

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7450,7451,7502,7503,7512,7513,7533,7534, / Lab / **246** / 2019 - 20 Dated:- 15 / 07 / 2019 Laboratory : Bicholim - Goa.
7570,7571,7597,7598,7645,7646,7660,7661,7673,7674,7701,7702,7713,7714,7737,7738,7754,7755,7761,7762. 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 Siolim Constituency.

Ref. to Requisition No.: MI/SDI/WDI/WRD/ F.57 /2019-20/ **122** Dated :- 20 / 06 / 2019.

Qty. Recived. : 28 Sets of cube Date of Receipt :- 24 / 06 / 2019. Tested on: 25/06/2019 To 13/07/2019. as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube 1:2:4 Mix O.S No. : 2349,2350,2401,2402,2411,2412,2432,2433,2452,2453,2475,2476./SS., 1025,1026/AF, 2493,2494,2509,2510,2524,2525,2535,2536, 2559,2560,2572,2573,2579,2580/SS. Lab. Sample No.: 6478 To 6505. Tested By: - Mrs. S.B. Naik Shirodkar. J.E. & Mr. Anil. R. Fadte. J..E.

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SR.N O.	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 28 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	219.73	Kg/Cm2	210 kg/cm2	4.27	1. Quantity represents 25.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			192.55	Kg/Cm2			
			244.65	Kg/Cm2			
		Average	218.98	Kg/Cm2			
2	Cement concrete cube of mix 1:2:4 , cast on 28 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	203.87	Kg/Cm2	210 kg/cm2	5.35	... Do ...
			222.00	Kg/Cm2			
			237.85	Kg/Cm2			
		Average	221.24	Kg/Cm2			
3	Cement concrete cube of mix 1:2:4 , cast on 30 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	3.20	1. Quantity represents 25.00 Cum for three sets of cubes. 2. Exact location of work done is not specified.
			226.53	Kg/Cm2			
			208.40	Kg/Cm2			
		Average	216.71	Kg/Cm2			
4	Cement concrete cube of mix 1:2:4 , cast on 30 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	240.12	Kg/Cm2	210 kg/cm2	5.35	... Do ...
			219.73	Kg/Cm2			
			203.87	Kg/Cm2			
		Average	221.24	Kg/Cm2			
5	Cement concrete cube of mix 1:2:4 , cast on 31 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	222.00	Kg/Cm2	210 kg/cm2	11.82	1. Quantity represents 24.00 Cum for three sets of cubes. 2. Exact location of work done is not specified.
			237.85	Kg/Cm2			
			244.65	Kg/Cm2			
		Average	234.83	Kg/Cm2			
6	Cement concrete cube of mix 1:2:4 , cast on 31 / 05 / 2019, For Foundation & Plinth	28 th day compressive strength	206.14	Kg/Cm2	210 kg/cm2	6.79	... Do ...
			231.06	Kg/Cm2			
			235.59	Kg/Cm2			
		Average	224.26	Kg/Cm2			

Junior Engineer

Assistant Engineer

SR.N O.	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 01 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	212.93	Kg/Cm2	210 kg/cm2	6.43	1. Quantity represents 28.00 Cum for three sets of cubes. 2. Exact location of work done is not specified.
			224.26	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	223.51	Kg/Cm2			
8	Cement concrete cube of mix 1:2:4 , cast on 01 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	203.87	Kg/Cm2	210 kg/cm2	3.91	... Do ...
			222.00	Kg/Cm2			
			228.79	Kg/Cm2			
		Average	218.22	Kg/Cm2			
9	Cement concrete cube of mix 1:2:4 , cast on 03 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	212.93	Kg/Cm2	210 kg/cm2	5.35	1. Quantity represents 30.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			203.87	Kg/Cm2			
			246.91	Kg/Cm2			
		Average	221.24	Kg/Cm2			
10	Cement concrete cube of mix 1:2:4 , cast on 03 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	258.24	Kg/Cm2	210 kg/cm2	10.39	... Do ...
			203.87	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	231.81	Kg/Cm2			
11	Cement concrete cube of mix 1:2:4 , cast on 04 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	206.14	Kg/Cm2	210 kg/cm2	4.63	1. Quantity represents 29.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			233.32	Kg/Cm2			
			219.73	Kg/Cm2			
		Average	219.73	Kg/Cm2			
12	Cement concrete cube of mix 1:2:4 , cast on 04 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	240.12	Kg/Cm2	210 kg/cm2	6.79	... Do ...
			208.40	Kg/Cm2			
			224.26	Kg/Cm2			
		Average	224.26	Kg/Cm2			
13	Cement concrete cube of mix 1:2:4 , cast on 06 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	237.85	Kg/Cm2	210 kg/cm2	4.63	1. Quantity represents 25.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			212.93	Kg/Cm2			
			208.40	Kg/Cm2			
		Average	219.73	Kg/Cm2			
14	Cement concrete cube of mix 1:2:4 , cast on 06 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	6.07	... Do ...
			210.67	Kg/Cm2			
			242.38	Kg/Cm2			
		Average	222.75	Kg/Cm2			

SR.N O.	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 07 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	208.40	Kg/Cm2	210 kg/cm2	5.35	1. Quantity represents 24.00 Cum for three sets of cubes. 2. Exact location of work done is not specified.
			231.06	Kg/Cm2			
			224.26	Kg/Cm2			
			Average	221.24			
16	Cement concrete cube of mix 1:2:4 , cast on 07 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	231.06	Kg/Cm2	210 kg/cm2	8.95	... Do ...
			215.20	Kg/Cm2			
			240.12	Kg/Cm2			
			Average	228.79			
17	Cement concrete cube of mix 1:2:4 , cast on 08 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	240.12	Kg/Cm2	210 kg/cm2	4.99	1. Quantity represents 30.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			219.73	Kg/Cm2			
			201.61	Kg/Cm2			
			Average	220.49			
18	Cement concrete cube of mix 1:2:4 , cast on 08 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	208.40	Kg/Cm2	210 kg/cm2	7.87	... Do ...
			224.26	Kg/Cm2			
			246.91	Kg/Cm2			
			Average	226.53			
19	Cement concrete cube of mix 1:2:4 , cast on 10 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	217.47	Kg/Cm2	210 kg/cm2	5.71	1. Quantity represents 28.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			215.20	Kg/Cm2			
			233.32	Kg/Cm2			
			Average	222.00			
20	Cement concrete cube of mix 1:2:4 , cast on 10 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	4.99	... Do ...
			210.67	Kg/Cm2			
			224.26	Kg/Cm2			
			Average	220.49			
21	Cement concrete cube of mix 1:2:4 , cast on 11 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	224.26	Kg/Cm2	210 kg/cm2	5.35	1. Quantity represents 25.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			208.40	Kg/Cm2			
			231.06	Kg/Cm2			
			Average	221.24			
22	Cement concrete cube of mix 1:2:4 , cast on 11 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	9.31	... Do ...
			240.12	Kg/Cm2			
			233.32	Kg/Cm2			
			Average	229.55			

SR.N O.	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 13 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	9.67	1. Quantity represents 28.00 Cum for three sets of cubes. 2. Exact location of work done is not specified.
			249.18	Kg/Cm2			
			226.53	Kg/Cm2			
		Average	230.30	Kg/Cm2			
24	Cement concrete cube of mix 1:2:4 , cast on 13 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	237.85	Kg/Cm2	210 kg/cm2	7.15	... Do ...
			217.47	Kg/Cm2			
			219.73	Kg/Cm2			
		Average	225.02	Kg/Cm2			
25	Cement concrete cube of mix 1:2:4 , cast on 14 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	219.73	Kg/Cm2	210 kg/cm2	8.95	1. Quantity represents 30.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			240.12	Kg/Cm2			
			226.53	Kg/Cm2			
		Average	228.79	Kg/Cm2			
26	Cement concrete cube of mix 1:2:4 , cast on 14 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	222.00	Kg/Cm2	210 kg/cm2	12.18	... Do ...
			235.59	Kg/Cm2			
			249.18	Kg/Cm2			
		Average	235.59	Kg/Cm2			
27	Cement concrete cube of mix 1:2:4 , cast on 15 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	7.51	1. Quantity represents 28.00 Cum for two sets of cubes. 2. Exact location of work done is not specified.
			212.93	Kg/Cm2			
			237.85	Kg/Cm2			
		Average	225.77	Kg/Cm2			
28	Cement concrete cube of mix 1:2:4 , cast on 15 / 06 / 2019, For Foundation & Plinth	28 th day compressive strength	246.91	Kg/Cm2	210 kg/cm2	10.39	... Do ...
			231.06	Kg/Cm2			
			217.47	Kg/Cm2			
		Average	231.81	Kg/Cm2			

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

2. Copy submitted to the Superintendent 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