

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7199,7200,7217,7218,7225,7226/Lab/**104**/2023 - 24 Dated:- 19/06/2023.
7241,7242,7255,7256,7273,7274.

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

Name of work : Construction of retaining wall on existing nallah from Bhatlekar house to Sahadev Kalangutkar house on both sides in ward No. IX at Donwaddo, Salvador-do-Mundo in Porvorim Constituency.

Ref. to Requisition No : SDI/WDI /WRD/F.57/2023-24/68. Dt.:- 30/05/2023

Qty. Recived : **12** Sets of cube Date of Receipt:- 08/06/2023. Tested on:- 10,12,13,14,15 & 16/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1497,1498,1515,1516/RK. & 848,849,864,865,880,881,899,900/SS. Lab. Sample No: 7430 to 7441

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 13/05/2023. for Foundation.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 38.00 M3 for two sets of cube.
			201.61	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	217.47			
2	Cement concrete cube of mix 1:2:4 , cast on 13/05/2023. for Foundation.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	6.07	---do---
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	222.75			
3	Cement concrete cube of mix 1:2:4 , cast on 15/05/2023. for Foundation.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 37.00 M3 for two sets of cube.
			237.85	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	225.02			
4	Cement concrete cube of mix 1:2:4 , cast on 15/05/2023. for Foundation.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	4.63	---do---
			208.40	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	219.73			
5	Cement concrete cube of mix 1:2:4 , cast on 16/05/2023. for Foundation.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 38.00 M3 for two sets of cube.
			210.67	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	221.24			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Cement concrete cube of mix 1:2:4 , cast on 16/05/2023. for Foundation.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 38.00 M3 for two sets of cube.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	228.79			
7	Cement concrete cube of mix 1:2:4 , cast on 17/05/2023. for Mid Copping.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 35.00 M3 for two sets of cube.
			215.20	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	219.73			
8	Cement concrete cube of mix 1:2:4 , cast on 17/05/2023. for Mid Copping.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.79	---do---
			217.47	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	224.26			
9	Cement concrete cube of mix 1:2:4 , cast on 18/05/2023. for Mid Copping.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 39.00 M3 for two sets of cube.
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	225.77			
10	Cement concrete cube of mix 1:2:4 , cast on 18/05/2023. for Mid Copping.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	12.54	---do---
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	236.34			
11	Cement concrete cube of mix 1:2:4 , cast on 19/05/2023. for Top Copping.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 37.00 M3 for two sets of cube.
			217.47	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	218.22			
12	Cement concrete cube of mix 1:2:4 , cast on 19/05/2023. for Top Copping.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.51	---do---
			224.26	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	225.77			

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.

Junior Engineer

Assistant Engineer