

**QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

**Test Report No.:** WRD/Q.C./F.6-3/Soil. T:- 1535,1536 & 1537/Lab/314/2021-22 Dated: 26/ 02 /2022.  
Cement. T:- 1337

**Laboratory:** Bicholim  
**Sub Division:** V (QC)/WRD/Bicholim

**Sub.:** Strengthening to the bund "Cava Casana" at Chorao in Tiswadi Taluka.

**Ref to requisition No.:** 3-Tech/F.4(Tis)/05/SCD/D.Agr/2021-22/905 dt:-07/02/2022

**Qty. Received:** ½ bag Soil. **Date of Receipt:** 17/02/2022 **Tested on:** 21 & 22/02/2022 **Ref to IS/CPWD Specification:** IS: 2720, Part IV,V, 1985,4031,1968

**Sample of:** Soil,Cement **O.S. No. :** 123,124,125 & 126/R.K. **Lab. Sample No.:** 3043 & 3044 **Tested by:** Mrs. R.R.Kadam A.E.

**R E P O R T 01 OF 1**

Sr. No.	Description of sample	Tested for	Results	Max./Min. value permissible	Remarks
1.	<b>Soil:</b> (L.S.No.3043)	<b>I) Plasticity Index.</b>	Liquid Limit :- 34.75 % Plastic Limit :- 29.68 % Plasticity Index :- 5.07 %	----	----
		<b>II. Sieve Analysis</b>	a) Silt and Clay by Sieve Analysis :- <b>25.80%</b> b) Fine Sand :- <b>1.20%</b> c) Medium Sand :- <b>14.80%</b> d) Coarse Sand :- <b>18.60%</b> e) Gravel :- <b>39.60%</b>		
2.	<b>Cement:</b> J.K.Cement, bearing IS:269 Ordinary Portland cement, Manuf. date: W-07, M-02, Year-2022 CM/L =0003401033 Qty. rep. –.	i)Fineness of Cement ii) Consistency of cement iii) Initial Setting Time iv) Final Setting Time	: 1.20% : 30.00% : 165 minutes : 320 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 –	<b>REMARK: The observed results are within the permissible limit for Ordinary Portland</b>			

Copy to: 1. The Assistant Engineer, o/o The Executive Engineer, Soil Conservation Division, Directorate of Agriculture, Krishi Bhavan, Tonca Caranzalem - Goa.  
2. Q.C. Lab file 3. Bill File.

**Assistant Engineer**