

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1100 to 1103,1221 to 1224,1231 to 1234/ Lab /**291**/ 2020 - 21 Dated:- 10/ 03 / 2021. Laboratory : Bicholim - Goa
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of Pilgao-Narve Distributory of LBMC of TIP from ch.4.825km to ch.8670m at village Pilgao and Narve in Bicholim Taluka.(Modified Balance Work).

Ref. to Requisition No:-S.D.II/W.DVIII/WRD/F.160/20-21/192 Dated :- 12/ 02 / 2021.

Qty. Recived. :12 Sets of cube Date of Receipt:- 15/ 02 / 2021. Tested on: -22/02/2021 & 06,08/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No.:5166 to 5169,5311 to 5314,5321 to 5324/SS Lab. Sample No.:490 to 501 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/01/2021. For Ch.7.603km to Ch.7.728km.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 81.00 cum for four sets of cubes.
			231.06	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/01/2021. For Ch.7.603km to Ch.7.728km.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			217.47	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/01/2021. For Ch.7.603km to Ch.7.728km.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			228.79	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 25/01/2021. For Ch.7.603km to Ch.7.728km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.07	----- do -----
			244.65	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Ch.7.728km to Ch.7.853km.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 78.00 cum for four sets of cubes.
			217.47	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Ch.7.728km to Ch.7.853km.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	3.55	----- do -----
			226.53	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	217.47	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Ch.7.728km to Ch.7.853km.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 78.00 cum for four sets of cubes.
			240.12	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/02/2021. For Ch.7.728km to Ch.7.853km.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			237.85	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2021. For Ch.7.853km to Ch.7.970km.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 77.00 cum for four sets of cubes.
			235.59	Kg/Cm ²			
			201.61	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2021. For Ch.7.853km to Ch.7.970km.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.99	----- do -----
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2021. For Ch.7.853km to Ch.7.970km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	4.27	----- do -----
			206.14	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/02/2021. For Ch.7.853km to Ch.7.970km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.55	----- do -----
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	217.47	Kg/Cm²			

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