

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

**Test Report No.:** WRD/Q.C./F.6-4/Aggr-T- 9861, 9862/Lab/ 86 /2021-22    **Dated:** 28/05/2021.    **Laboratory:** Bicholim

**Sand –T: 5164. Cement-1268**

**Sub Div: V (QC)/WRD/Bicholim Goa.**

**Sub:-Construction of field channels (extension)F/C-1 of OL-2 of Sangolda Minor of Calangute Distributory of LBMC of TIP of Sangolda village in Bardez Taluka.**

**Ref to requisition No:** SDI/WDVIII/WRD/W.F.58/2021-22/24    **Dated:** 20/05/2021.

**Qty. Received:** 1 bags each    **Date of Receipt:** 24/05/2021    **Tested on:** 24,25 & 26/05/2021    **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

**Sample:**Sand,20mm,    **O.S. No.**6286,6287,6293,6300/SS    **Lab. Sample No.:** 1601 To 1604    **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.	<b>20 mm Size Aggregate:</b>	Particle size distribution:	It is single sized aggregate of 20 mm nominal size.	(Qty. rep. – --m <sup>3</sup> )	
2.	<b>12.5 mm Size Aggregate:</b>	Particle size distribution:	It is not single sized aggregate of 12.5 mm nominal size.	(Qty. rep. – -- m <sup>3</sup> )	
<b>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.</b>					
3.	<b>Sand:</b> (L.S.No.1603)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 4.60% : - 5.55% : - 3.26% : - I		
<b>REMARK: The observed results are within the permissible limits of the coarse sand.</b>					
4.	<b>Cement:</b> Jyoti Strong Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 17, Month 05, Year'2021. CM/L =6894808 Qty. rep. – To be used for – -----	i)Fineness of Cement ii)Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.32% : 32.00% : 160 minutes : 290 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)	
<b>REMARK: The observed results are within the permissible limit for Ordinary Portland cement.</b>					

- Copy to: 1. The Assistant Engineer, SDI, WDVIII,WRD Karaswada-Bardez – Goa.  
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.  
3. Copy Submitted to The Executive Engineer, W.D.VIII, WRD Karaswada-Bardez – Goa  
4. Q.C. Lab file    5. Bill File.

**Junior Engineer**

**Assistant Engineer**