

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7505,7512,7513,7517,7518/Lab/**138**/2023 - 24 Dated:- 19/07/2023.
7522,7523,7528,7529,7531.

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

Name of work : Construction of protection wall for nallah bank in Sy. No. 130/2, 131/1 and 131/3 from downstream of road bridge of Village Poriem in Sattari Taluka.

Ref. to Requisition No : F.50/SDIV/WDVI/WRD/2023-24/61. Dt.:- 06/07/2023

Qty. Recived : **10** Sets of cube Date of Receipt:- 11/07/2023. Tested on:- 11,12,13,14,15 & 16/07/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1103,1111,1112,1116,1117,1121,1122,1127,1128,1131/SS. Lab. Sample No: 7694 to 7703 Tested By: 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 13/06/2023. For Foundation (R.H.S) Ch. 80.00 to 90.00.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 10.50 m3.
			231.06	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	221.24			
2	Cement concrete cube of mix 1:2:4 , cast on 14/06/2023. For Foundation (R.H.S) Ch. 90.00 to 115.00. Foundation (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 38.00 m3 for two sets of cube.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	216.71			
3	Cement concrete cube of mix 1:2:4 , cast on 14/06/2023. For Foundation (R.H.S) Ch. 90.00 to 115.00. Foundation (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	6.07	--do--
			224.26	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	222.75			
4	Cement concrete cube of mix 1:2:4 , cast on 15/06/2023. For 1st Lift (R.H.S) Ch. 80.00 to 115.00. 1st Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 40.50 m3 for two sets of cube.
			237.85	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	224.26			
5	Cement concrete cube of mix 1:2:4 , cast on 15/06/2023. For 1st Lift (R.H.S) Ch. 80.00 to 115.00. 1st Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	6.07	--do--
			215.20	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	222.75			

Junior Engineer

Assistant Engineer

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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 16/06/2023. For 2nd Lift (R.H.S) Ch. 80.00 to 115.00. 2nd Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 32.50 m3 for two sets of cube.
			237.85	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 16/06/2023. For 2nd Lift (R.H.S) Ch. 80.00 to 115.00. 2nd Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.59	--do--
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 17/06/2023. For 3rd Lift (R.H.S) Ch. 80.00 to 115.00. 3rd Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 24.50 m3 for two sets of cube.
			219.73	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 17/06/2023. For 3rd Lift (R.H.S) Ch. 80.00 to 115.00. 3rd Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.39	--do--
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 18/06/2023. For 4th Lift (R.H.S) Ch. 80.00 to 115.00. 4th Lift (L.H.S) Ch. 120.00 to 130.00.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 11.00 m3.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDIV, WDV, 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, WDV, WRD, Sarvan, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer