

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 4934,4935,4960,4961,4981,4982,5004,/ Lab / **135** / 2022 - 23 Dated:- 25/06/2022. Laboratory : Bicholim - Goa.
5005,5016,5017,5054,5055,5082 & 5083. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Pilgao-Narva Distributory of LBMC of T.I.P from Ch.8670m to Ch.10725m at Narve village in Bicholim Taluka.(Balance Work)

Ref. to Requisition No.: SDII/WDVIII/WRD/F.160/2022-23/19 Dated :- 13/06/ 2022.

Qty. Recived. : 14 Sets of cube Date of Receipt:- 13/06/ 2022. Tested on: 13,14,15,17,18,21 & 23/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No. :8904,8905,8933,8934,8955,8956,8978,8979,8990,8991,9028,9029,9056 & 9057/SS Lab. Sample No.: **4867 to 4880** 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 16/05/2022. For M.S pipe encasing Ch. 10.670 km to ch. 10.650 km.	28 th day	206.14	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 48.00 Cum for two sets of cubes.
		compressive	219.73	Kg/Cm ²			
		strength	231.06	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 16/05/2022. For M.S pipe encasing Ch. 10.670 km to ch. 10.650 km.	28 th day	235.59	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
		compressive	203.87	Kg/Cm ²			
		strength	215.20	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 17/05/2022. For M.S pipe encasing Ch. 10.650 km to ch. 10.635 km.	28 th day	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 49.00 Cum for two sets of cubes.
		compressive	249.18	Kg/Cm ²			
		strength	208.40	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 17/05/2022. For M.S pipe encasing Ch. 10.650 km to ch. 10.635 km.	28 th day	219.73	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
		compressive	197.08	Kg/Cm ²			
		strength	237.85	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 18/05/2022. For M.S pipe encasing Ch. 10.635 km to ch. 10.620 km.	28 th day	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 48.00 Cum for two sets of cubes.
		compressive	219.73	Kg/Cm ²			
		strength	217.47	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
6	Cement concrete cube of mix 1:2:4 , cast on 18/05/2022. For M.S pipe encasing Ch. 10.635 km to ch. 10.620 km.	28 th day	206.14	Kg/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
		compressive	215.20	Kg/Cm ²			
		strength	237.85	Kg/Cm ²			
		Average	219.73	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 20/05/2022. For M.S pipe encasing Ch. 10.620 km to ch. 10.605 km.	28 th day compressive strength	258.24	Kq/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 47.00 Cum for two sets of cubes.
			215.20	Kq/Cm ²			
			188.02	Kq/Cm ²			
		Average	220.49	Kq/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 20/05/2022. For M.S pipe encasing Ch. 10.620 km to ch. 10.605 km.	28 th day compressive strength	235.59	Kq/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			233.32	Kq/Cm ²			
			212.93	Kq/Cm ²			
		Average	227.28	Kq/Cm²			
9	Cement concrete cube of mix 1:2:4 , cast on 21/05/2022. For M.S pipe encasing Ch. 10.605 km to ch. 10.580 km.	28 th day compressive strength	224.26	Kq/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 49.00 Cum for two sets of cubes.
			226.53	Kq/Cm ²			
			212.93	Kq/Cm ²			
		Average	221.24	Kq/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 21/05/2022. For M.S pipe encasing Ch. 10.605 km to ch. 10.580 km.	28 th day compressive strength	235.59	Kq/Cm ²	210.00 Kg/cm ²	6.79	----- do -----
			210.67	Kq/Cm ²			
			226.53	Kq/Cm ²			
		Average	224.26	Kq/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 24/05/2022. For M.S pipe encasing Ch. 10.580 km to ch. 10.570 km.	28 th day compressive strength	212.93	Kq/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 46.00 Cum for two sets of cubes.
			235.59	Kq/Cm ²			
			226.53	Kq/Cm ²			
		Average	225.02	Kq/Cm²			
12	Cement concrete cube of mix 1:2:4 , cast on 24/05/2022. For M.S pipe encasing Ch. 10.580 km to ch. 10.570 km.	28 th day compressive strength	262.77	Kq/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			217.47	Kq/Cm ²			
			208.40	Kq/Cm ²			
		Average	229.55	Kq/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 26/05/2022. For M.S pipe encasing Ch. 10.570 km to ch. 10.395 km.	28 th day compressive strength	192.55	Kq/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 47.00 Cum for two sets of cubes.
			217.47	Kq/Cm ²			
			253.71	Kq/Cm ²			
		Average	221.24	Kq/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 26/05/2022. For M.S pipe encasing Ch. 10.570 km to ch. 10.395 km.	28 th day compressive strength	231.06	Kq/Cm ²	210.00 Kg/cm ²	4.63	----- do -----
			203.87	Kq/Cm ²			
			224.26	Kq/Cm ²			
		Average	219.73	Kq/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