

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 3434,3435,3442,3443,3460,3461,3474,3475,/ Lab /02/ 2022 - 23 Dated:- 01/ 04 /2022. Laboratory : Bicholim - Goa.
3482,3483,3496,3497,3511 & 3512 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/534/21-22 Dt.: - 10/ 03/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 10/03/ 2022. Tested on: -12,13,15,16,17,18 & 19/03/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. :7912,7913,7920,7921,7933 & 7934/SS, 179 & 180/R.K. , 7943,7944,7956,7957,7972 & 7973/SS Lab. Sample No.: 3299 To 3312 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. Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2022. PCC For 1st step of LHS wall from Ch 40m to Ch 60m.	28 th day compressive strength	226.53	Ka/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 14.50 Cum.
			212.93	Ka/Cm ²			
			233.32	Kg/Cm ²			
		Average	224.26	Ka/Cm²			
2	Cement concrete cube of mix 1 : 2: 4 , cast on 12/02/2022. PCC For 1st step of RHS wall from Ch 40m to Ch 60m.	28 th day compressive strength	228.79	Ka/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 14.50 Cum.
			235.59	Ka/Cm ²			
			244.65	Kg/Cm ²			
		Average	236.34	Ka/Cm²			
3	Cement concrete cube of mix 1 : 2: 4 , cast on 13/02/2022. PCC For 1st step of LHS wall from Ch 60m to Ch 80m.	28 th day compressive strength	219.73	Ka/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 14.50 Cum.
			233.32	Ka/Cm ²			
			228.79	Kg/Cm ²			
		Average	227.28	Ka/Cm²			
4	Cement concrete cube of mix 1 : 2: 4 , cast on 13/02/2022. PCC For 1st step of RHS wall from Ch 60m to Ch 80m.	28 th day compressive strength	215.20	Ka/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 14.50 Cum.
			233.32	Ka/Cm ²			
			244.65	Kg/Cm ²			
		Average	231.06	Ka/Cm²			
5	Cement concrete cube of mix 1 : 2: 4 , cast on 15/02/2022. PCC For 1st step of LHS wall from Ch 80m to Ch 100m.	28 th day compressive strength	217.47	Ka/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 14.50 Cum.
			231.06	Ka/Cm ²			
			233.32	Kg/Cm ²			
		Average	227.28	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 15/02/2022. PCC For 1st step of RHS wall from Ch 80m to Ch 100m.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 14.50 Cum.
			212.93	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2022. PCC For 1st step of LHS wall from Ch 100m to Ch 120m.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 14.50 Cum.
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	240.12	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 16/02/2022. PCC For 1st step of RHS wall from Ch 100m to Ch 120m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 14.50 Cum.
			235.59	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2022. PCC For 1st step of LHS wall from Ch 120m to Ch 140m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 14.50 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 17/02/2022. PCC For 1st step of RHS wall from Ch 120m to Ch 140m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 14.50 Cum.
			249.18	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	240.12	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2022. PCC For 2nd step of LHS wall from Ch 60m to Ch 90m.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 9.00 Cum.
			235.59	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 18/02/2022. PCC For 2nd step of RHS wall from Ch 60m to Ch 90m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 9.00 Cum.
			240.12	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	232.57	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 19/02/2022. PCC For 2nd step of LHS wall from Ch 90m to Ch 120m.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	1.40	Qty represents - 9.00 Cum.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	212.93	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 19/02/2022. PCC For 2nd step of RHS wall from Ch 90m to Ch 120m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 9.00 Cum.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	232.57	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