

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1143 to 1146,1159 to 1162,1170 to 1173,/ Lab / **09**/ 2021 - 22 Dated:- 16/ 04 / 2021. Laboratory : Bicholim - Goa
1190 to 1193,1210,1211,1226,1227,1238 to 1241,1254 to 1256, 1273 to 1276,1285 to 1288,1298,1299,1308,1309,1316 to 1319 Sub Division V (QC)/WRD/ Bicholim- Goa
1335 to 1338,1349 to 1352, 1372 to1375,1403,1404,1423,1424,1432 to 1435,1462 to 1465,1475 to 1478,1497 to 1500,1520 to 1523

Name of work : Improvement of damaged existing bund from Nerul bridge to Sinquerim in V.P.Candolim Bardez in Calangute Constituency.

Ref. to Requisition No.:SDII/WDI/WRD/F.24/20-21/476 Dated :- 27/ 02 / 2021.

Qty. Recived. :79 Sets of cube Date of Receipt:- 02/ 03 / 2021. Tested on: -02 to 27/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No.:5220 to 5223,5239 to 5242,5254 to 5257,5277 to 5280,5300,5301,5316,5317,5328 to 5331,5346 to 5348, 5367 to 5370,5385 to 5388, 5400,5401,5413,5414,5424 to 5427,5446 to 5449,5468 to 5471,5496 to 5499, 5529,5530,5554,5555,5563 to 5566,5593 to 5596,5607 to 5610,5632 to 5635,5658 to 5661/SS Lab. Sample No.: 606 to 684 Tested By: Mrs. Shirodkar. J.E.

Cube test witnessed by Mr.Rui Cardozo,representative by agency.M/s. Noor Construction Pvt.ltd. On 08 & 09/03/2021.

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SR. NO.	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 02/02/2021.For Ch.780.30 to 810.30-Foundation.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	2.12	Qty represents - 28.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	214.44 Kg/Cm²			
2	Cement concrete cube of mix 1 : 2: 4 , cast on 02/02/2021.For Ch.780.30 to 810.30-Foundation.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	12.54	----- do -----
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	236.34 Kg/Cm²			
3	Cement concrete cube of mix 1 : 2: 4 , cast on 02/02/2021.For Ch.810.30 to 840.30-Foundation.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 28.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	222.00 Kg/Cm²			
4	Cement concrete cube of mix 1 : 2: 4 , cast on 02/02/2021.For Ch.810.30 to 840.30-Foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	230.30 Kg/Cm²			
5	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2021.For Ch.840.30 to 870.30-Foundation.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 28.00 Cum for two sets of cubes.
			217.47	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	220.49 Kg/Cm²			
6	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2021.For Ch.840.30 to 870.30-Foundation.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	15.42	----- do -----
			258.24	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	242.38 Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value nermissable	% above or below	REMARK
7	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2021.For Ch.870.30 to 900-Foundation.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 28.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			246.91	Kg/Cm ²			
			Average	234.08			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2021.For Ch.870.30 to 900-Foundation.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.35	----- do -----
			199.34	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	221.24			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2021.For Ch.780.30 to 810.30-(1st lift).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 25.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	220.49			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2021.For Ch.780.30 to 810.30-(1st lift).	28 th day compressive strength	199.34	Kg/Cm ²	210.00 Kg/cm ²	4.27	----- do -----
			219.73	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	218.98			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2021.For Ch.810.30 to 840.30-(1st lift).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 25.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	225.77			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2021.For Ch.810.30 to 840.30-(1st lift).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.20	----- do -----
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	216.71			
13	Cement concrete cube of mix 1 : 2: 4 , cast on 05/02/2021.For Ch.840.30 to 870.30-(1st lift).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 25.00 Cum for two sets of cubes.
			210.67	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	225.02			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 05/02/2021.For Ch.840.30 to 870.30-(1st lift).	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			244.65	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	222.00			

Junior Engineer

Assistant Engineer

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SR. NO.	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 05/02/2021.For Ch.870.30 to 900-(1st lift).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 25.00 Cum for two sets of cubes.
			210.67	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2: 4 , cast on 05/02/2021.For Ch.870.30 to 900-(1st lift).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2021.For Ch.780.30 to 810.30-(2 nd lift).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents -18.00 Cum.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2021.For Ch.810.30 to 840.30-(2 nd lift).	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents -18.00 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
19	Cement concrete cube of mix 1 : 2: 4 , cast on 08/02/2021.For Ch.840.30 to 870.30-(2 nd lift).	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents -18.00 Cum.
			251.44	Kg/Cm ²			
			201.61	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
20	Cement concrete cube of mix 1 : 2: 4 , cast on 08/02/2021.For Ch.870.30 to 900m-(2 nd lift).	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents -18.00 Cum.
			237.85	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
21	Cement concrete cube of mix 1 : 2: 4 , cast on 09/02/2021.For Ch.900 to 930m-(Foundation).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 28.00 Cum for two sets of cubes.
			251.44	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
22	Cement concrete cube of mix 1 : 2: 4 , cast on 09/02/2021.For Ch.900 to 930m-(Foundation).	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			215.20	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

Junior Engineer

Assistant Engineer

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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 09/02/2021.For Ch.930 to 960m-(Foundation).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 22.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
24	Cement concrete cube of mix 1 : 2: 4 , cast on 09/02/2021.For Ch.930 to 960m-(Foundation).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
25	Cement concrete cube of mix 1 : 2: 4 , cast on 10/02/2021.For Ch.960 to 990m-(Foundation).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 20.00 Cum.
			244.65	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
26	Cement concrete cube of mix 1 : 2: 4 , cast on 10/02/2021.For Ch.990 to 1020m-(Foundation).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 25.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
27	Cement concrete cube of mix 1 : 2: 4 , cast on 10/02/2021.For Ch.990 to 1020m-(Foundation).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.79	----- do -----
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
28	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2021.For Ch.900 to 930m-(1 st lift).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 25.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
29	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2021.For Ch.900 to 930m-(1 st lift).	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	12.90	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
30	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2021.For Ch.930 to 960m-(1 st lift).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 25.00 Cum for two sets of cubes.
			255.97	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	240.12	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
31	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2021.For Ch.930 to 960m-(1 st lift).	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 25.00 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
32	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2021.For Ch.960 to 990m-(1 st lift).	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 22.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			
33	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2021.For Ch.960 to 990m-(1 st lift).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.47	----- do -----
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
34	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2021.For Ch.990 to 1020m-(1 st lift).	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 25.00 Cum for two sets of cubes.
			240.12	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	243.89	Kg/Cm²			
35	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2021.For Ch.990 to 1020m-(1 st lift).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			258.24	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
36	Cement concrete cube of mix 1 : 2: 4 , cast on 13/02/2021.For Ch.900 to 930m-(2 nd lift).	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 18.00 Cum.
			249.18	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
37	Cement concrete cube of mix 1 : 2: 4 , cast on 13/02/2021.For Ch.930 to 960m-(2 nd lift).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 18.00 Cum.
			237.85	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
38	Cement concrete cube of mix 1 : 2: 4 , cast on 15/02/2021.For Ch.960 to 990m-(2 nd lift).	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 18.00 Cum.
			240.12	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	234.83	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
39	Cement concrete cube of mix 1 : 2: 4 , cast on 15/02/2021.For Ch.960 to 1020m-(2 nd lift).	28 th day compressive strength	199.34	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
40	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2021.For Ch.1020 to 1050m-(Foundation).	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.86	Qty represents - 28.00 Cum for two sets of cubes.
			260.51	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
41	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2021.For Ch.1020 to 1050m-(Foundation).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.18	----- do -----
			244.65	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
42	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2021.For Ch.1050 to 1080m-(Foundation).	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents - 28.00 Cum for two sets of cubes.
			251.44	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
43	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2021.For Ch.1050 to 1080m-(Foundation).	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	18.66	----- do -----
			258.24	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	249.18	Kg/Cm²			
44	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2021.For Ch.1080 to 1110m-(Foundation).	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 28.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
45	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2021.For Ch.1080 to 1110m-(Foundation).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
46	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2021.For Ch.1110 to 1140m-(Foundation).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 28.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	221.24	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
47	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2021.For Ch.1110 to 1140m-(Foundation).	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 28.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	231.81			
48	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2021.For Ch.1020 to 1050m-(1 st lift).	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 25.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	234.08			
49	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2021.For Ch.1020 to 1050m-(1 st lift).	28 th 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			
50	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2021.For Ch.1050 to 1080m-(1 st lift).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 25.00 Cum for two sets of cubes.
			242.38	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	220.49			
51	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2021.For Ch.1050 to 1080m-(1 st lift).	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	10.03	----- do -----
			226.53	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	231.06			
52	Cement concrete cube of mix 1 : 2: 4 , cast on 19/02/2021.For Ch.1080 to 1110m-(1 st lift).	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 25.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	222.75			
53	Cement concrete cube of mix 1 : 2: 4 , cast on 19/02/2021.For Ch.1080 to 1110m-(1 st lift).	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	244.65			
54	Cement concrete cube of mix 1 : 2: 4 , cast on 19/02/2021.For Ch.1110 to 1140m-(1 st lift).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 25.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	237.10			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
55	Cement concrete cube of mix 1 : 2: 4 , cast on 19/02/2021.For Ch.1110 to 11140m-(1 st lift).	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 25.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			246.91	Kg/Cm ²			
			Average	239.36			
56	Cement concrete cube of mix 1 : 2: 4 , cast on 20/02/2021.For Ch.1020 to 1050m-(2 nd lift).	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents -18.00 Cum.
			260.51	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	239.36			
57	Cement concrete cube of mix 1 : 2: 4 , cast on 20/02/2021.For Ch.1050 to 1080m-(2 nd lift).	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents -18.00 Cum.
			199.34	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	233.32			
58	Cement concrete cube of mix 1 : 2: 4 , cast on 22/02/2021.For Ch.1080 to 1110m-(2 nd lift).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents -18.00 Cum.
			237.85	Kg/Cm ²			
			206.14	Kg/Cm ²			
			Average	218.98			
59	Cement concrete cube of mix 1 : 2: 4 , cast on 22/02/2021.For Ch.1080 to 1140m-(2 nd lift).	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	15.78	Qty represents -18.00 Cum.
			237.85	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	243.14			
60	Cement concrete cube of mix 1 : 2: 4 , cast on 23/02/2021.For Ch.1110 to 1170m-(Foundation).	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents -28.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	240.87			
61	Cement concrete cube of mix 1 : 2: 4 , cast on 23/02/2021.For Ch.1110 to 1170m-(Foundation).	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			246.91	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	244.65			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
62	Cement concrete cube of mix 1 : 2: 4 , cast on 23/02/2021.For Ch.1170 to 1120m-(Foundation).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents -28.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	242.38			
63	Cement concrete cube of mix 1 : 2: 4 , cast on 23/02/2021.For Ch.1170 to 1120m-(Foundation).	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	230.30			
64	Cement concrete cube of mix 1 : 2: 4 , cast on 24/02/2021.For Ch.1200 to 1230m-(Foundation).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents -28.00 Cum for two sets of cubes.
			242.38	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	237.85			
65	Cement concrete cube of mix 1 : 2: 4 , cast on 24/02/2021.For Ch.1200 to 1230m-(Foundation).	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			246.91	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	223.51			
66	Cement concrete cube of mix 1 : 2: 4 , cast on 24/02/2021.For Ch.1230 to 1248m-(Foundation).	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents -28.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	216.71			
67	Cement concrete cube of mix 1 : 2: 4 , cast on 24/02/2021.For Ch.1230 to 1248m-(Foundation).	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	228.04			
68	Cement concrete cube of mix 1 : 2: 4 , cast on 25/02/2021.For Ch.1140 to 1170m-(1 st lift).	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents -25.00 Cum for two sets of cubes.
			267.30	Kg/Cm ²			
			251.44	Kg/Cm ²			
			Average	254.46			
69	Cement concrete cube of mix 1 : 2: 4 , cast on 25/02/2021.For Ch.1140 to 1170m-(1 st lift).	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			242.38	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	240.87			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
70	Cement concrete cube of mix 1 : 2: 4 , cast on 25/02/2021.For Ch.1170 to 1200m-(1 st lift).	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents -25.00 Cum for two sets of cubes.
			201.61	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	226.53			
71	Cement concrete cube of mix 1 : 2: 4 , cast on 25/02/2021.For Ch.1170 to 1200m-(1 st lift).	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			249.18	Kg/Cm ²			
			253.71	Kg/Cm ²			
			Average	244.65			
72	Cement concrete cube of mix 1 : 2: 4 , cast on 26/02/2021.For Ch.1200 to 1230m-(1 st lift).	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents -25.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	218.98			
73	Cement concrete cube of mix 1 : 2: 4 , cast on 26/02/2021.For Ch.1200 to 1230m-(1 st lift).	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	13.98	----- do -----
			226.53	Kg/Cm ²			
			246.91	Kg/Cm ²			
			Average	239.36			
74	Cement concrete cube of mix 1 : 2: 4 , cast on 26/02/2021.For Ch.1230 to 1248m-(1 st lift).	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents -25.00 Cum for two sets of cubes.
			210.67	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	222.75			
75	Cement concrete cube of mix 1 : 2: 4 , cast on 26/02/2021.For Ch.1230 to 1248m-(1 st lift).	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	7.15	----- do -----
			208.40	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	225.02			
76	Cement concrete cube of mix 1 : 2: 4 , cast on 27/02/2021.For Ch.1140 to 1170m-(2 nd lift).	28 th day compressive strength	265.04	Kg/Cm ²	210.00 Kg/cm ²	17.22	Qty represents -18.00 Cum.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	246.16			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
77	Cement concrete cube of mix 1 : 2: 4 , cast on 27/02/2021.For Ch.1170 to 1200m-(2 nd lift).	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	15.78	Qty represents -18.00 Cum.
			242.38	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	243.14			
78	Cement concrete cube of mix 1 : 2: 4 , cast on 27/02/2021.For Ch.1200 to 1230m-(2 nd lift).	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents -14.00 Cum.
			235.59	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	242.38			
79	Cement concrete cube of mix 1 : 2: 4 , cast on 27/02/2021.For Ch.1230 to 1248m-(2 nd lift).	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents -14.00 Cum.
			255.97	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	254.46			

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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