

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6478,6479,6484,6485,6495/Lab/03/2023 - 24 Dated:- 03/04/2023.
6496,6507,6508,6511,6522.

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

Name of work : Construction of Tail Minor Dos, WCs and FC's of B4 Distributory and DWC 19L off-taking at Ch: 18.005 km of RBMC of TIP at Nagzar Village of Pernem Taluka.

Ref. to Requisition No : SDIV/WDVII/WRD/F.197/22-23/139. Dt.:- 13/03/2023

Qty. Recived : 10 Sets of cube Date of Receipt:- 24/03/2023. Tested on:- 24,25,27,28,29,30/03/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1027/RK & 495,496,501,502,513,514,525,526,530/SS Lab. Sample No: 6588 to 6597

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 24/02/2023. PCC for Outlet Tank.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.82	Quantity represented by each set of cubes for the work is not mentioned.
			244.65	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
2	Cement concrete cube of mix 1:2:4 , cast on 24/02/2023. PCC for Outlet Tank.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	8.95	---do---
			237.85	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
3	Cement concrete cube of mix 1:2:4 , cast on 25/02/2023. PCC for Outlet Tank.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	6.07	---do---
			208.40	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
4	Cement concrete cube of mix 1:2:4 , cast on 25/02/2023. PCC for Outlet Tank.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	2.48	---do---
			212.93	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	215.20	Kg/Cm²			
5	Cement concrete cube of mix 1:2:4 , cast on 27/02/2023. PCC for Outlet Tank.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	12.54	---do---
			237.85	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	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 27/02/2023. PCC for Outlet Tank.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	8.23	Quantity represented by each set of cubes for the work is not mentioned.
			233.32	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	227.28			
7	Cement concrete cube of mix 1:2:4 , cast on 28/02/2023. PCC for Outlet Tank.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	4.99	---do---
			222.00	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	220.49			
8	Cement concrete cube of mix 1:2:4 , cast on 28/02/2023. PCC for Outlet Tank.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	7.51	---do---
			217.47	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	225.77			
9	Cement concrete cube of mix 1:2:4 , cast on 01/03/2023. PCC for Chambers.	28 th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/cm ²	10.75	---do---
			228.79	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	232.57			
10	Cement concrete cube of mix 1:2:4 , cast on 02/03/2023. PCC for Pedestals.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	12.90	---do---
			235.59	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	237.10			

Copy to: 1. The Assistant Engineer SD IV, WD VII, WRD, Dhargal Pernem - 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 VII, WRD, Dhargal Pernem - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer