

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1852,1853,1860,1861,1872,1873/ Lab / **66** / 2021 - 22 Dated:-12/05/ 2021. Laboratory : Bicholim - Goa
,1882,1883,1895,1896,1907,1908,1919,1920 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Improvement to Mahar Tali at Deulwada V.P. Korgao in Pernem Goa.

Ref. to Requisition No.:No-MI/SDIII/WDI/F-58/2021-22/37 Dated :- 22/ 04 / 2021.

Qty. Recived. :14 Sets of cube Date of Receipt:- 26/ 04 / 2021. Tested on: -01,03,04,05,06,07,08/05/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No.:6062,6063,6073,6074,6087,6088,6099,6100,6117,6118,6133,6134/SS &52,53/RK

Lab. Sample No.: 1328 to 1341 Tested By: Mrs.R.R.Kadam A.E. & Mrs. Shirodkar. J.E.

Cube test witnessed by agency Mr.Harishchandra Nagvekar on 03/05/2021.

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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 03/04/2021. For Tank Retaining wall.	28 th day compressive strenath	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 34.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	216.71	Kg/Cm²		
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/04/2021. For Tank Retaining wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			224.26	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	223.51	Kg/Cm²		
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/04/2021. For Tank Retaining wall.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 30.00 Cum for two sets of cubes.
			231.06	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	218.22	Kg/Cm²		
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/04/2021. For Tank Retaining wall.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	----- do -----
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	220.49	Kg/Cm²		
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/04/2021. For Tank Retaining wall.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 44.00 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	215.95	Kg/Cm²		
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/04/2021. For Tank Retaining wall.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	0.68	----- do -----
			206.14	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	211.42	Kg/Cm²		

Junior Engineer

Assistant 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 07/04/2021. For Tank Retaining wall.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 54.00 Cum for two sets of cubes.
			228.79	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/04/2021. For Tank Retaining wall.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	2.12	----- do -----
			226.53	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/04/2021. For Tank Retaining wall.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 40.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/04/2021. For Tank Retaining wall.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.62	----- do -----
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/04/2021. For Tank Retaining wall.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 48.00 Cum for two sets of cubes.
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/04/2021. For Tank Retaining wall.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.12	----- do -----
			199.34	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/04/2021. For Tank Retaining wall.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents -44.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	215.95	Kg/Cm²			

Junior Engineer

Assistant Engineer

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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 10/04/2021. For Tank Retaining wall.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 44.00 Cum for two sets of cubes.
			240.12	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	233.32	Kg/Cm ²			

- Copy to: 1. The Assistant Engineer , SD III , WD I, WRD,Pernem- 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

Assistant Engineer