

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T :7044 To 7055 / Lab / **165** / 2019 - 20 Dated:- 07 / 06 / 2019

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/ **185** Dated :- 06-06-2019

Qty. Recived. : 12 Sets of cube Date of Receipt: - 06/06/2019. Tested on: - 06/06/2019 Ref to CPWD :2002, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 2108/SS To 2119/ SS. Lab. Sample No.: 5081 To 5092. 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	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/Cm ²	4.57	Represents Qty. 20.00 Cum.
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
2	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/Cm ²	11.41	--- do---
			317.14	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	328.46	Kg/Cm ²	265.00 Kg/Cm ²	16.54	--- do---
			305.81	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	308.83	Kg/Cm²			
4	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/Cm ²	17.11	--- do---
			317.14	Kg/Cm ²			
			326.20	Kg/Cm ²			
		Average	310.34	Kg/Cm²			
5	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	323.93	Kg/Cm ²	265.00 Kg/Cm ²	18.53	--- do---
			308.08	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	314.12	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
6	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	7.71	Represents Qty. 20.00 Cum.
			271.83	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	285.42	Kg/Cm²			
7	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	11.13	--- do---
			310.34	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
8	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/Cm ²	6.28	--- do---
			276.36	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	281.65	Kg/Cm²			
9	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/Cm ²	10.84	--- do---
			299.01	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
10	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/Cm ²	4.86	--- do---
			285.42	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	277.87	Kg/Cm²			
11	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/Cm ²	9.13	--- do---
			292.22	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	289.20	Kg/Cm²			
12	Reinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 09 / 05 /2019, RCC for floor of barrage from Ch. 00 - 55 m.	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	8.28	--- do---
			301.28	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	286.93	Kg/Cm²			

Copy to: 1. 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