

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD / QC / F.6-2 / Cube -T-7790 To7793, 7795 To 7798, 7811 To 7814, 7827 To 7830 / Lab / **258** / 2019 - 20 Dated:- 24/ 07 / 2019

Laboratory : Bicholim - Goa.

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

Name of work : Construction of Pilgao Narve Distributory of LBMC of TIP from Ch. 8670 m to Ch. 10725 m at Narve Village in Bicholim Taluka.(Balance Work)

Ref. to Requisition No.: WRD /WD VIII / SD II / F.160-1 /2019-20/55 dated :-11 / 07 / 2019.

Qty. Recived. : 16 Sets of cubes Date of Receipt:- 15/ 07 / 2019. Tested on: 16/07/2019 To 19/07/2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1 : 1.5 : 3 O.S No. : 2603 To 2606/SS, 2608 To 2611/SS, 2624 To 2627/SS, 2640 To 2643 /SS. Lab. Sample No.: 6650 To 6665

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

REPORT PAGE 01 OF 03

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 18/06/2019.	28 th day compressive strength	299.01	Kg/Cm ²	265.00 Kg/cm ²	16.54	1.Quantity represented is not mentioned. 2.Exact location of work and whether it is PCC or RCC is not specified.
			317.14	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	308.83			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 18/06/2019.	28 th day compressive strength	339.79	Kg/Cm ²	265.00 Kg/cm ²	21.67	-do-
			292.22	Kg/Cm ²			
			335.26	Kg/Cm ²			
			Average	322.42			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 18/06/2019.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	4.86	-do-
			278.63	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	277.87			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 18/06/2019.	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	5.43	-do-
			283.16	Kg/Cm ²			
			260.51	Kg/Cm ²			
			Average	279.38			
5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/06/2019.	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	10.84	-do-
			292.22	Kg/Cm ²			
			317.14	Kg/Cm ²			
			Average	293.73			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 03

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/06/2019.	28 th day compressive strength	337.52	Kg/Cm ²	265.00 Kg/cm ²	21.10	1.Quantity represented is not mentioned. 2.Exact location of work and whether it is PCC or RCC is not specified.
			317.14	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	320.91	Kg/Cm²			
7	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/06/2019.	28 th day compressive strength	321.67	Kg/Cm ²	265.00 Kg/cm ²	15.12	-do-
			303.55	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	305.06	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/06/2019.	28 th day compressive strength	269.57	Kg/Cm ²	265.00 Kg/cm ²	4.29	-do-
			283.16	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	276.36	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 20/06/2019.	28 th day compressive strength	335.26	Kg/Cm ²	265.00 Kg/cm ²	11.98	-do-
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
10	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 20/06/2019.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	5.71	-do-
			271.83	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	280.14	Kg/Cm²			
11	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 20/06/2019.	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	4.57	-do-
			267.30	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
12	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 20/06/2019.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	6.85	-do-
			271.83	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	283.16	Kg/Cm²			
13	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 21/06/2019.	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	4.29	-do-
			289.95	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	276.36	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 21/06/2019.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	5.43	1.Quantity represented is not mentioned. 2.Exact location of work and whether it is PCC or RCC is not specified.
			299.01	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	279.38	Kg/Cm²			
15	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 21/06/2019.	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	6.00	-do-
			305.81	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	280.89	Kg/Cm²			
16	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 21/06/2019.	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	6.28	-do-
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	281.65	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