

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 9954 To 9957, 9972 To 9975, 9985 To 9987 / Lab / **71** / 2020 - 2021

Dated:- 24 / 06/ 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 Part I: 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.215/2020-21/ **93** Dated :- 10-06-2020

Qty. Recived. : 11 Sets of cube Date of Receipt: -11 /06/2020. Tested on:- 11 TO 13/06/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 3877,3878,3891,3892,3900 & 3901/SS. Lab. Sample No.: 9196 To 9206, 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	Cement concrete cube of mix 1:1.5:3 , cast on 14/05/2020. RCC for Pier P9-1 st lift.	28th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/Cm ²	13.69	Represents Qty. 13.50 Cum.
			303.55	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	301.28			
2	Cement concrete cube of mix 1:1.5:3 , cast on 14/05/2020. RCC for Pier P9-1 st lift.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	10.27	--- do ---
			299.01	Kg/Cm ²			
			285.42	Kg/Cm ²			
			Average	292.22			
3	Cement concrete cube of mix 1:1.5:3 , cast on 14/05/2020. RCC for Pier P6-2 nd lift.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	8.85	--- do ---
			303.55	Kg/Cm ²			
			278.63	Kg/Cm ²			
			Average	288.44			
4	Cement concrete cube of mix 1:1.5:3 , cast on 14/05/2020. RCC for Pier P6-2 nd lift.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	10.84	--- do ---
			308.08	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	293.73			
5	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2020. RCC for Pier P7-2 nd lift.	28th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/Cm ²	11.13	--- do ---
			305.81	Kg/Cm ²			
			280.89	Kg/Cm ²			
			Average	294.48			
6	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2020. RCC for Pier P7-2 nd lift.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	4.86	--- do ---
			280.89	Kg/Cm ²			
			269.57	Kg/Cm ²			
			Average	277.87			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2020. RCC for Pier P8-2 nd lift.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/Cm ²	7.99	Represents Qty. 13.50 Cum.
			294.48	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
8	Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2020. RCC for Pier P8-2 nd lift.	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	9.42	--- do ---
			285.42	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	289.95	Kg/Cm²			
9	Cement concrete cube of mix 1:1.5:3 , cast on 16/05/2020. RCC for wall on RHS up to 2.3 m.	28th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/Cm ²	10.27	Represents Qty. 13.00 Cum.
			276.36	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	292.22	Kg/Cm²			
10	Cement concrete cube of mix 1:1.5:3 , cast on 16/05/2020. RCC for abutment on RHS up to 2.4 m.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	9.42	Represents Qty. 12.50 Cum.
			287.69	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	289.95	Kg/Cm²			
11	Cement concrete cube of mix 1:1.5:3 , cast on 16/05/2020. RCC for abutment on RHS up to 2.4 m.	28th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/Cm ²	11.13	--- do ---
			308.08	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	294.48	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