

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9754,9755,9762,9763,9784,9785,9875 & 9876 / Lab / **51** / 2020 - 21 Dated:- 16/ 06 / 2020.

Laboratory : Bicholim - Goa. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Pilgao – Narva distributory of LBMC of TIP from Ch. 4.670 km to ch. 8.670 km in Narva and Pilgoa Villages of Bicholim Taluka.

Ref. to Requisition No.: SD II /WD VIII / WRD / F. /2020-21/ Dated :- 26 / 05 / 2020.

Qty. Recived. : 08 Sets of cube Date of Receipt:- 26/05/ 2020. Tested on: - 31/05/2020, 01/06/2020 To 07 /06/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 748/SP, 3749,3762 & 3823 /SS. Lab. Sample No.: 8920 To 8927 Tested By: Mr. S. M. Patri . A.E. & 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 03/05/2020. for canal lining from ch. 5430 km to 5530 km.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 48.00 cum for two sets of cubes.
			228.79	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	221.24			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 03/05/2020. for canal lining from ch. 5430 km to 5530 km.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	8.95	----- do -----
			215.20	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	228.79			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2020. for canal lining from ch. 5530 km to 5642 km.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 60.00 cum for two sets of cubes.
			215.20	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	233.32			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2020. for canal lining from ch. 5530 km to 5642 km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	7.51	----- do -----
			222.00	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	225.77			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2020. for canal lining from ch. 5654 km to 5734 km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 40.00 cum for two sets of cubes.
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	225.77			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2020. for canal lining from ch. 5654 km to 5734 km.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 40.00 cum for two sets of cubes.
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/05/2020. for canal lining from ch. 5741 km to 5840 km.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 50.00 cum for two sets of cubes.
			244.65	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/05/2020. for canal lining from ch. 5741 km to 5840 km.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	10.03	----- do -----
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	231.06	Kg/Cm²			

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