

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

Test Report No.: WRD/Q.C./F.6-4/Aggr-T- 9801,9802 /Lab/311/2020-21 **Dated:** 24/ 03/2021. **Laboratory:** Bicholim
Sand –T: 5127. Cement-1237 **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub: Construction of DWCs and FCs and Dos of B7 distributory of RBMC of TIP in Dhargal village of Pernem Taluka.

Ref to requisition No: WRD/SD-IV/WD-VII/F.10/20-21/145 **Dated:** 03/03/2021.

Qty. Received: 1 bags each **Date of Receipt:** 16/03/2021 **Tested on:** 18&19/03/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample: Sand, 20mm, **O.S. No.:** 5490, 5491, 5519 & 5467 /SS **Lab. Sample No.:** 855 To 858 **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 the required criteria for graded aggregate of 20 mm nominal size.			
3.	Sand: (L.S.No.857)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.68% : - 2.20 : - 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: Week <u>11</u> , Month <u>03</u> , Year' <u>2021</u> CM/L = <u>0003401033</u>		i) Fineness of Cement : 1.11% ii) Consistency of cement : 31.00% iii) Initial Setting Time : 165 minutes iv) Final Setting Time : 295 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)	
	Qty. rep. – To be used for – -----	REMARK: The observed results are within the permissible limit for Ordinary Portland cement.			

- 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 Submitted to The Executive Engineer, W.D. VII, WRD, Dhargal-Pernem – Goa
4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer