

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2967,2968,2972,2973,2985,2986,3013,3014,3026 & 3027/ Lab/271 / 2021 - 22 Dated:- 24/01/2022. Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work :Construction of Anjuna Distributory taking off at Ch.28.970 km of the Left Bank Main Canal of Tillari Irrigation Project in Siolim & Anjuna Village of Bardez Taluka. **Part – II** : Construction of Rising main and reinstatement of allied structures for Anjuna Distributory from Ch.0.0 Kms to Ch.4.50Kms in Cucholim and Siolim Village of Bardez Taluka.

Ref. to Requisition No.: SDIII/WDVIII/WRD/WF.32(PART-II)/2021-22/249 Dt.:- 05/ 01/ 2022

Qty. Received. :10 Sets of cube Date of Receipt:- 06/01/ 2022. Tested on: -17,18,19,20 & 21/01/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1:1.5:3 O.S No. :7369,7370,7378,7379,7393,7394,7424,7425,7437&7438/SS. Lab. Sample No.:2671 To 2680 Tested By: Mrs. S.B. Naik Shirodkar J.E.

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SR .N	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 20/12/2021 for Anchor block for pipe in fields at ch. 1.00 kms	28th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty. represents -12.00 Cum
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	233.32			
2	Cement concrete cube of mix 1 :1.5 :3 , cast on 20/12/2021 for 11.25 deg bend at 1.05 kms	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	2.58	Qty. represents -14.50 Cum
			265.04	Kg/Cm ²			
			278.63	Kg/Cm ²			
			Average	271.83			
3	Cement concrete cube of mix 1 :1.5 :3 , cast on 21/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 1st lift.	28th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	3.72	Qty. represents -27.50 Cum for two sets of cubes.
			265.04	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	274.85			
4	Cement concrete cube of mix 1 :1.5 :3 , cast on 21/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 1st lift.	28th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	4.29	-do-
			260.51	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	276.36			
5	Cement concrete cube of mix 1 :1.5 :3 , cast on 22/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 2nd lift.	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	6.57	Qty. represents -22.00 Cum
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
			Average	282.40			

Junior Engineer

Assistant Engineer

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SR .N	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min. Value permissible	% above or below	REMARK
6	Cement concrete cube of mix 1 :2 :4 , cast on 22/12/2021 for Anchoring of pipe at cucholim opp. Saiba restaurant.	28th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty. represents - 15.00 Cum
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
7	Cement concrete cube of mix 1 :1.5 :3 , cast on 23/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 1st lift.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	5.43	Qty. represents - 25.00 Cum
			267.30	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	279.38	Kg/Cm²			
8	Cement concrete cube of mix 1 :2 :4 , cast on 23/12/2021 for 11.25 deg bend at ch. 1.80 kms	28th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty. represents -17.50 Cum
			249.18	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	230.30	Kg/Cm²			
9	Cement concrete cube of mix 1 :1.5 :3 , cast on 24/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 2nd lift.	28th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	4.86	Qty. represents -22.50 Cum for two sets of cubes.
			283.16	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	277.87	Kg/Cm²			
10	Cement concrete cube of mix 1 :1.5 :3 , cast on 24/12/2021 for 90 deg Thrust bl. (1) at ch. 1.8 kms - 2nd lift.	28th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/cm ²	3.15	-do-
			271.83	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	273.34	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD III , WD VIII, Karaswada-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