

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :720,721,730,731,737,738,745,746 / Lab / **232** / 2020 - 21 Dated:- 10/ 02 /2021. 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. Part I-Construction of Barrage providing and laying 1000mm dia D.I pipe rising main and break pressure tank at Ganjem in Sattari Taluka.

Ref. to Requisition No.:WRD/ WDV/SDI/F.W.215/2020-21/452 Dated :- 18/ 01 / 2021.

Qty. Recived. :8 Sets of cube Date of Receipt:- 18/ 01 / 2021. Tested on: -18 To 21/01/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 1.5 : 3 O.S No. : 34,35/RK,4745,4746,4753,4754,4761,4762/SS. Lab. Sample No.: 127 To 134 Tested By:Mrs.R.R.Kadam A.E & 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 21/12/2020. RCC For Side Wall on LHS on D/s from 7.20m-8.60m RL.	28 th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/cm ²	15.40	Qty represents -19.50 Cum.
			312.61	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 21/12/2020. RCC For Side Wall on LHS on D/s from 7.20m-8.60m RL.	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	10.84	Qty represents -19.50 Cum.
			283.16	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 22/12/2020. RCC For Side Wall on LHS on D/s from 7.20m-8.60m RL.	28 th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/cm ²	10.56	Qty represents -19.50 Cum.
			292.22	Kg/Cm ²			
			276.36	Kg/Cm ²			
		Average	292.97	Kg/Cm²			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 22/12/2020. RCC For Side Wall on LHS on D/s from 7.20m-8.60m RL.	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	11.41	Qty represents -19.50 Cum.
			301.28	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 23/12/2020. RCC For central key wall on LHS from R.L.7.60m-9.75m	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	8.28	Qty represents -18.50 Cum.
			278.63	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	286.93	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 23/12/2020. RCC For central key wall on LHS from R.L.7.60m-9.75m	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	10.27	Qty represents -18.50 Cum.
			299.01	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	292.22	Kg/Cm ²			
7	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 24/12/2020. RCC For abutment on LHS from 9.6m-10.8m	28 th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/cm ²	7.99	Qty represents - 15.00 Cum.
			289.95	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	286.18	Kg/Cm ²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 24/12/2020. RCC For abutment on LHS from 9.6m-10.8m	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	11.13	Qty represents - 15.00 Cum.
			299.01	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	294.48	Kg/Cm ²			

- Copy to: 1. 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 , WD VI ,WRD, Bicholim- Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer