

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2651 to 2672,2680 to 2683,2693,/ Lab /174 / 2021 - 22 Dated:-17/09/ 2021. Laboratory : Bicholim - Goa.
2694,2702,2703 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Development of Poi in Survey No. 169 near Fishing Jetty and Beautification of bund of River Chapora in V.P.Siolim in Siolim Constituency

Ref. to Requisition No.: SDI/WDI/WRD/F.57/21-22/243 Dated :- 16/ 08/ 2021.

Qty. Recived. : 30 Sets of cube Date of Receipt:- 19/ 08 / 2021. Tested on: 19,20,23 to 27,30,31/08/2021 & 01 to 04,06,07/09/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No. :6893 to 6915,6925 to 6929,6940,6941,6949,6950/SS Lab. Sample No.: 2141 To 2170 Tested By: Mrs.Shirodkar. J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 22/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents -33.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	227.28			
2	Cement concrete cube of mix 1:2:4 , cast on 22/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			233.32	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	222.00			
3	Cement concrete cube of mix 1:2:4 , cast on 23/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents -33.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	218.22			
4	Cement concrete cube of mix 1:2:4 , cast on 23/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			231.06	Kg/Cm ²			
			240.12	Kg/Cm ²			
			Average	229.55			
5	Cement concrete cube of mix 1:2:4 , cast on 26/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents -36.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	221.24			
6	Cement concrete cube of mix 1:2:4 , cast on 26/07/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	3.55	----- do -----
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	217.47			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 27/07/2021. For 1 st and 2 nd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 35.00 Cum for two sets of cubes.
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	225.02			
8	Cement concrete cube of mix 1:2:4 , cast on 27/07/2021. For 1 st and 2 nd lift.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	4.27	----- do -----
			219.73	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	218.98			
9	Cement concrete cube of mix 1:2:4 , cast on 28/07/2021. For 1 st and 2 nd lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 35.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	228.79			
10	Cement concrete cube of mix 1:2:4 , cast on 28/07/2021. For 1 st and 2 nd lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	3.20	----- do -----
			203.87	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	216.71			
11	Cement concrete cube of mix 1:2:4 , cast on 29/07/2021. For Foundation & Plinth.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents -40.00 Cum for two sets of cubes.
			240.12	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	235.59			
12	Cement concrete cube of mix 1:2:4 , cast on 29/07/2021. For Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.51	----- do -----
			237.85	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
13	Cement concrete cube of mix 1:2:4 , cast on 30/07/2021. For Foundation & Plinth.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 43.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	224.26			
14	Cement concrete cube of mix 1:2:4 , cast on 30/07/2021. For Foundation & Plinth.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	227.28			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
15	Cement concrete cube of mix 1:2:4 , cast on 02/08/2021. For Foundation & Plinth.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 38.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 02/08/2021. For Foundation & Plinth.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			219.73	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 03/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 38.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
18	Cement concrete cube of mix 1:2:4 , cast on 03/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			222.00	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
19	Cement concrete cube of mix 1:2:4 , cast on 04/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents -40.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
20	Cement concrete cube of mix 1:2:4 , cast on 04/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			222.00	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
21	Cement concrete cube of mix 1:2:4 , cast on 05/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents -32.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
22	Cement concrete cube of mix 1:2:4 , cast on 05/08/2021. For 1 st and 2 nd lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			237.85	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	228.04	Kg/Cm²			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
23	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/08/2021. For Foundation & Plinth.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 41.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
24	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/08/2021. For Foundation & Plinth.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	10.75	----- do -----
			226.53	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
25	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/08/2021. For Foundation & Plinth.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 40.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
26	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/08/2021. For Foundation & Plinth.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	7.87	----- do -----
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
27	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/08/2021. For 3 rd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 43.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
28	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/08/2021. For 3 rd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	2.12	----- do -----
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
29	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/08/2021. For 2 nd & 3 rd lift.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 30.00 Cum for two sets of cubes.
			233.32	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
30	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/08/2021. For 2 nd & 3 rd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.55	----- do -----
			226.53	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	217.47	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD I , WD I , 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 , WD I ,WRD, Porvorim- Goa.

4. QC Lab File. 5. Bill File.

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