

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8609,8610,8629,8701,8702,8723,8724 & 8798 / Lab / **437** / 2019 - 20 Dated:- 14/ 02 / 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 I : Construction of pump house, manifold and supply & installation of pumps and motors, Transformer Sub station , Electrical accessories and internal wiring for Anjuna Distributory near Ch. 28.970 Kms of L.B.M.C. of T.I.P. at Cucholim Village of Bardez Taluka.

Ref. to Requisition No.: WRD /WD VIII / SD III / W F.32 /(PART -I)/2019-20/ **265** dated :- 23 / 01 / 2020.

Qty. Recived. : 08 Sets of cube Date of Receipt:- 24 / 01 / 2020. Tested on: - 25 /01/2020 To 14/02/2020 as per due dates Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 3117,3118,3119,3158,3159,3175,3176,3231/SS. Lab. Sample No.: 7719 To 7726 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	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 28/12/2019, PCC for Escape drain at Transformer. (S-43)	28 th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents - 15.00 Cum.
			244.65	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	254.46	Kg/Cm²			
2	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 28/12/2019, PCC for Retaining wall at Transformer 1 st lift. (S-44)	28 th day compressive strength	269.57	Kg/Cm ²	210.00 Kg/cm ²	22.61	Qty represents - 20.00 Cum .
			265.04	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	257.48	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 30/12/2019, RCC for slab for drain at transformer , regulator wall . (S-45)	28 th day compressive strength	326.20	Kg/Cm ²	265.00 Kg/cm ²	15.12	Qty represents - 10.00 Cum .
			299.01	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	305.06	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 07/01/2020, PCC for Escape drain retaining wall 1 st lift. (S-46)	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents - 25.00 Cum .
			246.91	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	254.46	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
5	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 07/01/2020, PCC for Escape drain wall 2 nd lift. (S-47)	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	18.66	Qty represents - 20.00 Cum.
			260.51	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	249.18	Kg/Cm²			
6	Reinforced Cement Concrete cube of mix 1 : 1.5 : 3 , cast on 08/01/2020, RCC for Lintels and Chajja ground floor (S-48)	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	6.00	Qty represents - 06.00 Cum .
			271.83	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	280.89	Kg/Cm²			
7	Reinforced Cement Concrete cube of mix 1 : 1.5 : 3 , cast on 08/01/2020, RCC for Lintels and Chajja first floor (S-49)	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	11.41	... Do ...
			289.95	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
8	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 17/01/2020, PCC for Building back side Retaining wall (S-50)	28 th day compressive strength	267.30	Kg/Cm ²	210.00 Kg/cm ²	22.25	Qty represents - 25.00 Cum .
			255.97	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	256.73	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