

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 801,802,811,812,/ Lab / **247** /2020 - 21 Dated:- 16/ 02 / 2021. Laboratory : Bicholim - Goa
825 ,826,863,845,846,864,872,873 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. Part I- Construction of Barrage providing and laying 1000mm dia D.Ipipe Rising main and Break Pressure Tank at Ganjem in Sattari Taluka

Ref. to Requisition No.:WRD/WDVI/SDI/F.W.215/2020-21/461 Dated :- 22/ 01 / 2021.

Qty. Recived. :12 Sets of cube Date of Receipt:- 22/ 01/ 2021. Tested on: -28/01/2021 To 30/01/2021 & 1,2,3/02/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3 O.S No. :4822,4823,4833,4834,4848,4849,4872,4873,4890,4891,4900,4901/SS Lab. Sample No.:189 to 200

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	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 31/12/2020. R.C.C. for side wall on LHS on D/s from 8.60m-9.75m.	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	11.70	Qty represents - 16.50 Cum.
			296.75	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 31/12/2020. R.C.C. for side wall on LHS on D/s from 8.60m-9.75m.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	7.14	Qty represents - 16.50 Cum.
			283.16	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	283.91	Kg/Cm²			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 01/01/2021. R.C.C. for abutment on LHS from 10.80-11.85m.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	6.28	Qty represents - 13.00 Cum.
			271.83	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	281.65	Kg/Cm²			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 01/01/2021. R.C.C. for abutment on LHS from 10.80-11.85m.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	8.56	Qty represents - 13.00 Cum.
			276.36	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	287.69	Kg/Cm²			
5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 02/01/2021. R.C.C. for pier P1 10.80-11.85m.	28 th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/cm ²	11.70	Qty represents - 12.00 Cum.
			310.34	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	295.99	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 02/01/2021. R.C.C. for pier P1 10.80-11.85m.	28 th day compressive strength	269.57	Kg/Cm ²	265.00 Kg/cm ²	3.72	Qty represents - 12.00 Cum.
			262.77	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	274.85	Kg/Cm²			
7	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/01/2021. R.C.C. for abutment on LHS from 11.85-13.05m.	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	13.12	Qty represents - 15.00 Cum.
			303.55	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 04/01/2021. R.C.C. for abutment on LHS from 11.85-13.05m.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	13.98	Qty represents - 15.00 Cum.
			305.81	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 05/01/2021. R.C.C. for pier P1 11.85-13.05m.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	4.57	Qty represents -13.50 Cum.
			262.77	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	277.12	Kg/Cm²			
10	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 05/01/2021. R.C.C. for pier P1 11.85-13.05m.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	14.83	Qty represents -13.50 Cum.
			310.34	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
11	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 06/01/2021. R.C.C. for pier P2 10.80-11.85m.	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	7.99	Qty represents - 12.00.
			294.48	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
12	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 06/01/2021. R.C.C. for pier P2 10.80-11.85m.	28 th day compressive strength	303.55	Kg/Cm ²	265.00 Kg/cm ²	13.69	Qty represents - 12.00.
			308.08	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	301.28	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDI , 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 , WD VI ,WRD, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer