

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 8941 To 8943, 8955 To 8957 / Lab / **460** / 2019 - 20 Dated:- 29 / 02 / 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 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/ 722 Dated :-27-02-2020

Qty. Recived. : 06 Sets of cube Date of Receipt: -27/02/2020. Tested on:- 27/02/2020 & 28/02/2020 Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix O.S No. : 3203 To 3205/SS, 1816 To 1818/AF. Lab. Sample No.: 8159 To 8164.

Tested By: - Mr. Anil R. Fadte,J.E. & Mrs. S.S.Shirodkar,J.E.

The cubes cast on 30/01/2020 and tested on 28/02/2020 have been witnessed by Mr. Vijay M. Koravi,the representative of the agency.

REPORT PAGE 01 OF 01

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 30/01/2020, RCC for crest for 3rd opening.	28th day compressive strength	301.28	Kg/Cm ²	265.00 Kg/Cm ²	7.42	Represents Qty. 20.00 Cum.
			285.42	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
2	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/01/2020, RCC for crest for 3rd opening.	28th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/Cm ²	9.13	-do-
			289.95	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	289.20	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 30/01/2020, RCC for crest for 3rd opening.	28th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/Cm ²	6.00	-do-
			271.83	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	280.89	Kg/Cm²			
4	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/01/2020, RCC for abutment on LHS.	28th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/Cm ²	7.42	Represents Qty. 17.00 Cum.
			283.16	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
5	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/01/2020, RCC for abutment on LHS.	28th day compressive strength	314.87	Kg/Cm ²	265.00 Kg/Cm ²	17.96	-do-
			303.55	Kg/Cm ²			
			319.40	Kg/Cm ²			
		Average	312.61	Kg/Cm²			
6	Reinforced Cement concrete cube of mix 1:1.5:3 , cast on 31/01/2020, RCC for retaining wall on LHS.	28th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/Cm ²	13.98	Represents Qty. 16.00 Cum.
			296.75	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	302.03	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