

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :1821,1832,1833,1834,1835,1906,1932/ Lab / **79** / 2021 - 22 Dated:- 22 / 05 / 2021. Laboratory : Bicholim - Goa.
1986,2002 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.215/2021-22/21 Dated :- 19/ 04 / 2021.

Qty. Received. :09 Sets of cube Date of Receipt:- 19/ 04 / 2021. Tested on: - 29,30/04/2021 & 07,10,15,17/05/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3 & M 35 O.S No. 6024,6039,6040,6041,6042,6116,6146,6212,6232/SS Lab. Sample No.: 1282 to 1290 Tested By: Mrs. 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 01/04/2021.For Key wall R.H.S foundation.	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	7.71	Qty represents -18.00 Cum.
			258.24	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	285.42	Kg/Cm²			
2	Cement concrete cube of mix M 35 , cast on 02/04/2021. RCC for 10 th span of service bridge of barrage.	28 th day compressive strength	410.01	Kg/Cm ²	400.00 Kg/cm ²	2.13	Qty represents -9.00 Cum.
			394.16	Kg/Cm ²			
			421.34	Kg/Cm ²			
		Average	408.50	Kg/Cm²			
3	Cement concrete cube of mix M 35 , cast on 02/04/2021. RCC for 10 th span of service bridge of barrage.	28 th day compressive strength	407.75	Kg/Cm ²	400.00 Kg/cm ²	2.50	Qty represents -9.00 Cum.
			428.13	Kg/Cm ²			
			394.16	Kg/Cm ²			
		Average	410.01	Kg/Cm²			
4	Cement concrete cube of mix M 35 , cast on 02/04/2021. RCC for 10 th span of service bridge of barrage.	28 th day compressive strength	419.07	Kg/Cm ²	400.00 Kg/cm ²	2.69	Qty represents -9.00 Cum.
			405.48	Kg/Cm ²			
			407.75	Kg/Cm ²			
		Average	410.77	Kg/Cm²			
5	Cement concrete cube of mix M 35 , cast on 02/04/2021. RCC for 10 th span of service bridge of barrage.	28 th day compressive strength	394.16	Kg/Cm ²	400.00 Kg/cm ²	4.39	Qty represents -9.00 Cum.
			425.87	Kg/Cm ²			
			432.67	Kg/Cm ²			
		Average	417.56	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 09/04/2021.For Key wall R.H.S 1 st step.	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	2.58	Qty represents - 16.00 Cum.
			280.89	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	271.83	Kg/Cm²			
7	Cement concrete cube of mix 1:1.5:3 , cast on 12/04/2021.For Ret wall R.H.S U/s.	28 th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/cm ²	4.00	Qty represents - 7.00 Cum.
			258.24	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	275.61	Kg/Cm²			
8	Cement concrete cube of mix 1:1.5:3 , cast on 17/04/2021.For Key wall R.H.S 2 nd step.	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	4.00	Qty represents - 16.00 Cum.
			283.16	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	275.61	Kg/Cm²			
9	Cement concrete cube of mix 1:1.5:3 , cast on 19/04/2021.For Key wall R.H.S 3 rd step.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	9.42	Qty represents - 16.00 Cum.
			289.95	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	289.95	Kg/Cm²			

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