

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9486,9488,9492,9525,9535,9585 & 9613 / Lab / **29** / 2020 - 21 Dated:- 27 / 05 / 2020.

Laboratory : Bicholim - Goa.

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

Name of work : Construction of Anjuna Distributory taking off at ch. 28.97 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.0.00 kms To Ch. 4.50 Km in Cucholim & Siolim villages of Bardez Taluka.

Ref. to Requisition No.: SD III /WD VIII / WRD / W F.32 /(PART -II)/2020-21/ **13** Dated :- 14 / 05 / 2020.

Qty. Recived. : 07 Sets of cube Date of Receipt:- 14/05/ 2020. Tested on: - 15/05/2020 To 25 /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. :3588,3594,3602,3629,3639,3668,3682/SS. Lab. Sample No.: 8645 To 8651 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	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 17/04/2020. P.C.C. for Pipe casing at Culvert at Ch. 2.380Km. (S-6)	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents - 15.00 Cum.
			240.12	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	238.61	Kg/Cm²			
2	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 18/04/2020. P.C.C. for Cross Drainage at Ch. 2.00Km - 2.550 Km. (S-7)	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	16.86	Qty represents - 06.00 Cum.
			237.85	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	245.40	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 20/04/2020. R.C.C for Anchor blocks (S-8)	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	3.15	Qty represents - 18.00 Cum.
			271.83	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	273.34	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 22/04/2020. P.C.C. for Thrust block Ch. 2.0 - 3.10 Kms. (S-9)	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 04.00 Cum.
			249.18	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	231.81	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 23/04/2020. P.C.C. for Abutment walls Ch. 2.380 Km. (S-10)	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 20.00 Cum.
			231.06	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
6	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 25/04/2020. R.C.C for Thrust blocks Ch. 2.00 - 3. 10 kms (S-11)	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	5.71	Qty represents - 35.00 Cum.
			269.57	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	280.14	Kg/Cm²			
7	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 27/04/2020. P.C.C. for C D's & side gutter 2.55 - Ch. 3.10 Km. (S-12)	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 15.00 Cum.
			215.20	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	231.81	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDIII , WD VIII, WRD, 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