

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :1359,1360,1361,1362,1382,1383,1384,/ Lab / **05** / 2021 - 22 Dated:-15 / 04 / 2021. Laboratory : Bicholim - Goa.
1385,1407,1408,1409,1410 ,1427,1428,1429,1430,1447,1448,1449,1450 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/613/2020-21 Dated :- 18/ 03 / 2021.

Qty. Recived. :20 Sets of cube Date of Receipt:- 18/ 03 / 2021. Tested on: - 18,19,20,22 & 23/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. :5478,5479,5480,5481,5506,5507,5508,5509,5533,5534,5535,5536,5558,5559,5560,5561,5578,5579,5580,5581 /SS Lab. Sample No.: 902 to 921 Tested By: 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 18/02/2021. For 3 rd step of L.H.S wall from ch 120m to ch 160m.	28 th day compressive strenath	249.18	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents -8.00 Cum.
			212.93	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	227.28			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/02/2021. For 3 rd step of R.H.S wall from ch 120m to ch 160m.	28 th day compressive strenath	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.86	Qty represents -8.00 Cum.
			244.65	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	245.40			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/02/2021. For 1 st step of L.H.S wall from ch 310m to ch 320m.	28 th day compressive strenath	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 13.50 Cum.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	219.73			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/02/2021. For 1 st step of R.H.S wall from ch 310m to ch 320m.	28 th day compressive strenath	240.12	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 13.50 Cum.
			237.85	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	237.10			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/02/2021. For 1st step of L.H.S wall from ch 320m to ch 330m.	28 th day compressive strenath	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 13.50 Cum.
			235.59	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	221.24			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/02/2021. For 1st step of R.H.S wall from ch 320m to ch 330m.	28 th day compressive strenath	203.87	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 13.50 Cum.
			212.93	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	220.49			

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 19/02/2021. For 1st step of L.H.S wall from ch 330m to ch 340m.	28 th day compressive strenath	253.71	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents -13.50 Cum.
			219.73	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/02/2021. For 1st step of R.H.S wall from ch 330m to ch 340m.	28 th day compressive strenath	253.71	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents -13.50 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/02/2021. For 2nd step L.H.S wall from ch 310m to ch 320m.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents -9.00 Cum.
			219.73	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/02/2021. For 2nd step R.H.S wall from ch 310m to ch 320m.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 9.00 Cum.
			215.20	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/01/2021. For Foundation of R.H.S wall from ch 300m to ch 310m.	28 th day compressive strength	267.30	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 16.50 Cum.
			215.20	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/01/2021. For Foundation of L.H.S wall from ch 300m to ch 310m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents - 16.50 Cum.
			246.91	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	247.67	Kg/Cm²			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/01/2021. For 2nd step L.H.S wall from ch 320m to ch 330m.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 9.00 Cum.
			235.59	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/01/2021. For 2nd step R.H.S wall from ch 320m to ch 330m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 9.00 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			

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Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/02/2021. For Foundation of R.H.S wall from ch 290m to ch 300m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	1.76	Qty represents - 16.50 Cum.
			217.47	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	213.69	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/02/2021. For Foundation of L.H.S wall from ch 290m to ch 300m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 16.50 Cum.
			208.40	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/02/2021. For 2nd step L.H.S wall from ch 330m to ch 340m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 9.00 Cum.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/02/2021. For 2nd step R.H.S wall from ch 330m to ch 340m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 9.00 Cum.
			203.87	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/02/2021. For Foundation of R.H.S wall from ch 280m to ch 290m.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 16.50 Cum.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
20	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/02/2021. For Foundation of L.H.S wall from ch 280m to ch 290m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 16.50 Cum.
			228.79	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	227.28	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

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