

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9977,9978/Lab/287/2021-22 **Dated:** 05/02 /2022. **Laboratory:** Bicholim
Sand –T: 5241 Cement-T: 1327 **Sub Div: V (QC)/WRD/Bicholim Goa.**

Sub:- Development to the Samplachi Bai (Well) near Dukorkond by construction of protection wall to the Kusdo River and Nallah at Parsekarwada V.P. Keri in Sattari Taluka.

Ref to requisition No:- F.50/SDIV/WDVI/WRD/2021-22/215 **Dated :-** 10/01/2022

Qty. Received: 1 bags each **Date of Receipt:** 24/01/2022 **Tested on:** 29,30 & 31/01/2022 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. N:-** 7538,7539,7543 & 7523/SS **Lab. Sample No.:** 2809 To 2812 **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	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.2811)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.80% : - 5.55% : - 2.18% : - III		
To be used for----. 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- -, 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	: 1.29% : 33.00% : 170 minutes : 320 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