

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 9900 To 9903, 9917 To 9920, 9932 To 9935 / Lab /70 / 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/ 90 Dated :- 08-06-2020

Qty. Recived. : 12 Sets of cube Date of Receipt: -08 /06/2020. Tested on:- 08 TO 10/06/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 3840,3841,3852,3853,3861 & 3862/SS. Lab. Sample No.: 9161 To 9172, 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	Cement concrete cube of mix 1:1.5:3 , cast on 11/05/2020. RCC for Pier P5-3 rd lift.	28th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/Cm ²	10.56	Represents Qty. 13.50 Cum.
			303.55	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	292.97	Kg/Cm²			
2	Cement concrete cube of mix 1:1.5:3 , cast on 11/05/2020. RCC for Pier P5-3 rd lift.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	6.28	--- do ---
			280.89	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	281.65	Kg/Cm²			
3	Cement concrete cube of mix 1:1.5:3 , cast on 11/05/2020. RCC for Pier P6-1 st lift.	28th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/Cm ²	9.99	--- do ---
			289.95	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	291.46	Kg/Cm²			
4	Cement concrete cube of mix 1:1.5:3 , cast on 11/05/2020. RCC for Pier P6-1 st lift.	28th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/Cm ²	4.57	--- do ---
			271.83	Kg/Cm ²			
			274.10	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
5	Cement concrete cube of mix 1:1.5:3 , cast on 12/05/2020. RCC for Pier P7-1 st lift.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	7.42	--- do ---
			283.16	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
6	Cement concrete cube of mix 1:1.5:3 , cast on 12/05/2020. RCC for Pier P7-1 st lift.	28th day compressive strength	308.08	Kg/Cm ²	265.00 Kg/Cm ²	9.70	--- do ---
			287.69	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	290.71	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
7	Cement concrete cube of mix 1:1.5:3 , cast on 12/05/2020. RCC for Pier P8-1 st lift.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	7.42	Represents Qty. 13.50 Cum.
			271.83	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	284.67			
8	Cement concrete cube of mix 1:1.5:3 , cast on 12/05/2020. RCC for Pier P8-1 st lift.	28th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/Cm ²	5.43	--- do ---
			283.16	Kg/Cm ²			
			278.63	Kg/Cm ²			
			Average	279.38			
9	Cement concrete cube of mix 1:1.5:3 , cast on 13/05/2020. RCC for foundation of return wall on RHS.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	6.57	Represents Qty. 20.00 Cum.
			285.42	Kg/Cm ²			
			271.83	Kg/Cm ²			
			Average	282.40			
10	Cement concrete cube of mix 1:1.5:3 , cast on 13/05/2020. RCC for foundation of return wall on RHS.	28th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/Cm ²	9.42	--- do ---
			287.69	Kg/Cm ²			
			305.81	Kg/Cm ²			
			Average	289.95			
11	Cement concrete cube of mix 1:1.5:3 , cast on 13/05/2020. RCC for foundation of return wall on RHS.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/Cm ²	7.14	--- do ---
			280.89	Kg/Cm ²			
			299.01	Kg/Cm ²			
			Average	283.91			
12	Cement concrete cube of mix 1:1.5:3 , cast on 13/05/2020. RCC for foundation of return wall on RHS.	28th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/Cm ²	8.56	--- do ---
			294.48	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	287.69			

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