

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9897, 9898 /Lab/ 193 /2021-22 **Dated:** 26/10/2021. **Laboratory:** Bicholim
Sand –T: 5187 &5188. Cement-1286 **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub:-Construction of canal crossing at ch18.87 km of RBMC of karapur village in bicholim Taluka

Ref to requisition No:-F.174/WRD/WDV/SDII/AIP/95/2021-22 **Dated:** 18/10/2021.

Qty. Received: 1 bags each **Date of Receipt:** 18/10/2021 **Tested on:** 19,22,23 &24/10/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. N:-**7025,7025,7033,7035, &7029 /SS **Lab. Sample No.:** 2282 To 2286 **Tested by:** Mrs. 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.	20.00 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.2284)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.60% : - 5.40% : - 2.67 : - II	4. Sand: (L.S.No.2285)	i) Silt & Clay by S.A. method : - 5.60% ii) Silt by sedimentation : - 5.31% iii) Fineness Modulus : - 1.99 iv) Grading Zone : - IV
5.	To be used for----. Cement: JK.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: W- 40 M- 10, Year'2021 CM/L =0003401033 Qty. rep. –.	REMARK: The observed results are within the permissible limits of the coarse And fine sand. i) Fineness of Cement : 1.20% ii) Consistency of cement : 31.00% iii) Initial Setting Time : 190 minutes iv) Final Setting Time : 315 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, SDII, WDV WRD, Karapur tisk -Sankhali – Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3. Copy Submitted to The Executive Engineer, W.D. V WRD, Karapur Tisk-Sankhali – Goa
4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer