

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2086,2087,2094,2095,2098,2099,2105,2106/ Lab / **125**/ 2021 - 22 Dated:-26/06/ 2021. Laboratory : Bicholim - Goa.

2282,2283,2293,2294,2334,2335,2352,2353,2363,2364

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/F.57/21-22/72 Dated :- 28/ 05/ 2021.

Qty. Recived. : 18 Sets of cube Date of Receipt:- 28/ 05 / 2021. Tested on: -28,30,31/05/2021 & 01,16,17,21,23,24/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1: 2: 4 O.S No. :6316,6317,6329,6330,6335,6336,6342,6343,6515,6516,6526,6527,6567,6568,6585,6586,6898,6599/SS

Lab. Sample

No.: 1634 To 1651 Tested By: Mrs.Shirodkar. J.E.

REPORT PAGE 01 OF 03

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 30/04/2021. For Foundation & Plinth.	28 th day compressive strenath	222.00	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents -33.00 Cum for two sets of cubes.
			206.14	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	221.24			
2	Cement concrete cube of mix 1:2:4 , cast on 30/04/2021. For Foundation & Plinth.	28 th day compressive strenath	217.47	Kg/Cm ²	210.00 Kg/cm ²	4.27	----- do -----
			215.20	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	218.98			
3	Cement concrete cube of mix 1:2:4 , cast on 02/05/2021. For Foundation & Plinth.	28 th day compressive strenath	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents -30.00 Cum for two sets of cubes.
			233.32	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	228.04			
4	Cement concrete cube of mix 1:2:4 , cast on 02/05/2021. For Foundation & Plinth.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.59	----- do -----
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	228.04			
5	Cement concrete cube of mix 1:2:4 , cast on 03/05/2021. For Foundation & Plinth.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents -31.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	228.79			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

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 03/05/2021. For Foundation & Plinth.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents -31.00 Cum for two sets of cubes.
			217.47	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 04/05/2021. For Foundation & Plinth.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 33.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 04/05/2021. For Foundation & Plinth.	28 th day compressive strength	201.61	Kg/Cm ²	210.00 Kg/cm ²	7.87	----- do -----
			233.32	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 19/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 35.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 19/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 20/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 34.00 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 20/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	10.75	----- do -----
			215.20	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	232.57	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 24/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 32.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	242.38	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

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 24/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 32.00 Cum for two sets of cubes.
			255.97	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	240.12	Kg/Cm²			
15	Cement concrete cube of mix 1:2:4 , cast on 26/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	16.86	Qty represents - 30.00 Cum for two sets of cubes.
			235.59	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 26/05/2021. For 1 st and 2 nd Lift.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			249.18	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 27/05/2021. For Foundation & Plinth.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents -31.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
18	Cement concrete cube of mix 1:2:4 , cast on 27/05/2021. For Foundation & Plinth.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	16.50	----- do -----
			237.85	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	244.65	Kg/Cm²			

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

Junior Engineer

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