

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7268,7269,7281,7282,7298/Lab/**107**/2023 - 24 Dated:- 23/06/2023.
7299,7319,7320,7328,7329.

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/2023-24/33. Dt.:- 31/05/2023

Qty. Received : **10** Sets of cube Date of Receipt:- 01/06/2023. Tested on:- 16,17,19,20 & 21/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1517,1518/RK & 894,895,907,908,925,926,947,948/SS. Lab. Sample No: 7303 to 7312

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 19/05/2023. For 2nd Lift (L.H.S) Ch. 0.00 to 40.00 mt.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 28.80 m3 for two sets of cube.
			235.59	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 19/05/2023. For 2nd Lift (L.H.S) Ch. 0.00 to 40.00 mt.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	--do--
			208.40	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 20/05/2023. For 2nd Lift (L.H.S) Ch. 40.00 to 80.00 mt.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 28.80 m3 for two sets of cube.
			208.40	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	217.47	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 20/05/2023. For 2nd Lift (L.H.S) Ch. 40.00 to 80.00 mt.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	2.84	--do--
			217.47	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. For 2nd Lift (L.H.S) Ch. 80.00 to 120.00 mt.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 28.80 m3 for two sets of cube.
			212.93	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	217.47	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
6	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. For 2nd Lift (L.H.S) Ch. 80.00 to 120.00 mt.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 28.80 m3 for two sets of cube.
			219.73	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	220.49			
7	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. For 2nd Lift (R.H.S) Ch. 0.00 to 40.00 mt.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 28.80 m3 for two sets of cube.
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	237.10			
8	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. For 2nd Lift (R.H.S) Ch. 0.00 to 40.00 mt.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.63	--do--
			206.14	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	219.73			
9	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. For 2nd Lift (R.H.S) Ch. 40.00 to 80.00 mt.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 28.80 m3 for two sets of cube.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	220.49			
10	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. For 2nd Lift (R.H.S) Ch. 40.00 to 80.00 mt.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	15.78	--do--
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	243.14			

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