

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

Test Report No.: WRD/QC/F.6-2/Cube -T-8835,8836,8848,8849,8850,8862,8863/ Lab / **446** / 2019 - 20
Laboratory : Bicholim -Goa

Dated:-21 / 02 / 2020

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/ 693 Dated :-18-02-2020

Qty. Recived. : 07 Sets of cube Date of Receipt: - 18/02/2020. Tested on: -18/02/2020 To 20/02/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 3247,3248,3263,3264,3265/SS,1739,1740/AF Lab. Sample No.: 7999 To 8005.

Tested By: Mr. Anil R. Fadte. JE. & Mrs. S.B.Naik Shirodkar, J.E.

Two sets of Cubes cast on 21/01/2020 and tested on 18/02/2020 has been witnessed by Shri. Vijay M. Koravi, the representative of M/S P. R. N. Infratech.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 21/01/2020, for crest of 1st opening.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	2.58	Represents Qty. 20.00 Cum.
			260.51	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	271.83	Kg/Cm²			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 21/01/2020, for crest of 1st opening.	28th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/Cm ²	6.85	-Do-
			276.36	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	283.16	Kg/Cm²			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 22/01/2020, for crest of 1st opening.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	2.86	-Do-
			255.97	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	272.59	Kg/Cm²			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 22/01/2020, for crest of 1st opening.	28th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/Cm ²	4.00	-Do-
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	275.61	Kg/Cm²			
5	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 22/01/2020, for crest of 2nd opening.	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	3.15	-Do-
			271.83	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	273.34	Kg/Cm²			
6	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 23/01/2020, for crest of 2nd opening.	28th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/Cm ²	4.29	-Do-
			283.16	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	276.36	Kg/Cm²			
7	Reinforced Cement concrete cubes of mix 1:1.5:3 , cast on 23/01/2020, for crest of 2nd opening.	28th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/Cm ²	6.28	-Do-
			260.51	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	281.65	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