

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6706,6707,6719,6720,6732,6733/Lab/**37**/2023 - 24 Dated:- 28/04/2023.
6740,6741,6742,6749,6750.

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

Name of work : Construction of Raw Water Pumping Station at Amthane for Dhumacem water treatment Plant and Industrial Estate at Latambarcem.

Ref. to Requisition No : WRD/WDVI/SDI/F.W.247/2022-23/29. Dt.:- 20/04/2023

Qty. Received : 11 Sets of cube Date of Receipt:- 20/04/2023. Tested on:- 21,22,24,25 & 26/04/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4 & 1:1.5:3** O.S No : 1106,1107/RK & 699,700,712,713,721,722,723,730,731/SS Lab. Sample No: 6872 to 6882

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 14/04/2023. PCC for the Dam Top.	7 th day compressive strength	158.57	Kg/Cm ²	140.00 Kg/cm ²	11.65	1)Qty represents - 19.20 Cum. 2)28th day test due on 12/05/2023
			156.30	Kg/Cm ²			
			154.04	Kg/Cm ²			
		Average	156.30	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 14/04/2023. PCC for the Dam Top.	7 th day compressive strength	169.89	Kg/Cm ²	140.00 Kg/cm ²	12.18	1)Qty represents - 19.20 Cum. 2)28th day test due on 12/05/2023
			154.04	Kg/Cm ²			
			147.24	Kg/Cm ²			
		Average	157.06	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 15/04/2023. PCC for the Dam Top.	7 th day compressive strength	156.30	Kg/Cm ²	140.00 Kg/cm ²	15.42	1)Qty represents - 19.20 Cum. 2)28th day test due on 13/05/2023
			169.89	Kg/Cm ²			
			158.57	Kg/Cm ²			
		Average	161.59	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 15/04/2023. PCC for the Dam Top.	7 th day compressive strength	169.89	Kg/Cm ²	140.00 Kg/cm ²	17.58	1)Qty represents - 19.20 Cum. 2)28th day test due on 13/05/2023
			158.57	Kg/Cm ²			
			165.36	Kg/Cm ²			
		Average	164.61	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 17/04/2023. PCC for the Dam Top.	7 th day compressive strength	163.10	Kg/Cm ²	140.00 Kg/cm ²	11.11	1)Qty represents - 19.20 Cum. 2)28th day test due on 15/05/2023
			156.30	Kg/Cm ²			
			147.24	Kg/Cm ²			
		Average	155.55	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 1:2:4 , cast on 17/04/2023. PCC for the Dam Top.	7 th day compressive strength	158.57	Kg/Cm ²	140.00 Kg/cm ²	14.88	1)Qty represents - 19.20 Cum. 2)28th day test due on 15/05/2023
			169.89	Kg/Cm ²			
			154.04	Kg/Cm ²			
		Average	160.83	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 18/04/2023. PCC for the Dam Top.	7 th day compressive strength	174.43	Kg/Cm ²	140.00 Kg/cm ²	16.50	1)Qty represents - 19.20 Cum. 2)28th day test due on 16/05/2023
			156.30	Kg/Cm ²			
			158.57	Kg/Cm ²			
		Average	163.10	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 18/04/2023. PCC for the Dam Top.	7 th day compressive strength	172.16	Kg/Cm ²	140.00 Kg/cm ²	13.26	1)Qty represents - 19.20 Cum. 2)28th day test due on 16/05/2023
			154.04	Kg/Cm ²			
			149.51	Kg/Cm ²			
		Average	158.57	Kg/Cm²			
9	Cement concrete cube of mix 1:1.5:3 , cast on 18/04/2023. RCC for Plinth Beams.	7 th day compressive strength	194.81	Kg/Cm ²	175.00 Kg/cm ²	16.50	1)Qty represents - 10.00 Cum. 2)28th day test due on 16/05/2023
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	203.87	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 19/04/2023. PCC for the Dam Top.	7 th day compressive strength	142.71	Kg/Cm ²	140.00 Kg/cm ²	12.18	1)Qty represents - 19.20 Cum. 2)28th day test due on 17/05/2023
			158.57	Kg/Cm ²			
			169.89	Kg/Cm ²			
		Average	157.06	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 19/04/2023. PCC for the Dam Top.	7 th day compressive strength	156.30	Kg/Cm ²	140.00 Kg/cm ²	15.96	1)Qty represents - 9.60 Cum. 2)28th day test due on 17/05/2023
			163.10	Kg/Cm ²			
			167.63	Kg/Cm ²			
		Average	162.34	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer