

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9475 TO 9484 / Lab / **14** / 2020 - 21 Dated:- 11 / 05 / 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.160 /2020-21/ 5-1 Dated :- 04 / 05 / 2020.

Qty. Recived. : 10 Sets of cube Date of Receipt:- 05/05/ 2020. Tested on: - 05/05/2020 To 09 /05/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 3567,3568,3569,3570,3573 & 3574/SS. Lab. Sample No.: 8605 To 8614

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 28/04/2020. for canal lining from ch. 4990 m to 5085 m.	7 th day compressive strength	147.24	Kg/Cm ²	140.00 Kg/cm ²	6.25	Qty represents - 45.00 cum for two sets of cubes.
			154.04	Kg/Cm ²			
			144.98	Kg/Cm ²			
		Average	148.75	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 28/04/2020. for canal lining from ch. 4990 m to 5085 m.	7 th day compressive strength	185.75	Kg/Cm ²	140.00 Kg/cm ²	18.66	----- do -----
			144.98	Kg/Cm ²			
			167.63	Kg/Cm ²			
		Average	166.12	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/04/2020. for canal lining from ch. 5090 m to 5185 m.	7 th day compressive strength	172.16	Kg/Cm ²	140.00 Kg/cm ²	11.11	Qty represents - 45.00 cum for two sets of cubes.
			158.57	Kg/Cm ²			
			135.92	Kg/Cm ²			
		Average	155.55	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 29/04/2020. for canal lining from ch. 5090 m to 5185 m.	7 th day compressive strength	181.22	Kg/Cm ²	140.00 Kg/cm ²	14.88	----- do -----
			154.04	Kg/Cm ²			
			147.24	Kg/Cm ²			
		Average	160.83	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/04/2020. for canal lining from ch. 5185 m to 5322 m.	7 th day compressive strength	158.57	Kg/Cm ²	140.00 Kg/cm ²	8.41	Qty represents - 65.00 cum for three sets of cubes.
			135.92	Kg/Cm ²			
			160.83	Kg/Cm ²			
		Average	151.77	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 30/04/2020. for canal lining from ch. 5185 m to 5322 m.	7 th day compressive strength	156.30	Kg/Cm ²	140.00 Kg/cm ²	11.65	Qty represents - 65.00 cum for three sets of cubes.
			163.10	Kg/Cm ²			
			149.51	Kg/Cm ²			
			Average	156.30			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/04/2020. for canal lining from ch. 5185 m to 5322 m.	7 th day compressive strength	169.89	Kg/Cm ²	140.00 Kg/cm ²	12.18	----- do -----
			154.04	Kg/Cm ²			
			147.24	Kg/Cm ²			
			Average	157.06			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/05/2020. for canal lining from ch. 5322 m to 5430 m.	7 th day compressive strength	165.36	Kg/Cm ²	140.00 Kg/cm ²	11.11	Qty represents - 47.00 cum for two sets of cubes.
			154.04	Kg/Cm ²			
			147.24	Kg/Cm ²			
			Average	155.55			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 02/05/2020. for canal lining from ch. 5322 m to 5430 m.	7 th day compressive strength	144.98	Kg/Cm ²	140.00 Kg/cm ²	7.87	----- do -----
			160.83	Kg/Cm ²			
			147.24	Kg/Cm ²			
			Average	151.02			
10	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 02/05/2020. for super passage.	7 th day compressive strength	192.55	Kg/Cm ²	175.00 Kg/cm ²	11.75	Qty represents - 4.40 cum.
			194.81	Kg/Cm ²			
			199.34	Kg/Cm ²			
			Average	195.57			

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