

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4781,4782,4808,4809,4827,4828,4861,/ Lab / **137** / 2022 - 23 Dated:-27/06/2022. Laboratory : Bicholim - Goa.
4862,4897,4898,4923,4924,4952,4953,4985,4986,5014,5015,5034,5035,5070,5071,5081,5099 & 5100 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Improvement to the existing nallah from Shri. Sadanand Verenkar house to Shri. Anil Parulekar House and near Valankani Chepel at Dhon Wado in Saligao Constituency.

Ref. to Requisition No.: WRD/SDII/WDI/F.24/2022-23/97 Dt.:-02/ 06/ 2022

Qty. Recived. : 25 Sets of cube Date of Receipt:- 03/06/2022. Tested on: 03,05,07,09,11,13,14,16,18,20,22,23 & 24/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No.:8745,8746,8773,8774,8792,8793,8826,8827,8865,8866,8893,8894,8925,8926,8959,8960,8988,8989,9008,9009,9044,9045, 9055,9073 & 9074/SS Lab. Sample No.: **4765 to 4789** Tested By: Mrs. S. B. Naik Shirodkar J.E.

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1:2:4 , cast on 06/05/2022. PCC for Foundation.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	6.07	Qty represents - 30.38 M3 for two sets of cubes.
			226.53	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	222.75			
2	Cement concrete cube of mix 1:2:4 , cast on 06/05/2022. PCC for Foundation.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.35	----- do -----
			201.61	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	221.24			
3	Cement concrete cube of mix 1:2:4 , cast on 08/05/2022. PCC for Foundation.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 28.38 M3 for two sets of cubes.
			215.20	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	217.47			
4	Cement concrete cube of mix 1:2:4 , cast on 08/05/2022. PCC for Foundation.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	10.03	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	231.06			
5	Cement concrete cube of mix 1:2:4 , cast on 10/05/2022. PCC for 1 st lift.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 35.00 M3 for two sets of cubes.
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	225.77			
6	Cement concrete cube of mix 1:2:4 , cast on 10/05/2022. PCC for 1 st lift.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			246.91	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	229.55			

Junior Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 12/05/2022. PCC for 1 st lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 36.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			206.14	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 12/05/2022. PCC for 1 st lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.99	----- do -----
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 14/05/2022. PCC for 1 st lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 38.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 14/05/2022. PCC for 1 st lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			210.67	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 16/05/2022. PCC for 1 st lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	1.76	Qty represents - 39.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	213.69	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 16/05/2022. PCC for 1 st lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	7.15	----- do -----
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 17/05/2022. PCC for 1 st lift.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 38.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 17/05/2022. PCC for 1 st lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	----- do -----
			212.93	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
15	Cement concrete cube of mix 1:2:4 , cast on 19/05/2022. PCC for 2 nd lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 33.00 Cum for two sets of cubes.
			212.93	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	225.77	Kg/Cm²			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
16	Cement concrete cube of mix 1:2:4 , cast on 19/05/2022. PCC for 2 nd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 33.00 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	216.71			
17	Cement concrete cube of mix 1:2:4 , cast on 21/05/2022. PCC for 2 nd lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 32.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
18	Cement concrete cube of mix 1:2:4 , cast on 21/05/2022. PCC for 2 nd lift.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	----- do -----
			215.20	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	216.71			
19	Cement concrete cube of mix 1:2:4 , cast on 23/05/2022. PCC for 2 nd lift.	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 33.80 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	222.00			
20	Cement concrete cube of mix 1:2:4 , cast on 23/05/2022. PCC for 2 nd lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	230.30			
21	Cement concrete cube of mix 1:2:4 , cast on 25/05/2022. PCC for 3 rd lift.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 36.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	221.24			
22	Cement concrete cube of mix 1:2:4 , cast on 25/05/2022. PCC for 3 rd lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.95	----- do -----
			231.06	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	228.79			
23	Cement concrete cube of mix 1:2:4 , cast on 26/05/2022. PCC for 3 rd lift.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 15.43 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	231.06			

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
24	Cement concrete cube of mix 1:2:4 , cast on 27/05/2022. PCC for 3 rd lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 30.00 Cum for two sets of cubes.
			210.67	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
25	Cement concrete cube of mix 1:2:4 , cast on 27/05/2022. PCC for 3 rd lift.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			222.00	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	223.51	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , WDI, WRD, Mapusa, Bardez - Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer , WDI ,WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

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