

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3342,3343,3370,3371,3384,3385,3393,3394,/ Lab /330/ 2021 - 22 Dated:- 12/ 03 /2022. Laboratory : Bicholim - Goa.
3403,3404,3407,3408,3415 & 3416 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Protection wall for Nalla along the Survey No 143/11 & 142/13 at Ambegal – Pale in sankhalim Constituency of Bicholim Taluka.

Ref. to Requisition No.:F.24/WRD/WDVI/SDI/514/21-22 Dt.:05/ 03/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 05/03/ 2022. Tested on: -05,06,07,08,09,10 & 11/03/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. :7815,7816,7843,7844,7858,7859,7867,7868,7879,7880,7884,7885,7893 & 7894/SS Lab. Sample No.: 3243 To 3256 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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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 05/02/2022. PCC For foundation of LHS wall from Ch 20m to Ch 40m.	28 th day compressive strength	219.73	Ka/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 16.00 Cum.
			240.12	Ka/Cm ²			
			246.91	Kg/Cm ²			
		Average	235.59	Ka/Cm²			
2	Cement concrete cube of mix 1 : 2: 4 , cast on 05/02/2022. PCC For foundation of RHS wall from Ch 20m to Ch 40m.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 16.00 Cum.
			215.20	Ka/Cm ²			
			244.65	Kg/Cm ²			
		Average	228.79	Ka/Cm²			
3	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2022. PCC For foundation of LHS wall from Ch 40m to Ch 60m.	28 th day compressive strength	249.18	Ka/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 16.00 Cum.
			219.73	Ka/Cm ²			
			233.32	Kg/Cm ²			
		Average	234.08	Ka/Cm²			
4	Cement concrete cube of mix 1 : 2: 4 , cast on 06/02/2022. PCC For foundation of RHS wall from Ch 40m to Ch 60m.	28 th day compressive strength	237.85	Ka/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 16.00 Cum.
			249.18	Ka/Cm ²			
			244.65	Kg/Cm ²			
		Average	243.89	Ka/Cm²			
5	Cement concrete cube of mix 1 : 2: 4 , cast on 07/02/2022. PCC For foundation of LHS wall from Ch 60m to Ch 80m.	28 th day compressive strength	217.47	Ka/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 16.00 Cum.
			246.91	Ka/Cm ²			
			240.12	Kg/Cm ²			
		Average	234.83	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
6	Cement concrete cube of mix 1 : 2: 4 , cast on 07/02/2022. PCC For foundation of RHS wall from Ch 60m to Ch 80m.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	18.30	Qty represents - 16.00 Cum.
			244.65	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	248.42	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2: 4 , cast on 08/02/2022. PCC For foundation of LHS wall from Ch 80m to Ch 100m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 16.00 Cum.
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 08/02/2022. PCC For foundation of RHS wall from Ch 80m to Ch 100m.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 16.00 Cum.
			231.06	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	217.47	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 09/02/2022. PCC For foundation of LHS wall from Ch 100m to Ch 120m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 16.00 Cum.
			215.20	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 09/02/2022. PCC For foundation of RHS wall from Ch 100m to Ch 120m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 16.00 Cum.
			251.44	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 10/02/2022. PCC For foundation of LHS wall from Ch 120m to Ch 140m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 16.00 Cum.
			242.38	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 10/02/2022. PCC For foundation of RHS wall from Ch 120m to Ch 140m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 16.00 Cum.
			244.65	Kg/Cm ²			
			251.44	Kg/Cm ²			
		Average	244.65	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
13	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2022. PCC for 1st step of LHS wall from Ch 20m to Ch 40m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 14.50 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 11/02/2022. PCC for 1st step of RHS wall from Ch 20m to Ch 40m.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 14.50 Cum.
			260.51	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	244.65	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