

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7428,7429,7444,7445,7452/Lab/**129**/2023 - 24 Dated:- 05/07/2023.
7453,7461,7462,7469,7470.

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.257/WRD/WDVI/SDI/116/2023-24. Dt.:- 26/06/2023

Qty. Received : **10** Sets of cube Date of Receipt:- 28/06/2023. Tested on:- 28,30/06/2023 & 02,03,04/07/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1553,1554/RK. & 1034,1035,1050,1051,1058,1059,1063,1064/SS. Lab. Sample No: 7603 to 7612

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 31/05/2023. PCC for 4th Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 20.00 M3.
			244.65	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	237.85			
2	Cement concrete cube of mix 1:2:4 , cast on 31/05/2023. PCC for 1st Step of Ret Wall LHS of Sluice of Tank.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 10.00 M3.
			226.53	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	225.77			
3	Cement concrete cube of mix 1:2:4 , cast on 02/06/2023. PCC for 5th Step of Ret Wall RHS of Sluice of Tank.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 9.80 M3.
			231.06	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	231.06			
4	Cement concrete cube of mix 1:2:4 , cast on 02/06/2023. PCC for 2nd Step of Ret Wall LHS of Sluice of Tank.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	10.75	Qty represents - 8.50 M3.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	232.57			
5	Cement concrete cube of mix 1:2:4 , cast on 04/06/2023. PCC for Abutment RHS of Sluice of Tank. (for 1mtr ht)	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	14.34	Qty represents - 16.50 M3.
			246.91	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	240.12			

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 1:2:4 , cast on 04/06/2023. PCC for Abutment LHS of Sluice of Tank. (for 1mtr ht)	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 16.50 M3.
			249.18	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	233.32			
7	Cement concrete cube of mix 1:2:4 , cast on 05/06/2023. PCC for Abutment RHS of Sluice of Tank. (for 1 to 2m)	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 14.00 M3.
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	223.51			
8	Cement concrete cube of mix 1:2:4 , cast on 05/06/2023. PCC for Abutment LHS of Sluice of Tank. (for 1 to 2m)	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 14.00 M3.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	227.28			
9	Cement concrete cube of mix 1:2:4 , cast on 06/06/2023. PCC for Abutment RHS of Sluice of Tank. (for 2 to 3m)	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 11.00 M3.
			212.93	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	217.47			
10	Cement concrete cube of mix 1:2:4 , cast on 06/06/2023. PCC for Abutment LHS of Sluice of Tank. (for 2 to 3m)	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 11.00 M3.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	226.53			

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