

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7316,7317,7326,7327,7345,7346/Lab/**116**/2023 - 24 Dated:- 30/06/2023.
7367,7368,7384,7385,7404,7405.

Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Repair and Renovation to Goygane Irrigation Tank/Lake and main outlet at Goygane Mayem in Bicholim Taluka.

Ref. to Requisition No : F.246/WRD/WDVI/SDI/105/2023-24. Dt.:- 17/06/2023

Qty. Received : **12** Sets of cube Date of Receipt:- 19/06/2023. Tested on:- 19,20,21,23,24 & 26/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1534,1535,/RK. & 943,944,954,955,979,980,999,1000,1020,1021/SS. Lab. Sample No: 7544 to 7555

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 1:2:4 , cast on 22/05/2023. PCC for Foundation of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 20.00 M3.
			228.79	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	226.53			
2	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. PCC for Foundation of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 16.00 M3.
			237.85	Kg/Cm ²			
			222.00	Kg/Cm ²			
			Average	224.26			
3	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. PCC for Foundation of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 16.50 M3.
			212.93	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	220.49			
4	Cement concrete cube of mix 1:2:4 , cast on 23/05/2023. PCC for Foundation of Ret Wall LHS of Sluice of Tank.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 16.50 M3.
			235.59	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	233.32			
5	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. PCC for Foundation of Abutment RHS of Sluice of Tank.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 22.00 M3.
			212.93	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	218.22			

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 1:2:4 , cast on 24/05/2023. PCC for Foundation of Abutment RHS of Sluice of Tank.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 22.00 M3.
			226.53	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	227.28			
7	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. PCC for 1st Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.47	Qty represents - 12.00 M3.
			226.53	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	234.08			
8	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. PCC for 1st Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 19.50 M3.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	227.28			
9	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. PCC for 2nd Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 10.00 M3.
			235.59	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	228.79			
10	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. PCC for 2nd Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	12.54	Qty represents - 17.00 M3.
			231.06	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	236.34			
11	Cement concrete cube of mix 1:2:4 , cast on 29/05/2023. PCC for 3rd Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	3.91	Qty represents - 9.00 M3.
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	218.22			
12	Cement concrete cube of mix 1:2:4 , cast on 29/05/2023. PCC for 3rd Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 15.00 M3.
			212.93	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	216.71			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer