

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6895,6896,6903,6904,6915,6916/Lab/65/2023 - 24 Dated:- 20/05/2023.
6927,6928,6929,6936,6937.

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. Recived : 11 Sets of cube Date of Receipt:- 20/04/2023. Tested on:- 12,13,15,16 & 17/05/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4 & 1:1.5:3** O.S No : 1180,1181,1196,1197,1212,1213,1214,1221,1222/RK & 835,836/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.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 19.20 Cum.
			217.47	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm ²			
2	Cement concrete cube of mix 1:2:4 , cast on 14/04/2023. PCC for the Dam Top.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	12.90	Qty represents - 19.20 Cum.
			260.51	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	237.10	Kg/Cm ²			
3	Cement concrete cube of mix 1:2:4 , cast on 15/04/2023. PCC for the Dam Top.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 19.20 Cum.
			192.55	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	218.98	Kg/Cm ²			
4	Cement concrete cube of mix 1:2:4 , cast on 15/04/2023. PCC for the Dam Top.	28 th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/cm ²	25.13	Qty represents - 19.20 Cum.
			249.18	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	262.77	Kg/Cm ²			
5	Cement concrete cube of mix 1:2:4 , cast on 17/04/2023. PCC for the Dam Top.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	9.67	Qty represents - 19.20 Cum.
			228.79	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	230.30	Kg/Cm ²			

Assistant Engineer

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.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 19.20 Cum.
			237.85	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
7	Cement concrete cube of mix 1:2:4 , cast on 18/04/2023. PCC for the Dam Top.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 19.20 Cum.
			271.83	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
8	Cement concrete cube of mix 1:2:4 , cast on 18/04/2023. PCC for the Dam Top.	28 th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/cm ²	24.41	Qty represents - 19.20 Cum.
			262.77	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	261.26	Kg/Cm²			
9	Cement concrete cube of mix 1:1.5:3 , cast on 18/04/2023. RCC for Plinth Beams.	28 th day compressive strength	339.79	Kg/Cm ²	265.00 Kg/cm ²	19.39	Qty represents - 10.00 Cum.
			280.89	Kg/Cm ²			
			328.46	Kg/Cm ²			
		Average	316.38	Kg/Cm²			
10	Cement concrete cube of mix 1:2:4 , cast on 19/04/2023. PCC for the Dam Top.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/cm ²	20.09	Qty represents - 19.20 Cum.
			258.24	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	252.20	Kg/Cm²			
11	Cement concrete cube of mix 1:2:4 , cast on 19/04/2023. PCC for the Dam Top.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 9.60 Cum.
			208.40	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

- Copy to: 1. The Assistant Engineer, SDI, WDVl, 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, WDVl, WRD, Bicholim- Goa.
4. QC Lab File. 5. Bill File.

Assistant Engineer