

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T :6738,6739,6754,6755,6771,6772,6782,6783,6827,6828, / Lab / **166** / 2019 - 20 Dated:- 10 / 06 / 2019
6877,6878,6964,6965,6985,6986,7033,7034,7063,7064. Laboratory : Bicholim -Goa / Sub Division V (QC)/WRD/ Bicholim -Goa.

Name of Work: - Construction of Anti Sea erosion wall from Teso Hotel to Sitaram Chodankar house in Vaddi Kerem in V.P. Marna - Siolim/Assagao in Sioloim Constituency.

Ref. to Requisition No.: MI//SD I / WD I WRD/F.57/2019-20/ **60** Dated :- 10-05-2019

Qty. Recived. : 20 Sets of cube Date of Receipt: - 21/05/2019. Tested on: - 21/05/2019 To 07/06/2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: PCC 1 : 2 : 4 Mix O.S No. : 701,702,717,718,734,735,745,746,/AF,492,493,521,522,/SP, 2022,2023,2045,2046,2097,2098,2128,2129/SS.

Lab.

Sample No.: 4757 To 4776.. Tested By: - Mr. Anil. R. Fadte. J.E., S.M.Patri. 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	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 23 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/Cm ²	4.99	Excat location of work executed is not specified.
			228.79	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
2	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 23 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/Cm ²	4.99	--- do---
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
3	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 24 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	5.71	--- do---
			217.47	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 24 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/Cm ²	3.91	--- do---
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
5	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 25 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	7.15	--- do---
			212.93	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	225.02	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 25 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/Cm ²	7.15	Excat location of work executed is not specified.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
7	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 26 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/Cm ²	4.99	--- do---
			233.32	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
8	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 26 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/Cm ²	5.35	--- do---
			215.20	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
9	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 29 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/Cm ²	5.35	--- do---
			231.06	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
10	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 29 / 04 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/Cm ²	7.87	--- do---
			224.26	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
11	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 02 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/Cm ²	4.63	--- do---
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
12	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 02 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/Cm ²	4.99	--- do---
			222.00	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
13	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 06 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/Cm ²	7.51	--- do---
			235.59	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	225.77	Kg/Cm²			

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 06 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/Cm ²	8.59	Excat location of work executed is not specified.
			242.38	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
15	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 07 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/Cm ²	4.27	--- do---
			217.47	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
16	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 07 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 29.00 Cum for two sets of cubes.	28th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/Cm ²	3.55	--- do---
			219.73	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	217.47	Kg/Cm²			
17	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 09 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/Cm ²	17.58	--- do---
			260.51	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
18	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 09 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 30.00 Cum for two sets of cubes.	28th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/Cm ²	8.59	--- do---
			203.87	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
19	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 10 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/Cm ²	7.15	--- do---
			226.53	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
20	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 10 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/Cm ²	7.87	--- do---
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	226.53	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.

Junior Engineer

Assistant Engineer