

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9989,9990/Lab/298/2021-22 **Dated:-** 11 / 02 /2022.

Laboratory: Bicholim

Sand –T:-5247. Cement-T:- 1331.

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

Sub:- Construction of Irrigation well in the field of Shri Santosh Vishnu Kurtarkar in Sy. No. 30/1 at Valpoi Municipal Council in Sattari Taluka.

Ref to requisition No:- MIN/WDVI/WRD/SDII/f.62/21-22/421 **Dated :-** 02/02/2022

Qty. Received: 1 bags each **Date of Receipt:** 03/02/2022 **Tested on:-**07,08 & 09 /01/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. No.**7593,7594,7613 & 7583/SS **Lab. Sample No.:** 2878 To 2881 **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.2880)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.60% : - 5.55% : - 2.56% : - 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- 05, 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	: 1.23% : 32.50% : 155 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)	
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