

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7265,7266,7277,7278,9290,9291/Lab/114/2023 - 24 Dated:- 28/06/2023.
7307,7308,7324,7325,7337,7338,7350,7351,7359,7360,7381,7382,7392,7393.

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

Name of work : Construction of protection wall near Sadanand Rane to Gauresh Nagvekar at Chivar Butti in V.P. Anjuna in Siolim Constituency.

Ref. to Requisition No : SDI/WDI/WRD/F.57/2023-24/79 Dt :- 06/06/2023

Qty. Recived : 20 Sets of cube Date of Receipt:- 14/06/2023. Tested on: 15,16,17,19,20,21,22,23,24 & 25/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No: 1526,1527/RK & 890,891,903,904,916,917,932,935,952,953,961,962,971,972,996,997,1007,1008/SS.

Lab. Sample No: 7493 to 7512 Tested By : Mrs. R.R. Kadam. A.E. & Mrs. S.B.Naik Shirodkar. J.E.

REPORT PAGE 01 OF 03

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 18/05/2023. for Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 35.00 M3 for two sets of cube.
			217.47	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4, cast on 18/05/2023. for Foundation & Plinth.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	3.20	---do---
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4, cast on 19/05/2023. for Foundation & Plinth.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 32.00 M3 for two sets of cube.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4, cast on 19/05/2023. for Foundation & Plinth.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	6.43	---do---
			228.79	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4, cast on 20/05/2023. for Foundation & Plinth.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 30.00 M3 for two sets of cube.
			249.18	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	234.83	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

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 20/05/2023. for Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 30.00 M3 for two sets of cube.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. for Foundation & Plinth.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 35.00 M3 for two sets of cube.
			222.00	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. for Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.95	---do---
			222.00	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. for 1st Lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 33.00 M3 for two sets of cube.
			224.26	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. for 1st Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.11	---do---
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. for 1st Lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 31.00 M3 for two sets of cube.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. for 1st Lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.20	---do---
			208.40	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 25/05/2023. for Foundation & 1st Lift.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 35.00 M3 for two sets of cube.
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	223.51	Kg/Cm²			

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Assistant Engineer

REPORT PAGE 03 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1:2:4 , cast on 25/05/2023. for Foundation & 1st Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 35.00 M3 for two sets of cube.
			217.47	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	222.00			
15	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. for Foundation & Plinth.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 32.00 M3 for two sets of cube.
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	220.49			
16	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. for Foundation & Plinth.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	3.20	---do---
			208.40	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	216.71			
17	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. for 2nd Lift & 3rd Lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 34.00 M3 for two sets of cube.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	215.95			
18	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. for 2nd Lift & 3rd Lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.71	---do---
			233.32	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	222.00			
19	Cement concrete cube of mix 1:2:4 , cast on 28/05/2023. for 2nd Lift & 3rd Lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 30.00 M3 for two sets of cube.
			237.85	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
20	Cement concrete cube of mix 1:2:4 , cast on 28/05/2023. for 2nd Lift & 3rd Lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.35	---do---
			231.06	Kg/Cm ²			
			206.14	Kg/Cm ²			
			Average	221.24			

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