

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T: 9199,9217,9218,9226,9227,9240,9241,9250,9275 To 9278,9293,9294,9319,9320,9332,9333,9349,9350, 9358,9359,9374,9375,9387,9388,9403,9404,
9407,9408,9429,9430/ Lab / **06** / 2020 - 21 Dated:- 13 / 04 / 2020

Laboratory : - Bicholim Goa.

Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of Work: - Improvement to Nallah in fields from Ashok Satardkar house upto Sy. No. 69 in ward No. IV and Gurudas Mandrekar house to main nallah at Carrem in village Panchayat Socorro in Porvorim Constituency.

Ref. to Requisition No.: MI/SDII/WDI/WRD/ F.24 /2019-20/ **692** Dated :- 16 / 03 / 2020.

Qty. Recived. : 32 Sets of cube Date of Receipt :- 16 / 03 / 2020. Tested on: 17/03/2020 To 09/04/2020. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube 1:2:4 Mix O.S No. : 3488,3504,3518,3535,3543 /SS,654,655,666,682,690,699,707,711,719,724,727,734/SP. Lab. Sample No.: 8381 To 8412.

Tested By: - Mrs. S.B. Naik Shirodkar. J.E. & Mr. S. M. Patri. A. E.

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SR.N O.	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 18 / 02 / 2020. P.C.C. for Foundation from Ch. 200 m To 210 m.	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	4.63	Quantity represents 14.00 Cum.
			212.93	Kg/Cm2			
			219.73	Kg/Cm2			
			Average	219.73			
2	Plain Cement concrete cube of mix 1:2:4 , cast on 19 / 02 / 2020. P.C.C. for Foundation from Ch. 210 m To 230 m.	28 th day compressive strength	217.47	Kg/Cm2	210 kg/cm2	4.63	Quantity represents 35.00 Cum for two sets of cubes.
			233.32	Kg/Cm2			
			208.40	Kg/Cm2			
			Average	219.73			
3	Plain Cement concrete cube of mix 1:2:4 , cast on 19 / 02 / 2020. P.C.C. for Foundation from Ch. 210 m To 230 m.	28 th day compressive strength	208.40	Kg/Cm2	210 kg/cm2	4.99	... Do ...
			237.85	Kg/Cm2			
			215.20	Kg/Cm2			
			Average	220.49			
4	Plain Cement concrete cube of mix 1:2:4 , cast on 20 / 02 / 2020. P.C.C. for Foundation from Ch. 230 m To 265 m.	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.71	Quantity represents 32.00 Cum for two sets of cubes.
			217.47	Kg/Cm2			
			233.32	Kg/Cm2			
			Average	222.00			
5	Plain Cement concrete cube of mix 1:2:4 , cast on 20 / 02 / 2020. P.C.C. for Foundation from Ch. 230 m To 265 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	4.27	... Do ...
			208.40	Kg/Cm2			
			219.73	Kg/Cm2			
			Average	218.98			
6	Plain Cement concrete cube of mix 1:2:4 , cast on 21 / 02 / 2020. P.C.C. for Foundation from Ch. 265 m To 290 m.	28 th day compressive strength	203.87	Kg/Cm2	210 kg/cm2	5.35	Quantity represents 33.00 Cum for two sets of cubes.
			222.00	Kg/Cm2			
			237.85	Kg/Cm2			
			Average	221.24			

Junior Engineer

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Plain Cement concrete cube of mix 1:2:4 , cast on 21 / 02 / 2020. P.C.C. for Foundation from Ch. 265 m To 290 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	6.79	Quantity represents 33.00 Cum for two sets of cubes.
			217.47	Kg/Cm2			
			226.53	Kg/Cm2			
		Average	224.26	Kg/Cm2			
8	Plain Cement concrete cube of mix 1:2:4 , cast on 22 / 02 / 2020. P.C.C. for Mid concrete band from Ch. 290 m To 300 m.	28 th day compressive strength	219.73	Kg/Cm2	210 kg/cm2	7.87	Quantity represents 15.00 Cum.
			226.53	Kg/Cm2			
			233.32	Kg/Cm2			
		Average	226.53	Kg/Cm2			
9	Plain Cement concrete cube of mix 1:2:4 , cast on 24 / 02 / 2020. P.C.C. for Foundation from Ch. 300 m To 328 m.	28 th day compressive strength	212.93	Kg/Cm2	210 kg/cm2	4.27	Quantity represents 36.00 Cum for two sets of cubes.
			226.53	Kg/Cm2			
			217.47	Kg/Cm2			
		Average	218.98	Kg/Cm2			
10	Plain Cement concrete cube of mix 1:2:4 , cast on 24 / 02 / 2020. P.C.C. for Foundation from Ch. 300 m To 328 m.	28 th day compressive strength	237.85	Kg/Cm2	210 kg/cm2	5.35	... Do ...
			210.67	Kg/Cm2			
			215.20	Kg/Cm2			
		Average	221.24	Kg/Cm2			
11	Plain Cement concrete cube of mix 1:2:4 , cast on 25 / 02 / 2020. P.C.C. for Foundation from Ch. 328 m To 363 m.	28 th day compressive strength	233.32	Kg/Cm2	210 kg/cm2	5.71	Quantity represents 32.00 Cum for two sets of cubes.
			224.26	Kg/Cm2			
			208.40	Kg/Cm2			
		Average	222.00	Kg/Cm2			
12	Plain Cement concrete cube of mix 1:2:4 , cast on 25 / 02 / 2020. P.C.C. for Foundation from Ch. 328 m To 363 m.	28 th day compressive strength	210.67	Kg/Cm2	210 kg/cm2	3.91	... Do ...
			242.38	Kg/Cm2			
			201.61	Kg/Cm2			
		Average	218.22	Kg/Cm2			
13	Plain Cement concrete cube of mix 1:2:4 , cast on 26 / 02 / 2020. P.C.C. for Foundation from Ch. 363 m To 398 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	5.35	Quantity represents 37.00 Cum for two sets of cubes.
			231.06	Kg/Cm2			
			203.87	Kg/Cm2			
		Average	221.24	Kg/Cm2			
14	Plain Cement concrete cube of mix 1:2:4 , cast on 26 / 02 / 2020. P.C.C. for Foundation from Ch. 363 m To 398 m.	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	4.27	... Do ...
			233.32	Kg/Cm2			
			208.40	Kg/Cm2			
		Average	218.98	Kg/Cm2			
15	Plain Cement concrete cube of mix 1:2:4 , cast on 27 / 02 / 2020. P.C.C. for Foundation & Mid Concrete band from Ch. 398 m To 425 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	11.82	Quantity represents 31.00 Cum for two sets of cubes.
			233.32	Kg/Cm2			
			242.38	Kg/Cm2			
		Average	234.83	Kg/Cm2			

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
16	Plain Cement concrete cube of mix 1:2:4 , cast on 27 / 02 / 2020. P.C.C. for Foundation & Mid Concrete band from Ch. 398 m To 425 m.	28 th day compressive strength	224.26	Kg/Cm2	210 kg/cm2	7.51	Quantity represents 31.00 Cum for two sets of cubes.
			235.59	Kg/Cm2			
			217.47	Kg/Cm2			
		Average	225.77	Kg/Cm2			
17	Plain Cement concrete cube of mix 1:2:4 , cast on 28 / 02 / 2020. P.C.C. for Foundation from Ch. 425 m To 451 m.	28 th day compressive strength	210.67	Kg/Cm2	210 kg/cm2	6.79	Quantity represents 33.00 Cum for two sets of cubes.
			222.00	Kg/Cm2			
			240.12	Kg/Cm2			
		Average	224.26	Kg/Cm2			
18	Plain Cement concrete cube of mix 1:2:4 , cast on 28 / 02 / 2020. P.C.C. for Foundation from Ch. 425 m To 451 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	4.27	... Do ...
			206.14	Kg/Cm2			
			222.00	Kg/Cm2			
		Average	218.98	Kg/Cm2			
19	Plain Cement concrete cube of mix 1:2:4 , cast on 29 / 02 / 2020. P.C.C. for Foundation from Ch. 451 m To 478 m.	28 th day compressive strength	206.14	Kg/Cm2	210 kg/cm2	4.99	Quantity represents 34.00 Cum for two sets of cubes.
			224.26	Kg/Cm2			
			231.06	Kg/Cm2			
		Average	220.49	Kg/Cm2			
20	Plain Cement concrete cube of mix 1:2:4 , cast on 29 / 02 / 2020. P.C.C. for Foundation from Ch. 451 m To 478 m.	28 th day compressive strength	231.06	Kg/Cm2	210 kg/cm2	8.59	... Do ...
			224.26	Kg/Cm2			
			228.79	Kg/Cm2			
		Average	228.04	Kg/Cm2			
21	Plain Cement concrete cube of mix 1:2:4 , cast on 02 / 03 / 2020. P.C.C. for Foundation from Ch. 478 m To 506 m.	28 th day compressive strength	224.26	Kg/Cm2	210 kg/cm2	8.59	Quantity represents 31.00 Cum for two sets of cubes.
			228.79	Kg/Cm2			
			231.06	Kg/Cm2			
		Average	228.04	Kg/Cm2			
22	Plain Cement concrete cube of mix 1:2:4 , cast on 02 / 03 / 2020. P.C.C. for Foundation from Ch. 478 m To 506 m.	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	6.43	... Do ...
			212.93	Kg/Cm2			
			231.06	Kg/Cm2			
		Average	223.51	Kg/Cm2			
23	Plain Cement concrete cube of mix 1:2:4 , cast on 03 / 03 / 2020. P.C.C. for Foundation from Ch. 506 m To 535 m.	28 th day compressive strength	231.06	Kg/Cm2	210 kg/cm2	5.71	Quantity represents 32.00 Cum for two sets of cubes.
			210.67	Kg/Cm2			
			224.26	Kg/Cm2			
		Average	222.00	Kg/Cm2			
24	Plain Cement concrete cube of mix 1:2:4 , cast on 03 / 03 / 2020. P.C.C. for Foundation from Ch. 506 m To 535 m.	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.35	... Do ...
			219.73	Kg/Cm2			
			228.79	Kg/Cm2			
		Average	221.24	Kg/Cm2			

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
25	Plain Cement concrete cube of mix 1:2:4 , cast on 05 / 03 / 2020. P.C.C. for Foundation from Ch. 535 m To 563 m.	28 th day compressive strength	228.79	Kg/Cm2	210 kg/cm2	6.79	Quantity represents 33.00 Cum for two sets of cubes.
			203.87	Kg/Cm2			
			240.12	Kg/Cm2			
			Average	224.26			
26	Plain Cement concrete cube of mix 1:2:4 , cast on 05 / 03 / 2020. P.C.C. for Foundation from Ch. 535 m To 563 m.	28 th day compressive strength	208.40	Kg/Cm2	210 kg/cm2	5.35	... Do ...
			224.26	Kg/Cm2			
			231.06	Kg/Cm2			
			Average	221.24			
27	Plain Cement concrete cube of mix 1:2:4 , cast on 06 / 03 / 2020. P.C.C. for Foundation & Mid Concrete band from Ch. 563 m To 588 m.	28 th day compressive strength	215.20	Kg/Cm2	210 kg/cm2	6.79	Quantity represents 36.00 Cum for two sets of cubes.
			199.34	Kg/Cm2			
			258.24	Kg/Cm2			
			Average	224.26			
28	Plain Cement concrete cube of mix 1:2:4 , cast on 06 / 03 / 2020. P.C.C. for Foundation & Mid Concrete band from Ch. 563 m To 588 m.	28 th day compressive strength	240.12	Kg/Cm2	210 kg/cm2	10.03	... Do ...
			228.79	Kg/Cm2			
			224.26	Kg/Cm2			
			Average	231.06			
29	Plain Cement concrete cube of mix 1:2:4 , cast on 07 / 03 / 2020. P.C.C. for Foundation from Ch. 588 m To 616 m.	28 th day compressive strength	224.26	Kg/Cm2	210 kg/cm2	8.23	Quantity represents 31.00 Cum for two sets of cubes.
			206.14	Kg/Cm2			
			251.44	Kg/Cm2			
			Average	227.28			
30	Plain Cement concrete cube of mix 1:2:4 , cast on 07 / 03 / 2020. P.C.C. for Foundation from Ch. 588 m To 616 m.	28 th day compressive strength	240.12	Kg/Cm2	210 kg/cm2	4.63	... Do ...
			203.87	Kg/Cm2			
			215.20	Kg/Cm2			
			Average	219.73			
31	Plain Cement concrete cube of mix 1:2:4 , cast on 12 / 03 / 2020. P.C.C. for Foundation from Ch. 616 m To 645 m.	28 th day compressive strength	212.93	Kg/Cm2	210 kg/cm2	4.63	Quantity represents 37.00 Cum for two sets of cubes.
			217.47	Kg/Cm2			
			228.79	Kg/Cm2			
			Average	219.73			
32	Plain Cement concrete cube of mix 1:2:4 , cast on 12 / 03 / 2020. P.C.C. for Foundation from Ch. 616 m To 645 m.	28 th day compressive strength	226.53	Kg/Cm2	210 kg/cm2	6.43	... Do ...
			201.61	Kg/Cm2			
			242.38	Kg/Cm2			
			Average	223.51			

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

4. QC Lab File. 5. Bill File.

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