

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

Test Report No.: WRD/Q.C./F.6-4/ Aggr -T- 9594, 9595 /Lab/ 495 /2019-20

Dated: 20/ 03 / 2020.

Laboratory: Bicholim –Goa.

Sand –T: 5009 , Cement: 1156.

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

Sub: Construction of open Irrigation Well in the field of Shri. Hussain Hassan Shah, in Sy. No. 12/2 at Ansolim V.P. Bhironda in Sattari Taluka.

Ref to requisition No: SDII/WDVI/WRD/F. 62/2019-20/466 Dated: 17/03/2020.

Qty. Received: 1 bags each **Date of Receipt:** 18/03/2019 **Tested on:** 19 & 20/03/2020 **Ref to Specification:** CPWD 2009, Vol. I & IS:4031-4-1968

Sample: Sand ,20mm, **O.S. No.** 3522,3523, 3526 & 3510/SS **Lab. Sample No.:** 8436 To 8439 **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.	Coarse Sand: (L.S.No.8438)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.40% : - 5.20% : - 2.24 : - III		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: J.K Super cement, bearing IS:269 Ordinary Portland Cement, Manuf. date: Week 10, Month 03, Year'2020. CM/L = 0003401033 Qty. rep. – _____.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.01 % : 32.00 % : 150 minutes : 285 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 – For Concrete Work. 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, 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