

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9791, 9792 /Lab/290/2020-21 **Dated:** 10/ 03/2021. **Laboratory:** Bicholim
Sand –T: 5118. Cement-1231 **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: Improvement to the MaharTali at Deulwada, V.P.Corgao in Pernem Taluka in Pernem Constituency.

Ref to requisition No:- MI/SDIII/WDI/WRD/F-58/2020-21/413 **Dated:** 02/03/2021.

Qty. Received: 1 bags each **Date of Receipt:** 02/03/2021 **Tested on:** 05,06,08 & 09/03/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.** 5292,5293,5342&5269/SS **Lab. Sample No.:** 698 To701 **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 therequired criteria for graded aggregate of 20 mm nominal size.					
3.	Sand: (L.S.No.700)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.00% : - 4.44% : - 2.57 : - II		
	To be used for –	-----.	REMARK: The observed results are within the permissible limits of the coarse sand.		
4.	Cement: JK Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 05, Month 02, Year' 2021. CM/L = <u>0003401033</u> Qty. rep. –.		i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.08% ----- : 30.00% (It should be in the neighborhood of 35%) : 165 minutes ---- : 310 minutes --	(It should not be more than 10%) (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, SDIII, WDI, WRD, Pernem – Goa.
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.
3. Copy Submitted to The Executive Engineer, W.D. I, WRD, Porvorim – Goa
4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer