

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 511, 512,519,520,538,539,555, / Lab / **202** / 2020 - 21 Dated:- 19 / 01 / 2021. Laboratory : Bicholim - Goa.
556,572,573,590,591,608 & 609 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of of 10 cm thick PCC lining for canal from Ch. 15.000 Km to Ch. 18.000 km of LBMC of TIP in Tivim and Sircaim Villages of Bardez Taluka.

Ref. to Requisition No.: SD II /WD VIII / WRD / F.154 /2020-21/ 161 Dated :- 29 / 12 / 2020.

Qty. Recived. : 14 Sets of cube Date of Receipt:- 29/12/ 2020. Tested on: - 04/01/2021 To 10 /01/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 4566,4572,4586,4602,4614,4632 & 4646/SS. Lab. Sample No.: 9861 To 9874

Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR.	DISRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value	% above or	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/12/2020. for lining Ch. 15.65km to Ch. 15.7km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 60.00 cum for two sets of cubes.
			215.20	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	220.49			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/12/2020. for lining Ch. 15.65km to Ch. 15.7km.	28 th day compressive strength	258.24	Kg/Cm ²	210.00 Kg/cm ³	13.98	----- do -----
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	239.36			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/12/2020. for lining Ch. 15.70km to Ch. 15.75km.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ⁴	3.91	Qty represents - 60.00 cum for two sets of cubes.
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	218.22			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/12/2020. for lining Ch. 15.70km to Ch. 15.75km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ⁵	4.27	----- do -----
			237.85	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	218.98			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/12/2020. for lining Ch. 15.75km to Ch. 15.80km.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ⁶	4.27	Qty represents - 60.00 cum for two sets of cubes.
			215.20	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	218.98			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/12/2020. for lining Ch. 15.75km to Ch. 15.80km.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ⁷	7.15	----- do -----
			249.18	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	225.02			

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 10/12/2020. for lining Ch. 15.80km to Ch. 15.85km.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 60.00 cum for two sets of cubes.
			224.26	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	225.77			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/12/2020. for lining Ch. 15.80km to Ch. 15.85km.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ³	10.39	----- do -----
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	231.81			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/12/2020. for lining Ch. 15.85km to Ch. 15.90km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ⁴	5.71	Qty represents - 60.00 cum for two sets of cubes.
			237.85	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	222.00			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/12/2020. for lining Ch. 15.85km to Ch. 15.90km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ⁵	8.95	----- do -----
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	228.79			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/12/2020. for lining Ch. 15.90km to Ch. 16.00km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ⁶	7.15	Qty represents - 60.00 cum for two sets of cubes.
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	225.02			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/12/2020. for lining Ch. 15.90km to Ch. 16.00km.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ⁷	15.42	----- do -----
			244.65	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	242.38			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/12/2020. for lining Ch. 16.00km to Ch. 16.05km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ⁸	4.63	Qty represents - 60.00 cum for two sets of cubes.
			240.12	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	219.73			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 13/12/2020. for lining Ch. 16.00km to Ch. 16.05km.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ⁹	8.59	----- do -----
			219.73	Kg/Cm ²			
			253.71	Kg/Cm ²			
			Average	228.04			

Copy to: 1. The Assistant Engineer , SDII , WD VIII, WRD, Tivim, 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