

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3252,3253,3258,3259,3267/ Lab /325/ 2021 - 22 Dated:- 09 / 03 /2022.

Laboratory : Bicholim - Goa.

3268,3276, 3277,3295,3296,3304,3305,3336,3337,3344,3345,3362 & 3363

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/490/2021-22 Dt.:- 18/ 02 /2022.

Qty. Recived. : 18 Sets of cube Date of Receipt:- 25/ 02/ 2022. Tested on: -25,26,27 & 28/02/2022 & 02,03,04,05 & 06/03/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. :7749 & 7750/SS & 130,131/R.K. & 7753,7754,7762,7763,7784,7785/SS & 139,140/R.K. & 7807,7808,7817,7818,7835, & 7836/SS Lab. Sample No.: 3085 to 3102 Tested By: Mrs. R.R.Kadam A.E. & Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2: 4 , cast on 28/01/2022. PCC for foundation of R.H.S wall from Ch 480m to Ch 490m	28 th day compressive strength	253.71	Ka/Cm ²	210.00 Kg/cm ²	18.66	Qty represents - 18.00 Cum.
			237.85	Ka/Cm ²			
			255.97	Kg/Cm ²			
		Average	249.18	Ka/Cm²			
2	Cement concrete cube of mix 1 : 2: 4 , cast on 28/01/2022. PCC for foundation of L.H.S wall from Ch 480m to Ch 490m	28 th day compressive strength	244.65	Ka/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 18.00 Cum.
			242.38	Ka/Cm ²			
			226.53	Kg/Cm ²			
		Average	237.85	Ka/Cm²			
3	Cement concrete cube of mix 1 : 2: 4 , cast on 29/01/2022. PCC for 1st step of L.H.S wall from Ch 460m to Ch 480m	28 th day compressive strength	235.59	Ka/Cm ²	210.00 Kg/cm ²	16.86	Qty represents - 27.00 Cum.
			246.91	Ka/Cm ²			
			253.71	Kg/Cm ²			
		Average	245.40	Ka/Cm²			
4	Cement concrete cube of mix 1 : 2: 4 , cast on 29/01/2022. PCC for 1st step of R.H.S wall from Ch 460m to Ch 480m	28 th day compressive strength	244.65	Ka/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 27.00 Cum.
			237.85	Ka/Cm ²			
			240.12	Kg/Cm ²			
		Average	240.87	Ka/Cm²			
5	Cement concrete cube of mix 1 : 2: 4 , cast on 30/01/2022. PCC for foundation of R.H.S wall from Ch 490m to Ch 500m	28 th day compressive strength	253.71	Ka/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 18.00 Cum.
			231.06	Ka/Cm ²			
			242.38	Kg/Cm ²			
		Average	242.38	Ka/Cm²			
6	Cement concrete cube of mix 1 : 2: 4 , cast on 30/01/2022. PCC for foundation of L.H.S wall from Ch 490m to Ch 500m	28 th day compressive strength	246.91	Ka/Cm ²	210.00 Kg/cm ²	15.06	Qty represents - 18.00 Cum.
			237.85	Ka/Cm ²			
			240.12	Kg/Cm ²			
		Average	241.63	Ka/Cm²			

Junior Engineer

Assistant Engineer

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min. Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1 : 2: 4 , cast on 31/01/2022. PCC for foundation of R.H.S wall from Ch 500m to Ch 510m	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 18.00 Cum.
			212.93	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 31/01/2022. PCC for foundation of L.H.S wall from Ch 500m to Ch 510m	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 18.00 Cum.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 02/02/2022. PCC for foundation of R.H.S wall from Ch 510m to Ch 520m	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 18.00 Cum.
			235.59	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 02/02/2022. PCC for foundation of L.H.S wall from Ch 510m to Ch 520m	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 18.00 Cum.
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2022. PCC for 1st step of L.H.S wall from Ch 480m to Ch 500m	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 27.00 Cum.
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 03/02/2022. PCC for 1st step of R.H.S wall from Ch 480m to Ch 500m	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 27.00 Cum.
			224.26	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
13	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2022. PCC for 2nd step of R.H.S wall from Ch 460m to Ch 480m	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 04/02/2022. PCC for 2nd step of L.H.S wall from Ch 460m to Ch 480m	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	230.30	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR.N O.	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 05/02/2022. PCC for 3rd step of L.H.S wall from Ch 350m to Ch 450m	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 20.00 Cum.
			235.59	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2: 4 , cast on 05/02/2022. PCC for 3rd step of R.H.S wall from Ch 350m to Ch 450m	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 20.00 Cum.
			215.20	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2022. PCC for 1st step of L.H.S wall from Ch 500m to Ch 510m	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	18.66	Qty represents - 14.00 Cum.
			249.18	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	249.18	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2022. PCC for 1st step of R.H.S wall from Ch 500m to Ch 510m	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 14.00 Cum.
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	235.59	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD I , WDVI , 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