

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9098,9099,9215,9389,9405,9406 / Lab / **05** / 2020 - 21 Dated:- 13 / 04 / 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 substation, Electrical accessories and internal wiring for Anjuna Distributory near ch.28.970 kms of LBMC of TIP at Village Cucholim of Bardez Taluka.

Ref. to Requisition No.: SD III /WD VIII / WRD / W F.32 /(PART -I)/2019-20/ 304 Dated :- 06 / 03 / 2020.

Qty. Recived. : 06 Sets of cube Date of Receipt:- 09/03/ 2020. Tested on: - 09/03/2020 To 04 /04/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 3420,3421,3502/SS, 720,725,726/SP. Lab. Sample No.: 8358 To 8363 Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mr. S. M. Patri., A.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 : 1.5 : 3 , cast on 10/02/2020, for Sump tank-walls . (S-51)	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	7.99	Qty represents - 12.00 Cum.
			276.36	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 10/02/2020, for Pumps foundation (S-52).	28 th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/cm ²	8.85	Qty represents - 18.00 Cum.
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	288.44	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/02/2020. R.C.C for Slab for sump and septic tank. (S-53)	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	8.56	Qty represents - 7.00 Cum.
			283.16	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	287.69	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 05/03/2020. P.C.C. for retaining wall First lift at CD. (S-54)	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 20.00 Cum.
			235.59	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	229.55	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 06/03/2020. P.C.C. for retaining wall Second lift at CD. (S-55)	28 th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/cm ²	23.69	Qty represents - 20.00 Cum.
			271.83	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	259.75	Kg/Cm²			
6	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 07/03/2020. P.C.C. for retaining wall Third lift at CD. (S-56)	28 th day compressive strength	265.04	Kg/Cm ²	210.00 Kg/cm ²	28.72	Qty represents - 18.00 Cum.
			271.83	Kg/Cm ²			
			274.10	Kg/Cm ²			
		Average	270.32	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