

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9813, 9814 /Lab/322/2020-21 **Dated:** 05/ 04/2021. **Laboratory:** Bicholim
Sand –T: 5136. Cement-1245 **Sub Diy: V (QC)/WRD/Bicholim Goa.**

Sub: Construction of Irrigation Well in the field bearing Survey No.3/1 at Panshe, Village Panchayat Pissurlem in Sattari Taluka.

Ref to requisition No:- SDIV/WDVI/WRD /F.50/20-21/225 **Dated:** 30/03/2021.

Qty. Received: 1 bags each **Date of Receipt:** 30/03/2021 **Tested on:** 01&02/04/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 5714, 5715, 5730 & 5702/SS **Lab. Sample No.:** 1069 To 1072 **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 the required criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.1071)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.80% : - 4.65% : - 2.28 : - III		
REMARK: The observed results are within the permissible limits of the coarse sand.					
4.	Cement: Ultrarech.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week_, Month _, Year' <u>2021</u> . CM/L = <u>7171769</u> Qty. rep. –.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.19% : 32.00% : 185 minutes : 310 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