GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DFEPARTMENT

Test Report No.: WRD/Q.C./F.6-4/ Sand –T: 5175. Cement-1276 /Lab/**162**/2021-22   **Dated:** 20/ 07/2021.   **Laboratory:** Bicholim

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

Sub: Construction of Septic tank to C-type quarter at TIP complex at Karaswada Bardez Taluka.
Ref to requisition No:- SDIII/WDVIII/WRD /W.F.77/21-22/92   Dated: 08/07/2021.
Qty. Received: 1 bags each   **Date of Receipt**: 15/07/2021   **Tested on**:17,18,19/07/2021   **Ref to Specification:** CPWD 2009, Vol. I&IS:4031-4-1968
Sample: Sand, Cement, **O.S. No.**6863,6854/SS   **Lab. Sample No**.: 2127 & 2128   **Tested by**: Mrs. Shirodkar.JE.

R E P O RT 01 OF 01

Sr. No.	Description of sample	Tested for	Results	Max. /Min. value permissible	Remarks
1.	**Sand:** (L.S.No.2127)	i) Silt & Clay by S.A. method : -	4.20%		
		ii) Silt by sedimentation : -	5.68%		
		iii) Fineness Modulus : -	2.15		
		iv) Grading Zone : -	III		

REMARK: The observed results are within the permissible limits of the coarse sand.

Sr. No.	Description of sample	Tested for	Results	Remarks
2.	**Cement:** Ultratech.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: Week 22, Month 06, Year'2021. CM/L =7088883 Qty. rep. –.	i)Fineness of Cement	: 1.08%	---------- (It should not be more than 10%)
		ii)Consistency of cement	: 32.00%	(It should be in the neighborhood of 35%)
		iii)Initial Setting Time	: 185 minutes	---- (It should not be less than 30 minutes)
		iv)Final Setting Time	: 330 minutes	-- (It should not be more than 600 minutes)

To be used for –1:2:4 & 1:1.5:3 Mix Concrete **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, W.D.VIII, WRD, Karaswada-Bardez – Goa
4. Q.C. Lab file   5. Bill File.

Junior Engineer   **Assistant Engineer**