

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4744,4745,4761,4762,4774,4775,4805,4806,4814,4837,/ Lab /132/ 2022 - 23 Dated:- 22/06/2022. Laboratory : Bicholim - Goa.
4838,4855,4856,4895,4896,4918,4919,4969,4970,5012 & 5013 Sub Division V (QC)/WRD/Goa.

Name of work : Improvement to Nalla behind Balkrishna Residency Taranagar from Smt Anjali Halankar house to culvert at Taranagar, SMC in Sankhali Constituency.

Ref. to Requisition No.: F. /WRD/WDVI/SDI/75/22-23 Dt.:- 01/ 06/ 2022

Qty. Recived. : 21 Sets of cube Date of Receipt:- 01/06/2022. Tested on: - 01,02,03,05,06,08,09,11,13,15 & 18/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample:Cube Mix **1:2:4** O.S.No.:8708,8709,8725,8726,8738,8739,8770,8771,8779,8802,8803,8820,8821,8863,8864,8888,8889,8943,8944,8986 & 8987/SS Lab. Sample No.: **4702 to 4722** 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 04/05/2022. PCC for Foundation of LHS Ret wall from Ch 0 to 15m.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 20.50 Cum.
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2022. PCC for Foundation of RHS Ret wall from Ch 0 to 15m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 20.50 Cum.
			203.87	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2022. PCC for Foundation of LHS Ret wall from Ch 15 to 30m.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 20.50 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2022. PCC for Foundation of RHS Ret wall from Ch 15 to 30m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 20.50 Cum.
			197.08	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2022. PCC for Foundation of LHS Ret wall from Ch 30 to 45m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 20.50 Cum.
			215.20	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2022. PCC for Foundation of RHS Ret wall from Ch 30 to 45m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 20.50 Cum.
			219.73	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	223.51	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
7	Cement concrete cube of mix 1 : 2: 4 , cast on 08/05/2022. PCC for Foundation of LHS Ret wall from Ch 45 to 60m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 20.50 Cum.
			206.14	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	218.22			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 08/05/2022. PCC for Foundation of RHS Ret wall from Ch 45 to 60m.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 20.50 Cum.
			219.73	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	221.24			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 09/05/2022. PCC for 1 st step of LHS Ret wall from Ch 0 to Ch 15m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 20.00 Cum.
			203.87	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	220.49			
10	Cement concrete cube of mix 1 : 2: 4 , cast on 11/05/2022. PCC for 1 st step of RHS Ret wall from Ch 0 to Ch 15m	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 20.00 Cum.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
			Average	222.00			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 11/05/2022. PCC for 1 st step of LHS Ret wall from Ch 15 to Ch 30m.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 20.00 Cum.
			226.53	Kg/Cm ²			
			206.14	Kg/Cm ²			
			Average	225.02			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 12/05/2022. PCC for 1 st step of RHS Ret wall from Ch 15 to Ch 30m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 20.00 Cum.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	236.34			
13	Cement concrete cube of mix 1 : 2: 4 , cast on 12/05/2022. PCC for 1 st step of LHS Ret wall from Ch 30 to Ch 45m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.48	Qty represents - 20.00 Cum.
			215.20	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	215.20			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 14/05/2022. PCC for 1 st step of RHS Ret wall from Ch 30 to Ch 45m.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 20.00 Cum.
			219.73	Kg/Cm ²			
			201.61	Kg/Cm ²			
			Average	222.75			

Junior Engineer

Assistant Engineer

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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 14/05/2022. PCC for 1 st step of LHS Ret wall from Ch 45 to Ch 60m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 20.00 Cum.
			237.85	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	222.00			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 16/05/2022. PCC for 1 st step of RHS Ret wall from Ch 45 to Ch 60m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 20.00 Cum.
			226.53	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	230.30			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 16/02/2022. PCC for 2 nd step of LHS Ret wall from Ch 0 to Ch 30m.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 18.00 Cum.
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	222.75			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/05/2022. PCC for 2 nd step of RHS Ret wall from Ch 0 to Ch 30m.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	231.06			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 18/05/2022. PCC for 2 nd step of LHS Ret wall from Ch 30 to Ch 60m.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 18.00 Cum.
			217.47	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	227.28			
20	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2022. PCC for 2 nd step of RHS Ret wall from Ch 30 to Ch 60m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 18.00 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	231.81			
21	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2022. PCC for 3 rd step of RHS & LHS Ret wall from Ch 0 to 60m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 18.00 Cum.
			206.14	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	223.51			

- 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.

Junior Engineer

Assistant Engineer