

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7027,7028,7041,7042,7049,7050/Lab/**85**/2023 - 24 Dated:- 02/06/2023.
7053,7054,7061,7062,7067,7068.

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

Name of work : Construction of flood Protection wall from Childrens Park to Vithal Karapurkars House in Village Panchayat Penha de Franca in Porvorim Constituency.

Ref. to Requisition No : SDI/WDI/WRD/F.57/2023-24/40. Dt.:- 04/05/2023

Qty. Received : **12** Sets of cube Date of Receipt:- 25/05/2023. Tested on:- 25,27,28,29,30 & 31/05/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1319,1320,1338,1339,1347,1348,1351,1352,1359,1360,1365,1366/RK Lab. Sample No: 7211 to 7222

Tested By: Mrs. R.R. Kadam A.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 27/04/2023. for Foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 38.00 M3 for two sets of cube.
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	226.53			
2	Cement concrete cube of mix 1:2:4 , cast on 27/04/2023. for Foundation.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	---do---
			224.26	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	220.49			
3	Cement concrete cube of mix 1:2:4 , cast on 29/04/2023. for Foundation.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 37.00 M3 for two sets of cube.
			235.59	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	223.51			
4	Cement concrete cube of mix 1:2:4 , cast on 29/04/2023. for Foundation.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.63	---do---
			222.00	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	219.73			
5	Cement concrete cube of mix 1:2:4 , cast on 30/04/2023. for Foundation.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 38.00 M3 for two sets of cube.
			215.20	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	224.26			

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 30/04/2023. for Foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 38.00 M3 for two sets of cube.
			208.40	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 01/05/2023. for 1st Lift.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 35.00 M3 for two sets of cube.
			231.06	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 01/05/2023. for 1st Lift.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	5.35	---do---
			233.32	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 02/05/2023. for 1st Lift.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 39.00 M3 for two sets of cube.
			210.67	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 02/05/2023. for 1st Lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	8.59	---do---
			237.85	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 03/05/2023. for 2nd Lift.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 37.00 M3 for two sets of cube.
			233.32	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 03/05/2023. for 2nd Lift.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.75	---do---
			228.79	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	232.57	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDI, WDI, WRD, Porvorim- Goa.

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

3. Copy submitted to The Executive Engineer, WDI, WRD, Porvorim- Goa.

4. QC Lab File. 5. Bill File.

Assistant Engineer