

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 7192 To 7205 / Lab / **185**/ 2019 - 20 Dated:- 14 / 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/ **197** Dated :- 12-06-2019

Qty. Recived. : 14 Sets of cube Date of Receipt: - 12/06/2019. Tested on: -12/06/2019 Ref to CPWD :2002, Vol. I

Sample: PCC 1 : 1.5 : 3 Mix O.S No. : 827/AF To 840/AF. Lab. Sample No.: 6087 To 6100. Tested By: - Mr. Anil R. Fadte,J.E.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	312.61	Kg/Cm ²	265.00 Kg/Cm ²	18.82	Represents Qty. 20.00 Cum.
			326.20	Kg/Cm ²			
			305.81	Kg/Cm ²			
			314.87	Kg/Cm²			
2	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	18.25	-do-
			332.99	Kg/Cm ²			
			314.87	Kg/Cm ²			
			313.36	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	312.61	Kg/Cm ²	265.00 Kg/Cm ²	21.38	-do-
			330.73	Kg/Cm ²			
			321.67	Kg/Cm ²			
			321.67	Kg/Cm²			
4	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	323.93	Kg/Cm ²	265.00 Kg/Cm ²	19.96	-do-
			301.28	Kg/Cm ²			
			328.46	Kg/Cm ²			
			317.89	Kg/Cm²			
5	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	328.46	Kg/Cm ²	265.00 Kg/Cm ²	21.67	-do-
			312.61	Kg/Cm ²			
			326.20	Kg/Cm ²			
			322.42	Kg/Cm²			
6	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/Cm ²	21.38	-do-
			326.20	Kg/Cm ²			
			328.46	Kg/Cm ²			
			321.67	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/Cm ²	18.25	Represents Qty. 20.00 Cum.
			314.87	Kg/Cm ²			
			330.73	Kg/Cm ²			
			Average	313.36			
8	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	328.46	Kg/Cm ²	265.00 Kg/Cm ²	19.39	-do-
			308.08	Kg/Cm ²			
			312.61	Kg/Cm ²			
			Average	316.38			
9	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/Cm ²	20.53	-do-
			326.20	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	319.40			
10	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	323.93	Kg/Cm ²	265.00 Kg/Cm ²	19.96	-do-
			303.55	Kg/Cm ²			
			326.20	Kg/Cm ²			
			Average	317.89			
11	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	314.87	Kg/Cm ²	265.00 Kg/Cm ²	20.24	-do-
			312.61	Kg/Cm ²			
			328.46	Kg/Cm ²			
			Average	318.65			
12	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	326.20	Kg/Cm ²	265.00 Kg/Cm ²	19.96	-do-
			319.40	Kg/Cm ²			
			308.08	Kg/Cm ²			
			Average	317.89			
13	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	323.93	Kg/Cm ²	265.00 Kg/Cm ²	21.95	-do-
			314.87	Kg/Cm ²			
			330.73	Kg/Cm ²			
			Average	323.18			
14	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 15/05/2019, RCC for floor of Barage from 0-55 m.	28th day compressive strength	308.08	Kg/Cm ²	265.00 Kg/Cm ²	20.53	-do-
			326.20	Kg/Cm ²			
			323.93	Kg/Cm ²			
			Average	319.40			

- 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