

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2047,2048,2050,2051,2058,2059,2063,2064,2101,2102/ Lab /101 / 2021 - 22 Dated:- 10/ 06/ 2021. Laboratory : Bicholim - Goa.
2111,2112,2122 ,2123,2132,2133,2146,2147,2166,2167,2181,2182 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of Protection wall for Nalla on both sides from main road to Sagun Sinari House and Govind Parab house to Shekri,at Pimpalwada, Amona in Bicholim Taluka.

Ref. to Requisition No.:F.226/WRD/WDVI/SDI/64/2021-22 Dated :- 19/ 05/ 2021.

Qty. Received. :22 Sets of cube Date of Receipt:- 20/ 05 / 2021. Tested on:- 22,23,24,25/05/2021 & 01,02,03,04,05,06,07/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No. : 6271,6272,6274,6275,6282,6283,6289,6290,6338,6339,6350,6351/SS,67,68/RK,6362,6363,6377,6378,6397,6398,6412,6413/SS. Lab.

Sample No.: 1546 To 1567 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 permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 24/04/2021. PCC for 2 nd step of L.H.S wall from ch 300m to 310m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 9.00 Cum.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 24/04/2021. PCC for 2 nd step of R.H.S wall from ch 300m to 310m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 9.00 Cum.
			219.73	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	221.24			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/04/2021. PCC for 1 st step of L.H.S wall from ch 270m to 280m.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 13.50 Cum.
			224.26	Kg/Cm ²			
			222.00	Kg/Cm ²			
			Average	218.22			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/04/2021. PCC for 1 st step of R.H.S wall from ch 270m to 280m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 13.50 Cum.
			233.32	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	231.81			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/04/2021. PCC for Foundation of R.H.S wall from ch 260m to ch 270m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	18.66	Qty represents - 18.00 Cum.
			258.24	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	249.18			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/04/2021. PCC for Foundation of L.H.S wall from ch 260m to ch 270m.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	21.53	Qty represents - 18.00 Cum.
			271.83	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	255.22			

Junior Engineer

Assistant Engineer

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SR. NO	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 27/04/2021. PCC for 2 nd step of R.H.S wall from ch 290m to 300m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 9.00 Cum.
			233.32	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	222.00			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 27/04/2021. PCC for 2 nd step of L.H.S wall from ch 290m to 300m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 9.00 Cum.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	226.53			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2021. PCC for 2 nd step of L.H.S wall from ch 280m to 290m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 9.00 Cum.
			242.38	Kg/Cm ²			
			222.00	Kg/Cm ²			
			Average	227.28			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2021. PCC for 2 nd step of R.H.S wall from ch 280m to 290m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 9.00 Cum.
			244.65	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	234.08			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2021. PCC for 3 rd step of L.H.S wall from ch 310m to 340m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 6.00 Cum.
			224.26	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	229.55			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2021. PCC for 3 rd step of R.H.S wall from ch 310m to ch 340m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 6.00 Cum.
			219.73	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	222.00			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2021. PCC for Foundation of R.H.S wall from ch 250m to ch 260m.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 18.00 Cum.
			237.85	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	235.59			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2021. PCC for Foundation of L.H.S wall from ch 250m to ch 260m.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 18.00 Cum.
			217.47	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	226.53			

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 07/05/2021. PCC for 2 nd step of L.H.S wall from ch 270m to 280m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 9.00 Cum.
			240.12	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/05/2021. PCC for 2 nd step of R.H.S wall from ch 270m to 280m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 9.00 Cum.
			226.53	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	231.06	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/05/2021. PCC for 1 st step of L.H.S wall from ch 260m to ch 270m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 13.50 Cum.
			217.47	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/05/2021. PCC for 1 st step of R.H.S wall from ch 260m to ch 270m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 13.50 Cum.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/05/2021. PCC for 1 st step of L.H.S wall from ch 250m to ch 260m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 13.50 Cum.
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
20	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/05/2021. PCC for 1 st step of R.H.S wall from ch 250m to ch 260m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 13.50 Cum.
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
21	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/05/2021. PCC for Foundation of R.H.S wall from ch 240m to ch 250m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 18.00 Cum.
			203.87	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
22	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/05/2021. PCC for Foundation of L.H.S wall from ch 240m to ch 250m.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 18.00 Cum.
			206.14	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	219.73	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer