

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4831,4843,4865,4883,4884,4899,4927,4956,/ Lab /130/ 2022 - 23 Dated:- 20/ 06/2022. Laboratory : Bicholim - Goa.
4957,4977,4978,4989,5001 & 5002 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of retaining wall for Nalla flowing to valvanti river through Survey No 72/3, in ward No 2 at Vithalapur Karapur in Bicholim Taluka.

Ref. to Requisition No.:F. /WRD/WDVI/SDI/82/2022-23 Dt.:- 07/ 06/ 2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 07/06/ 2022. Tested on: -07,08,09,10,11,13,14,15,16 & 17/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :8796,8808,8830,8849,8850,8867,8897,8929,8930,8951,8952,8963,8975 & 8976/SS Lab. Sample No.: 4818 to 4831

Tested By: 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 10/05/2022. 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	2.12	Qty represents - 20.50 Cum.
			219.73	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/05/2022. PCC for Foundation of RHS Ret wall from Ch 15 to 28.50m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 18.50 Cum.
			201.61	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/05/2022. PCC for Foundation of LHS Ret wall from Ch 0 to 15m.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 20.50 Cum.
			219.73	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/05/2022. PCC for Foundation of LHS Ret wall from Ch 15 to 30m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 20.50 Cum.
			224.26	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/05/2022. PCC for Foundation of LHS Ret wall from Ch 30 to 38.50m.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 11.50 Cum.
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	222.75	Kg/Cm²			

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
6	Cement concrete cube of mix 1 : 2: 4 , cast on 14/05/2022. PCC for 1st step of RHS Ret wall from Ch 0 to 15m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 18.00 Cum.
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2: 4 , cast on 16/05/2022. PCC for 1st step of RHS Ret wall from Ch 15 to 28.50m.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 16.00 Cum.
			233.32	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2: 4 , cast on 17/05/2022. PCC for 1st step of LHS Ret wall from Ch 0 to 15m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 18.00 Cum.
			233.32	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2: 4 , cast on 17/05/2022. PCC for 1st step of LHS Ret wall from Ch 15 to 38.50m.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 28.00 Cum.
			233.32	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
10	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 28.50m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 26.00 Cum.
			235.59	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2: 4 , cast on 18/05/2022. PCC for 2 nd step of LHS Ret wall from Ch 0 to 20m.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 18.00 Cum.
			219.73	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2: 4 , cast on 19/05/2022. PCC for 2 nd step of LHS Ret wall from Ch 20 to 38.50m.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 17.00 Cum.
			222.00	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	228.04	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR.NO.	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 20/05/2022. PCC for 3 rd step of RHS Ret wall from Ch 0 to 28.50m.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 13.00 Cum.
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2: 4 , cast on 20/05/2022. PCC for 3 rd step of LHS Ret wall from Ch 0 to 38.50m.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 17.50 Cum.
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	218.98	Kg/Cm²			

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