

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1165 to 1168,1174 to 1177,1194/ Lab / **289**/ 2020 - 21 Dated:- 09/03 / 2021. Laboratory : Bicholim - Goa.
.1195,1196,1197 .1212,1213,1214,1215 Sub Division V (OC)/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.211/WRD/WDVI/SDI/509/2020-21 Dated :- 08/ 02 / 2021.

Qty. Recived. :16 Sets of cube Date of Receipt:- 08/02/ 2021. Tested on: -03 to 06/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 :2 :4 O.S No.:5245,5246 to 5248,5258 to 5261,5281 to 5284,5302 to 5305/SS. Lab.Sample No.: 378 To 393 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

REPORT PAGE 01 OF 03

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 03/02/2021. For 2 nd step of L.H.S wall from ch 140m to 150m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 9.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
2	Cement concrete cube of mix 1 :2 : 4 , cast on 03/02/2021. For 2 nd step of L.H.S wall from ch 140m to 150m.	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			
3	Cement concrete cube of mix 1 :2 : 4 , cast on 03/02/2021. For 1 st step of L.H.S wall from ch 150m to 160m.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 13.50 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
4	Cement concrete cube of mix 1 :2 : 4 , cast on 03/02/2021. For 1 st step of L.H.S wall from ch 150m to 160m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			228.79	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
5	Cement concrete cube of mix 1 :2 : 4 , cast on 04/02/2021. For Foundation of L.H.S wall from ch 310m to 320m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 16.50 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

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 04/02/2021. For Foundation of L.H.S wall from ch 310m to 320m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 16.50 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/02/2021. For Foundation of R.H.S wall from ch 310m to 320m.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents -16.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/02/2021. For Foundation of R.H.S wall from ch 310m to 320m.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	13.62	----- do -----
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2021. For 2 nd step of L.H.S wall from ch 150m to 160m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 9.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2021. For 2 nd step of L.H.S wall from ch 150m to 160m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	11.82	----- do -----
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2021. For Foundation of L.H.S wall from ch 320m to 330m.	28 th day compressive strength	255.97	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 16.50 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/02/2021. For Foundation of L.H.S wall from ch 320m to 330m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.98	----- do -----
			249.18	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Foundation of R.H.S wall from ch 320m to 340m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 33.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	236.34	Kg/Cm²			

REPORT PAGE 03 OF 03

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Foundation of R.H.S wall from ch 320m to 340m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 33.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Foundation of L.H.S wall from ch 320m to 340m.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 16.50 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Foundation of L.H.S wall from ch 320m to 340m.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	15.06	----- do -----
			237.85	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	241.63	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDI , 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