

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1492 to 1494,1510,1511,1512.1560,/ Lab / **14** / 2021 - 22 Dated:-17 /04/ 2021. Laboratory : Bicholim - Goa
1561,1562,1569,1570 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of the Tivim Minor from ch.2.29km to ch.3.86km of LBMC of TIP at Tivim village in Bardez Taluka.

Ref. to Requisition No.:SD III/WDVIII/WRD/W.F.51/2020-21/328 Dated :- 24/ 03 / 2021.

Qty. Recived. :11 Sets of cube Date of Receipt:- 25/ 03 / 2021. Tested on: - 08/03/2021 to 13/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 5624 to 5626,5645 to 5647,5699 to 5701,5109,5710/SS Lab. Sample No.: 1015 to 1025 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 25/02/2021. For Base concrete upto G.L.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents -60.00 Cum for three sets of cubes.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/02/2021. For Base concrete upto G.L.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/02/2021. For Base concrete upto G.L.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			217.47	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/02/2021. For Side wall concrete upto G.L.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents -60.00 Cum for three sets of cubes.
			219.73	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/02/2021. For Side wall concrete upto G.L.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	218.22	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
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/02/2021. For Side wall concrete upto G.L.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents -60.00 Cum for three sets of cubes.
			217.47	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/03/2021. For floor concrete.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents -60.00 Cum for three sets of cubes.
			215.20	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/03/2021. For floor concrete.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/03/2021. For floor concrete.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	13.26	----- do -----
			231.06	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/03/2021. For floor concrete.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents -35.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/03/2021. For floor concrete.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.67	----- do -----
			249.18	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	230.30	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDIII , WD VIII, WRD, Karaswada-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 , WD VIII ,WRD,Karaswada-Bardez - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer