

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1735,1736,1742,1743,1746,1747,1759/ Lab /**57** / 2021 - 22 Dated:- 06/05/ 2021 Laboratory : Bicholim - Goa.
,1760,1779, 1780,1787,1788,1797,1798,1799,1800,1808,1809,1813,1814,1838,1839,1845,1846,1857,1858,1875,1876 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Improvement to the existing Bund and Manas at Konadi Corgao in Pernem Taluka.

Ref. to Requisition No.: MI/SDIII/WDI/F-58/2021-22/11 dt. 08/04/2021.

Qty. Recived. : 28 Sets of cube Date of Receipt:- 19/04/ 2021. Tested on: -19 to 24,26 to 30/04/2021 & 01,03,04/05/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No:5917,5918,5926,5927,

,5935,5936,5960,5961,5970,5971,5989,5990,5995,5996,6009,6010,6016,6017,6045,6046,6055,6056,6070,6071,6090,6091/SS & 40,41/RK.

Lab. Sample No.: 1254 TO 1281 Tested By: Mrs.R.R.Kadam.AE & Mrs. Shirodkar. J.E.

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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 22/03/2021. Ch-410.00 to Ch-480.00 (1)	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents - 38.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/03/2021. Ch-410.00 to Ch-480.00 (1)	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.07	----- do -----
			237.85	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/03/2021. Ch-480.00 to Ch-430.00 (1)	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 35.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/03/2021. Ch-480.00 to Ch-430.00 (1)	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	12.18	----- do -----
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 24/03/2021. Ch-430.00 to Ch-500.00 (1)	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 38.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.81	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 24/03/2021. Ch-430.00 to Ch-500.00 (1)	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 38.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			255.97	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/03/2021. Ch-400.00 to Ch-480.00 (2)	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 38.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/03/2021. Ch-400.00 to Ch-480.00 (2)	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	11.82	----- do -----
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/03/2021. Ch-500.00 to Ch-580.00 (1)	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	20.09	Qty represents - 38.00 Cum for two sets of cubes.
			253.71	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	252.20	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/03/2021. Ch-500.00 to Ch-580.00 (1)	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			215.20	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 27/03/2021. Ch-580.00 to Ch-630.00 (1)	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 36.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 27/03/2021. Ch-580.00 to Ch-630.00 (1)	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	7.87	----- do -----
			249.18	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	226.53	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/03/2021. Ch-480.00 to Ch-550.00 (2)	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 32.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	244.65	Kg/Cm ²			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/03/2021. Ch-480.00 to Ch-550.00 (2)	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	10.39	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	231.81	Kg/Cm ²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/03/2021. Ch-440.00 to Ch-520.00 (3)	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents -38.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	232.57	Kg/Cm ²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/03/2021. Ch-440.00 to Ch-520.00 (3)	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			217.47	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	219.73	Kg/Cm ²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 31/03/2021. Ch-550.00 to Ch-620.00 (2)	28 th day compressive strength	255.97	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents -36.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	247.67	Kg/Cm ²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 31/03/2021. Ch-550.00 to Ch-620.00 (2)	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	223.51	Kg/Cm ²			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/04/2021. Ch-620.00 to Ch-700.00 (2)	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents -40.00 Cum for two sets of cubes.
			233.32	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	217.47	Kg/Cm ²			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
20	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/04/2021. Ch-620.00 to Ch-700.00 (2)	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents -40.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
21	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/04/2021. Ch-520.00 to Ch-590.00 (3)	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents -42.00 Cum for two sets of cubes.
			217.47	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
22	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/04/2021. Ch-520.00 to Ch-590.00 (3)	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	6.07	----- do -----
			228.79	Kg/Cm ²			
			199.34	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
23	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/04/2021. Ch-590.00 to Ch-680.00 (3)	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents -36.00 Cum for two sets of cubes.
			253.71	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
24	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/04/2021. Ch-590.00 to Ch-680.00 (3)	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	10.39	----- do -----
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
25	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/04/2021. Ch-130.00 to Ch-220.00 (4)	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents -30.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
26	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/04/2021. Ch-130.00 to Ch-220.00 (4)	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	2.48	----- do -----
			217.47	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	215.20	Kg/Cm²			

Juniour Engineer

Assistant Engineer

SR.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value	% above or	REMARK
27	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/04/2021. Ch-220.00 to Ch-310.00 (4)	28 th day compressive strength	226.53	Kg/Cm ²	21.00 Kg/cm ²	11.11	Qty represents -34.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	233.32	Kg/Cm ²			
28	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/04/2021. Ch-220.00 to Ch-310.00 (4)	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			224.26	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm ²			

- Copy to: 1. The Assistant Engineer , SDIII , WD I, WRD, Dhargal, Pernem - 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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