

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7373,7374,7389,7390,7396/Lab/**122**/2023 - 24 Dated:- 03/07/2023.
7397,7410,7411,7418,7427.

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

Name of work : Construction of Protection wall to the Kalti River Passing through Survey No. 196/10 & 196/8 at Gadowada Querim in V.P. Querim Sattari Taluka.

Ref. to Requisition No : F.50/SDIV/WDVI/WRD/2023-24/38. Dt.:- 17/06/2023

Qty. Recived : **10** Sets of cube Date of Receipt:- 23/06/2023. Tested on:- 23,24,25,26,27 & 28/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1541/RK & 985,986,1004,1005,1011,1012,1026,1027,1033/SS. Lab. Sample No: 7581 to 7590

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

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Sr. No.	Description of Sample	Tested For	Results		Max./Min.Value permissible	% above or below	Remark
1	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. For Foundation Ch. 0.00 to 23.00 mt.	28 th day compressive strength Average	219.73	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 47.00 m3 for two sets of cube.
			208.40	Kg/Cm ²			
			224.26	Kg/Cm ²			
			217.47	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. For Foundation Ch. 0.00 to 23.00 mt.	28 th day compressive strength Average	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.51	--do--
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
			225.77	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. For Foundation Ch. 23.00 to 46.50 mt.	28 th day compressive strength Average	231.06	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 48.00 m3 for two sets of cube.
			219.73	Kg/Cm ²			
			215.20	Kg/Cm ²			
			222.00	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. For Foundation Ch. 23.00 to 46.50 mt.	28 th day compressive strength Average	231.06	Kg/Cm ²	210.00 Kg/cm ²	13.62	--do--
			244.65	Kg/Cm ²			
			240.12	Kg/Cm ²			
			238.61	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 28/05/2023. For 1st Lift Ch. 2.00 to 46.50 mt.	28 th day compressive strength Average	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 42.00 m3 for two sets of cube.
			212.93	Kg/Cm ²			
			215.20	Kg/Cm ²			
			220.49	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1:2:4 , cast on 28/05/2023. For 1st Lift Ch. 2.00 to 46.50 mt.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 42.00 m3 for two sets of cube.
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 29/05/2023. For 2nd Lift Ch. 0.00 to 46.50 mt.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 33.48 m3 for two sets of cube.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 29/05/2023. For 2nd Lift Ch. 0.00 to 46.50 mt.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.23	--do--
			212.93	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 30/05/2023. For 3rd Lift Ch. 0.00 to 46.50 mt.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 26.00 m3.
			208.40	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 31/05/2023. For 4th Lift Ch. 0.00 to 46.50 mt.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 11.00 m3.
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	231.06	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDIV, WDVl, WRD, Sarvan, Bicholim - Goa.
2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.
3. Copy submitted to The Executive Engineer, WDVl, WRD, Sarvan, Bicholim - Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer