

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :1862,1863,1870,1871,1880,1881,1897,1898,1909/ Lab / **80** / 2021- 22 Dated:- 24 / 05 / 2021. Laboratory : Bicholim - Goa.
,1910,1921 ,1922,1937 ,1938,1941,1942,1947,1948,1960,1961,2003,2004, Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Development of Poi in Survey No. 169 near Fishing Jetty and Beautification of bund of River Chapora in V.P.Siolim in Siolim Constituency

Ref. to Requisition No.: SDI/WDI/WRD/F.57/21-22/27 Dated :- 26/ 04/ 2021.

Qty. Recived. : 22 Sets of cube Date of Receipt:- 27/ 04 / 2021. Tested on: -03,04,05,06,07,08,10,11,12,13,17/05/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No. :6075,6076,6085,6086,6097,6098,6119,6120,6135,6136,6151,6152,6162,6163,6170,6171,6185,6186,6233,6234/SS & 54,55/RK Lab.

Sample No.: 1342 To 1363 Tested By:Mrs.R.R.Kadam.A.E & Mrs. Shirodkar. J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 05/04/2021. For Foundation & Plinth.	28 th day compressive strenath	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents -33.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	218.22			
2	Cement concrete cube of mix 1:2:4 , cast on 05/04/2021. For Foundation & Plinth.	28 th day compressive strenath	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			235.59	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	219.73			
3	Cement concrete cube of mix 1:2:4 , cast on 06/04/2021. For Foundation & Plinth.	28 th day compressive strenath	235.59	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents -32.00 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	219.73			
4	Cement concrete cube of mix 1:2:4 , cast on 06/04/2021. For Foundation & Plinth.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.48	----- do -----
			203.87	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	215.20			
5	Cement concrete cube of mix 1:2:4 , cast on 07/04/2021. For Foundation & Plinth.	28 th day compressive strenath	260.51	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents -31.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	246.91			
6	Cement concrete cube of mix 1:2:4 , cast on 07/04/2021. For Foundation & Plinth.	28 th day compressive strenath	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.86	----- do -----
			246.91	Kg/Cm ²			
			240.12	Kg/Cm ²			
			Average	245.40			

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 08/04/2021. For Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 33.00 Cum for two sets of cubes.
			253.71	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 08/04/2021. For Foundation & Plinth.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			208.40	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 09/04/2021. For Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 30.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 09/04/2021. For Foundation & Plinth.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			251.44	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 10/04/2021. For Foundation & Plinth.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 30.00 Cum for two sets of cubes.
			255.97	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 10/04/2021. For Foundation & Plinth.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	13.98	----- do -----
			228.79	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 12/04/2021. For Foundation & Plinth.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 32.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 12/04/2021. For Foundation & Plinth.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	222.00	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
15	Cement concrete cube of mix 1:2:4 , cast on 13/04/2021. For Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 33.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 13/04/2021. For Foundation & Plinth.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	10.75	----- do -----
			260.51	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 14/04/2021. For Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents -35.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
18	Cement concrete cube of mix 1:2:4 , cast on 14/04/2021. For Foundation & Plinth.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			217.47	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
19	Cement concrete cube of mix 1:2:4 , cast on 15/04/2021. For Foundation & Plinth.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents -33.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
20	Cement concrete cube of mix 1:2:4 , cast on 15/04/2021. For Foundation & Plinth.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	2.12	----- do -----
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
21	Cement concrete cube of mix 1:2:4 , cast on 19/04/2021. For Foundation & Plinth.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents -32.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
22	Cement concrete cube of mix 1:2:4 , cast on 19/04/2021. For Foundation & Plinth.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	19.02	----- do -----
			258.24	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	249.93	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.

Junior Engineer

Assistant Engineer