

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/Q / F. 6-2/ Cube -T :- 6174,6181,6182,6183,6199,6212,6228/Lab/289/2022 - 23 Dated:- 23/02/2023.

Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : - Construction of Protection wall on Valvanti River in property bearing Sy. No. 75/1, at Tulshimal, Poriem in Sattari Taluka.

Ref. to Requisition No : F.50/SDIV/WDVI/WRD/2022-23/189 dated :-13/02/2023.

Qty. Recived. : 07 Sets of cubes Date of Receipt:- 13/02/2023 Tested on: - 15,16,17,18 & 20/02/2023

Ref to CPWD :2009, Vol. I

Sample: Cube **Mix 1:2:4** O.S No: 955,956,957/RK & 203,215,228,244/SS . Lab. Sample No: 6206 To 6212

Tested By: Mrs. R.R. Kadam A.E. & Mrs. S.B. Naik Shirodkar J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 18/01/2023. For 4th Lift Ch. 15.00 to 30.00 mt.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 13.50 m3
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 19/01/2023. For Foundation Ch. 85.00 to 98.00 mt.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	24.77	Qty represents - 47.32 m3 for three sets of cube.
			271.83	Kg/Cm ²			
			255.97	Kg/Cm ²			
		Average	262.02	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 19/01/2023. For Foundation Ch. 85.00 to 98.00 mt.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	8.95	-----do-----
			217.47	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 19/01/2023. For Foundation Ch. 85.00 to 98.00 mt.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	15.78	-----do-----
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	243.14	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix 1:2:4 , cast on 20/01/2023. For 3rd Lift Ch. 60.00 to 70.00 mt.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	16.86	Qty represents - 13.50 m3
			240.12	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 21/01/2023. For 4th Lift Ch. 30.00 to 50.00 mt.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	22.61	Qty represents - 18.00 m3
			246.91	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	257.48	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 23/01/2023. For 4th Lift Ch. 50.00 to 70.00 mt.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents - 18.00 m3
			260.51	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	254.46	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD IV , WD VI, WRD, Sarvan Bichoilm - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WD VI, WRD, Sarvan Bichoilm - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer