

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 5327,5328,5337,5338,5343,5344,/ Lab /**162** / 2022 - 23 Dated:- 26/09/2022. Laboratory : Bicholim - Goa.

5345, 5349,5352 to 5355,5357 to 5364 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of flood protection wall from Prakash Parrikar's house to Jeevan Mavlankar's house along the bank of Par River at Moitem vaddo in Assonora in Tivim Constituency.

Ref. to Requisition No.: SDII/WDI/WRD/F.24/2022-23/213 Dt.:- 25/ 08/ 2022

Qty. Recived. : 19 Sets of cube Date of Receipt:- 27/08/ 2022. Tested on: 28,30/08/2022,01/09/2022 To 21/09/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :9285,9286,9295,9296,9301,9302,9303,9304,9307 to 9310,9312,9313,9317,9322,9325,9326,9328/SS

Lab. Sample No.: 5195 to 5213 Tested By: 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 31/07/2022. For Foundation.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 33.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 31/07/2022. For Foundation.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 02/08/2022. For 1 st lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 28.00 Cum. for two sets of cubes.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 02/08/2022. For 1 st lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			237.85	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 04/08/2022. For 2 nd lift.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 26.00 Cum. for two sets of cubes.
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 04/08/2022. For 2 nd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	229.55	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
7	Cement concrete cube of mix 1:2:4 , cast on 06/08/2022. For 3 rd lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 20.00 Cum.
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 08/08/2022. For 4 th lift.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 10.00 Cum.
			222.00	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 10/08/2022. For Foundation.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 35.00 M3 for two sets of cubes.
			201.61	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 10/08/2022. For Foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			208.40	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 12/08/2022. For 1 st lift.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 30.00 M3 for two sets of cubes.
			208.40	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 12/08/2022. For 1 st lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			219.73	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 14/08/2022. For 2 nd lift.	28 th day compressive strength	201.61	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 28.00 M3 for two sets of cubes.
			219.73	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 14/08/2022. For 2 nd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			233.32	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
15	Cement concrete cube of mix 1:2:4 , cast on 16/08/2022. For 3 rd lift.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 20.00 Cum.
			217.47	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 18/08/2022. For 4 th lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 15.00 Cum.
			212.93	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 20/08/2022. For Foundation.	28 th day compressive strength	201.61	Kg/Cm ²	210.00 Kg/cm ²	2.48	Qty represents - 10.00 Cum.
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	215.20	Kg/Cm²			
18	Cement concrete cube of mix 1:2:4 , cast on 22/08/2022. For 1 st lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 10.00 Cum.
			203.87	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
19	Cement concrete cube of mix 1:2:4 , cast on 24/08/2022. For 2 nd lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 10.00 Cum.
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDI, WRD, Mapusa, Bardez - 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.

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