

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

Test Report No.: WRD/Q.C./F.6-4/ Sand –T:- 5401.Cement-T:- 1457/Lab/136/2023-24 **Dated:-17/07/2023.**

Laboratory: Bicholim-Goa

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

Sub:- Providing and fixing vitrified floor tiles to Circle Office, Division VIII, SLAO, Forest Office and CADA building at T.I.P Complex, Karaswada Bardez Goa.

Ref to requisition No:- SDIII/WDVIII/WRD/WF.14/2023-24/69 **Dated :-** 05/07/2023

Qty. Received: 1 bags each **Date of Receipt:-** 10/07/2023 **Tested on:-** 12,13,14 & 15/07/2023. **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968

Sample:- Sand and Cement. **O.S. NO:-** 1130 & 1105/SS. **Lab. Sample No :-** 7692 & 7693 **Tested by:-** Mrs. S. B. Naik Shirodkar J.E.

R E P O R T 01 OF 01

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	Coarse Sand: (L.S.No.7692)	i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone	:- 4.10% :- 4.08% :- 3.33% :- I		
		REMARK: The observed results are within the permissible limits of the Coarse sand.			
2.	Cement: Jyoti 43 Grade Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: W-27,M-07,Y-2023 CM/L = 6894808 Qty. rep. –.	i) Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	:- 1.19% :- 30.00% :- 175 minutes :- 330 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 -	REMARK: 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, WDVIII, WRD, Karaswada Bardez– Goa.

4. Q.C. Lab file 5. Bill File.

Junior Engineer

Assistant Engineer