

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9835, 9836 /Lab/ **36/ 2021-22** Dated:28/04/2021. **Laboratory:** Bicholim
Sand –T: 5149. Cement: T:1256 **Sub Div: V (QC)/WRD/Bicholim Goa.**

Sub:Construction of Tail Minor, DO's, WC's and FC's of B/4 distributary and DWC 19L off taking at Ch.18.005km of RBMC of TIP at village Dhargal in Pernem Taluka

Ref to requisition No: SD IV/WDVII/WRD/F.10/21-21/02 Dated: 08/04/2021.

Qty. Received: 1 bags each **Date of Receipt:** 17/04/2021 **Tested on:** 26 & 27/04/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:Sand,20mm, **O.S. No.**1250,1251,5991,5992/SS **Lab. Sample No.:** 1250 To1253 **Tested by:** Mrs. Shirodkar.JE.
12.5mm size aggrt.

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 therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.1252)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.40% : - 5.55 % : - 2.68 : - 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: Week14, Month 04, Year'2021. CM/L =0003401033 Qty. rep. –.	i)Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.08% : 32.00% : 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 – PCC 1:2:4 & RCC 1:1.5:3 REMARK: The observed results are within the permissible limits of the coarse sand.					

Copy to: 1. The Assistant Engineer, SDIV, WDVII,WRD, Dhargal -Pernem – Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3.Copy Submittedto The Executive Engineer,WDVII ,WRD, Dhargal -Pernem – Goa
4.Q.C.Lab file 5.Bill File.

Junior Engineer Assistant Engineer