

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

**Test Report No.:** WRD/Q.C./F.6-4-Sand –T: 5168 .Cement-1272/ /Lab/ 115/ 2021-22 Dated: 21/ 06 /2021. **Laboratory:** Bicholim  
**Sub Div:** V (QC)/WRD/Bicholim Goa.

**Sub:** Improvement to Compound Wall of TIP Complex W.R.D.Karaswada-Bardez-Goa.

**Ref to requisition No:** SDIII/WDVIII/WRD/W.F.75/2021-22/64 Dated: 11/06/2021.

**Qty. Received:** 1 bags each **Date of Receipt:** 14/06/2021 **Tested on:** 14,15 & 16/06/2021 **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

**Sample:** Sand , **O.S. No.** 6505,6506 /SS **Lab. Sample No.:** 1860 & 1861 **Tested by:** Mrs. Shirodkar.JE.

Cement

**R E P O R T 01 OF 01**

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remark
1.	<b>Sand:</b> (L.S.No.1860)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	: - 5.40% : - 5.55% : - 1.79 : - IV		<b>REMARK:</b> The observed results are within the permissible limits of the Fine sand.
2.	<b>Cement:</b> JK.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date:W/M-Invisible CM/L = Qty. rep. – To be used for –		i) Fineness of Cement : 1.17% ii) Consistency of cement : 32.00% iii) Initial Setting Time : 175 minutes iv) Final Setting Time : 305 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:</b> The observed results are within the permissible limit for Ordinary Portland cement.

- Copy to: 1. The Assistant Engineer, SDIII, 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**