

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2378,2379,2401,2402,2425,2526,2447,2448,2465/ Lab /147/ 2021 - 22 Dated:-08/07/ 2021. Laboratory : Bicholim - Goa.
2466,2474,2475,2479,2480,2492,2493,2506,2507 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work:- Construction of protection wall for nallah bank in Sy.No. 1,3,4,16 in Oxel in Siolim Constituency.

Ref. to Requisition No.: SDI/WDI/WRD/WRD/F.57/21-22/91 Dated :- 08/ 06 / 2021.

Qty. Recived. :18 Sets of cube Date of Receipt:- 14/06/ 2021. Tested on: -25,26,28,29,30/06/2021 & 01,02,03,05/07/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 :2 :4 O.S No.:6615,6616,6640,6641,6665,6666,6688,6689,6706,6707,6715,6716,6721,6722,6734,6735,6752,6753/SS. Lab.Sample No.: 1862 To 1879

Tested By: Mrs. 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 28/05/2021. For 1 st and 2 nd lift.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 30.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	219.73			
2	Cement concrete cube of mix 1 :2 : 4 , cast on 28/05/2021. For 1 st and 2 nd lift.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.99	----- do -----
			212.93	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	220.49			
3	Cement concrete cube of mix 1 :2 : 4 , cast on 29/05/2021. For 1 st and 2 nd lift.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 32.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	231.06			
4	Cement concrete cube of mix 1 :2 : 4 , cast on 29/05/2021. For 1 st and 2 nd lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	14.34	----- do -----
			237.85	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	240.12			
5	Cement concrete cube of mix 1 :2 : 4 , cast on 31/05/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 30.00 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	218.22			

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Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 31/05/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 30.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents -31.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	246.91			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			208.40	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	218.22			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 33.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	230.30			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	19.38	----- do -----
			244.65	Kg/Cm ²			
			258.24	Kg/Cm ²			
			Average	250.69			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents -34.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	238.61			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	16.86	----- do -----
			253.71	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	245.40			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 35.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	244.65			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 35.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 33.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/06/2021. For 2 nd and 3 rd lift.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	10.03	----- do -----
			233.32	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	231.06	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 32.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/06/2021. For 1 st and 2 nd lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	7.15	----- do -----
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	225.02	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDI , WD I, WRD- Porvorim - 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 I ,WRD, Porvorim - Goa.

4. QC Lab File. 5. Bill File.

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