lab file

5. Bill File.

Junior Engineer

Assistant Engineer