

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T :6740,6741,6756,6757,6773,6774,6784,6785,6825,6826,6873,6874, / Lab / **167** / 2019 - 20 Dated:- 10 / 06 / 2019
6887,6888,6952,6953,6983,6984,7009,7010,7040,7041,7057,7058. Laboratory : Bicholim -Goa / Sub Division V (QC)/WRD/ Bicholim -Goa.

Name of Work: - Construction of protection wall of nallah from Satish. Pednekar house to Hari Tuyenkar house in Malbar bund V.P. Anjuna - Caisua in Sioloim Constituency.

Ref. to Requisition No.: MI//SD I / WD I WRD/F.57/2019-20/ **61** Dated :- 10-05-2019

Qty. Recived. : 24 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. : 703,704,719,720,736,737,747,748/AF,490,491,517,518,531,532/SP, 2010,2011,2043,2044,2071,2072,2104,2105,2122,2123/SS.

Lab. Sample No.: 4777 To 4800.. Tested By: - Mr. Anil. R. Fadte. J.E., S.M.Patri. A.E. & Mrs. S. B. Naik Shirodkar. J.E.

REPORT PAGE 01 OF 04

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% 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	206.14	Kg/Cm ²	210.00 Kg/Cm ²	4.99	Excat location of work executed is not specified.
			233.32	Kg/Cm ²			
			222.00	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	206.14	Kg/Cm ²	210.00 Kg/Cm ²	7.51	--- do---
			217.47	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	225.77	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	235.59	Kg/Cm ²	210.00 Kg/Cm ²	5.35	--- do---
			222.00	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	221.24	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	217.47	Kg/Cm ²	210.00 Kg/Cm ²	5.71	--- do---
			237.85	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	222.00	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	249.18	Kg/Cm ²	210.00 Kg/Cm ²	9.67	--- do---
			208.40	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	230.30	Kg/Cm²			

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REPORT PAGE 02 OF 04

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% 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	219.73	Kg/Cm ²	210.00 Kg/Cm ²	6.07	Excat location of work executed is not specified.
			210.67	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	222.75	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	235.59	Kg/Cm ²	210.00 Kg/Cm ²	5.35	--- do---
			217.47	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	221.24	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	206.14	Kg/Cm ²	210.00 Kg/Cm ²	4.27	--- do---
			226.53	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	218.98	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	231.06	Kg/Cm ²	210.00 Kg/Cm ²	11.11	--- do---
			251.44	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	233.32	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	226.53	Kg/Cm ²	210.00 Kg/Cm ²	9.31	--- do---
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	229.55	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	276.36	Kg/Cm ²	210.00 Kg/Cm ²	13.98	--- do---
			201.61	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	239.36	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	228.79	Kg/Cm ²	210.00 Kg/Cm ²	9.31	--- do---
			251.44	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
13	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 03 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/Cm ²	6.43	--- do---
			210.67	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	223.51	Kg/Cm²			

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REPORT PAGE 03 OF 04

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 03 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/Cm ²	4.99	Excat location of work executed is not specified.
			215.20	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
15	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	219.73	Kg/Cm ²	210.00 Kg/Cm ²	7.51	--- do---
			235.59	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
16	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	2.48	--- do---
			222.00	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	215.20	Kg/Cm²			
17	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	237.85	Kg/Cm ²	210.00 Kg/Cm ²	3.91	--- do---
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
18	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	4.63	--- do---
			224.26	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
19	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 08 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/Cm ²	6.43	--- do---
			224.26	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
20	Plain Cement concrete cube of mix 1 : 2 : 4, cast on 08 / 05 /2019, PCC for Founadtion & Plinth. Qty represents - 28.00 Cum for two sets of cubes.	28th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/Cm ²	7.51	--- do---
			231.06	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	225.77	Kg/Cm²			

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REPORT PAGE 04 OF 04

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
21	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	237.85	Kg/Cm ²	210.00 Kg/Cm ²	8.23	Excat location of work executed is not specified.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
22	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	251.44	Kg/Cm ²	210.00 Kg/Cm ²	9.67	--- do---
			228.79	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
23	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	208.40	Kg/Cm ²	210.00 Kg/Cm ²	8.59	--- do---
			226.53	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
24	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	215.20	Kg/Cm ²	210.00 Kg/Cm ²	7.87	--- do---
			224.26	Kg/Cm ²			
			240.12	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.

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