

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T : 9230,9231,9244 To 9246,9253 To 9255. / Lab / **499** / 2019 - 20 Dated:- 26 / 03/ 2020

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

Name of Work: - Construction of Barrage and up gradation of Raw water pumping station at Ganjem on Mhadei River for Augmentation of Raw water for Opa water works Reg. Construction of Barrage , providing and laying 1000 mm dia. D.I. pipe Rising main and Break Pressure Tank at Ganjem in Sattari Taluka.

Ref. to Requisition No.: WRD/WDVI/SD I /F.W.215/2019-20/ **780** Dated :-19-03-2020

Qty. Recived. : 08 Sets of cube Date of Receipt: -19/03/2020. Tested on:- 19/03/2020 To 21/03/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 3524,3525,3539 & 3546/SS. Lab. Sample No.: 8441 To 8447 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	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 20/02/2020, RCC for abutment on LHS.	28th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/Cm ²	10.56	1) Represents Qty. 16.00 Cum.
			283.16	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	292.97	Kg/Cm²			
2	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 20/02/2020, RCC for abutment on LHS.	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	7.14	-do-
			294.48	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	283.91	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/Cm ²	4.57	1) Represents Qty. 20.00 Cum.
			299.01	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
4	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	8.85	-do-
			276.36	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	288.44	Kg/Cm²			
5	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 21/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/Cm ²	9.42	-do-
			271.83	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	289.95	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
6	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	6.57	Represents Qty. 20.00 Cum.
			271.83	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	282.40	Kg/Cm²			
7	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/Cm ²	0.87	-do-
			253.71	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	267.30	Kg/Cm²			
8	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 22/02/2020, RCC for foundation of retaining wall on LHS	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	6.85	-do-
			294.48	Kg/Cm ²			
			265.04	Kg/Cm ²			
		Average	283.16	Kg/Cm²			

1. Copy to: The Assistant Engineer SD I , WD VI , WRD , Bicholim Goa.

2. Copy submitted to: The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa. For kind Information.

3. Copy submitted to: The Executive Engineer ,WDVI,WRD, Bicholim-Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer