

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T : 6967 To 6978 / Lab / **157** / 2019 - 20 Dated:- 04 / 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/ **174** Dated :- 03-06-2019

Qty. Recived. : 12 Sets of cube Date of Receipt: - 03/06/2019. Tested on: - 03 /06/2019 Ref to CPWD :2002, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 2025 To 2036/SS. Lab. Sample No.: 5019 To 5030. Tested By: - Mrs. S. B. Naik Shirodkar. J.E..

Cube Test is witnessed by Shri. Ramdas . B. Nayak., representative of M/s . PRN INFRATECH.

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/Cm ²	4.57	Represents Qty. 20.00 Cum.
			260.51	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
2	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	326.20	Kg/Cm ²	265.00 Kg/Cm ²	17.68	--- do---
			292.22	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	311.85	Kg/Cm²			
3	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	249.18	Kg/Cm ²	265.00 Kg/Cm ²	2.86	--- do---
			296.75	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	272.59	Kg/Cm²			
4	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/Cm ²	25.09	--- do---
			362.44	Kg/Cm ²			
			326.20	Kg/Cm ²			
		Average	331.48	Kg/Cm²			
5	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/Cm ²	11.41	--- do---
			335.26	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	295.24	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	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/Cm ²	11.98	Represents Qty. 20.00 Cum.
			294.48	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
7	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/Cm ²	10.27	--- do---
			283.16	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	292.22	Kg/Cm²			
8	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	9.13	--- do---
			278.63	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	289.20	Kg/Cm²			
9	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/Cm ²	6.57	--- do---
			292.22	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	282.40	Kg/Cm²			
10	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/Cm ²	7.14	--- do---
			283.16	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	283.91	Kg/Cm²			
11	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	5.71	--- do---
			262.77	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	280.14	Kg/Cm²			
12	Rinforced Cement concrete cube of mix 1 : 1.5 : 3, cast on 06 / 05 /2019, RCC for floor of barrage from Ch. 0 - 55 m.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	6.57	--- do---
			265.04	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	282.40	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