

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 435,436,441,442,450to452 / Lab / **198** / 2020 - 21 Dated:-16 /01 / 2021. Laboratory : Bicholim - Goa.
460to462,468 to 470 & 471 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Pilgao – Narve Distributory of LBMC of TIP from ch. 4.825 km to ch. 8.670m at village Pilgao and Narve in Bicholim Taluka. (Balance Work).

Ref. to Requisition No.: SD II /WD VIII / WRD / F.160 /2020-21/ 159 Dated :- 23 / 12 / 2020.

Qty. Recived. : 14 Sets of cube Date of Receipt:- 24/12/ 2020. Tested on: - 24/10/2020 To 29 /12/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 4459,4460,44684469,4480to4482,4492to4494,4505,4506,4510&4511/SS. Lab. Sample No.: 9820 To 9833

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

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SR. NO.	DISCRIPTION OF SAMPLE		RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/11/2020. for Ch. 5.925km to Ch. 5.985km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 40.00 cum for two sets of cubes.
			226.53	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	225.02			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/11/2020. for Ch. 5.925km to Ch. 5.985km.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ³	5.71	---- do ----
			217.47	Kg/Cm ²			
			240.12	Kg/Cm ²			
			Average	222.00			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 27/11/2020. for Ch. 5.985km. To Ch. 6.105 km.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ⁴	3.20	Qty represents - 77.00 cum for two sets of cubes.
			217.47	Kg/Cm ²			
			203.87	Kg/Cm ²			
			Average	216.71			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 27/11/2020. for Ch. 5.985km. To Ch. 6.105 km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ⁵	5.71	---- do ----
			249.18	Kg/Cm ²			
			201.61	Kg/Cm ²			
			Average	222.00			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 28/11/2020. for Ch. 6.105km. To Ch. 6.195 km.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ⁶	3.91	Qty represents - 58.00 cum for three sets of cubes.
			224.26	Kg/Cm ²			
			199.34	Kg/Cm ²			
			Average	218.22			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 28/11/2020. for Ch. 6.105km. To Ch. 6.195 km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ⁷	4.99	---- do ----
			203.87	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	220.49			

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 28/11/2020. for Ch. 6.105km. To Ch. 6.195 km.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 58.00 cum for three sets of cubes.
			237.85	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	228.04			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/11/2020. for Ch. 6.01km. To Ch. 6.666 km.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ³	9.31	Qty represents - 45.00 cum for three sets of cubes.
			212.93	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	229.55			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/11/2020. for Ch. 6.01km. To Ch. 6.666 km.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ⁴	8.59	----- do -----
			208.40	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	228.04			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/11/2020. for Ch. 6.01km. To Ch. 6.666 km.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ⁵	8.95	----- do -----
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	228.79			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/11/2020. for Ch. 6.666km. To Ch. 6.726 km.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ⁶	11.47	Qty represents - 40.00 cum for two sets of cubes.
			260.51	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	234.08			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/11/2020. for Ch. 6.666km. To Ch. 6.726 km.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ⁷	6.07	----- do -----
			219.73	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	222.75			
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/12/2020. for Ch. 6.726km. To Ch. 6.791 km.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ⁸	11.82	Qty represents - 42.00 cum. For two sets of cubes.
			222.00	Kg/Cm ²			
			269.57	Kg/Cm ²			
			Average	234.83			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 01/12/2020. for Ch. 6.726km. To Ch. 6.791 km.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ⁹	4.99	----- do -----
			208.40	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	220.49			

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