

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 8985,8986,8999 To 9002 / Lab / **469** / 2019 - 20      Dated:- 04 / 03/ 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/ **729**      Dated :-02-03-2020

Qty. Recived. : 06 Sets of cube      Date of Receipt: -02/03/2020.      Tested on:- 02/03/2020 & 03/03/2020

Ref to CPWD :2009, Vol. I

Sample: RCC 1 : 1.5 : 3 Mix      O.S No. : 3329,3330,3340 To 3343/SS.      Lab. Sample No.: 8222 To 8227.

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 <b>1:1.5:3</b> , cast on 03/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	271.83	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	4.00	Represents Qty. 20.00 Cum.
			265.04	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>275.61</b>			
2	Reinforced Cement concrete cube of mix <b>1:1.5:3</b> , cast on 03/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	10.84	-do-
			294.48	Kg/Cm <sup>2</sup>			
			305.81	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>293.73</b>			
3	Reinforced Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	285.42	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	7.14	-do-
			294.48	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>283.91</b>			
4	Reinforced Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	303.55	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	6.57	-do-
			271.83	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>282.40</b>			
5	Reinforced Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	3.72	-do-
			271.83	Kg/Cm <sup>2</sup>			
			258.24	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>274.85</b>			
6	Reinforced Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/02/2020, RCC for crest of 4 <sup>th</sup> opening.	28th day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/Cm <sup>2</sup>	2.58	-do-
			289.95	Kg/Cm <sup>2</sup>			
			265.04	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>271.83</b>			

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