

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3186, 3187,3188,3196,3197,3204,3205,3206,3214,3215,/ Lab /**309**/ 2021 - 22 Dated:- 22/ 02/2022. Laboratory : Bicholim - Goa.
3220,3221,3222,3224, 3225,3230 & 3231 Sub Division V (QC)/WRD/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/480/2021-22 Dt.:- 11/ 02/ 2022

Qty. Recived. : 17 Sets of cube Date of Receipt:- 15-02 -2022. Tested on: - 15,16,17,18,19,20 & 21/02/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample:Cube Mix PCC 1:2:4 O.SNo.:7665,7666,7667,7678,7679,7689,7691,7692,7701,7702,7712,7713,7714,7717,7718,7724 & 7725/SS Lab. Sample No.: 3000 To 3016 Tested By:
Mrs. S.B. Naik Shirodkar. J.E.

REPORT PAGE 01 OF 03

SR.N O.	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 18/01/2022. PCC for foundation of R.H.S wall from Ch 440m to Ch 450m	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/01/2022. PCC for foundation of L.H.S wall from Ch 440m to Ch 450m	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/01/2022. PCC for 1st step of L.H.S wall from Ch 425m to Ch 440m	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 20.50 Cum.
			226.53	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/01/2022. PCC for 1st step of R.H.S wall from Ch 425m to Ch 440m	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 20.50 Cum.
			249.18	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/01/2022. PCC for foundation of R.H.S wall from Ch 450m to Ch 460m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 18.00 Cum.
			212.93	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 19/01/2022. PCC for foundation of L.H.S wall from Ch 450m to Ch 460m.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	235.59	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

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 20/01/2022. PCC for 2nd step of L.H.S wall from Ch 400m to Ch 420m.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 18.00 Cum.
			235.59	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 20/01/2022. PCC for 2nd step of R.H.S wall from Ch 400m to Ch 420m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 18.00 Cum.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 21/01/2022. PCC for foundation of R.H.S wall from Ch 460m to Ch 470m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 21/01/2022. PCC for foundation of L.H.S wall from Ch 460m to Ch 470m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 18.00 Cum.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 22/01/2022. PCC for 1st step of L.H.S wall from Ch 440m to Ch 460m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 27.00 Cum.
			249.18	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	243.89	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 22/01/2022. PCC for 1st step of R.H.S wall from Ch 440m to Ch 460m.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 27.00 Cum.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	240.12	Kg/Cm²			
13	Cement concrete cube of mix 1 : 2: 4 , cast on 22/01/2022. PCC for 2nd step of R.H.S wall from Ch 420m to Ch 440m.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	2.12	Qty represents - 18.00 Cum.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 23/01/2022. PCC for foundation of R.H.S wall from Ch 470m to Ch 480m.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	1.40	Qty represents - 20.00 Cum.
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	212.93	Kg/Cm²			

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REPORT PAGE 03 OF 03

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Valu e permissable	% above or below	REMARK
15	Cement concrete cube of mix 1 : 2: 4 , cast on 23/01/2022. PCC for foundation of L.H.S wall from Ch 470m to Ch 480m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	2.12	Qty represents - 20.00 Cum.
			201.61	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2: 4 , cast on 24/01/2022. PCC for 2nd step of L.H.S wall from Ch 440m to Ch 460m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2: 4 , cast on 24/01/2022. PCC for 2nd step of L.H.S wall from Ch 440m to Ch 460m.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	229.55	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 , WDVI ,WRD, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

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