

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9735,9736,9764,9774,9800,9816,9840,9860,9891,9909,9910,9925 & 9943 / Lab / **56** / 2020 - 21 Dated:- 18 / 06 / 2020

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

Name of work :- Construction of DWCs and FCs and DO s of B 7 Distributory of RBMC of T.I.P. In Dhargal village of Pernem Taluka.

Ref to Requisition No.:- WRD/SDIV/WDVII/F.10/2020-21/ **38** Dated :- 28 / 05 / 2020.

Qty. Recived. : 13 Sets of cube Date of Receipt:- 29 / 05 / 2020. Tested on: - 30 /05/2020 To 11 /06/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:3:6** & **1:2:4** O.S No.: 3743,3744,3750,3755,3769,3779,3797,3812,3833,3845,3846,3856 &3866/SS. Lab. Sample No.: 8973 To 8985

Tested By: 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 1:3:6 , cast on 02 / 05 / 2020, PCC for pedestals foundation FC /DWC 1L/DWC 2L/DWC 2R & OT.	28 th day compressive strength	131.39	Kg/Cm ²	100.00 Kg/cm ²	23.08	Qty represents - 15.00 Cum.
			113.26	Kg/Cm ²			
			124.59	Kg/Cm ²			
			Average	123.08			
2	Cement concrete cube of mix 1:2:4 , cast on 02 / 05 / 2020, PCC for Pedestals & Foundation chambers for DWC -2R.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 14.80 Cum.
			231.06	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	222.00			
3	Cement concrete cube of mix 1:2:4 , cast on 04 / 05 / 2020, PCC for Pedestals & Foundation chambers for DWC -2R.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	22.25	Qty represents - 14.00 Cum.
			249.18	Kg/Cm ²			
			276.36	Kg/Cm ²			
			Average	256.73			
4	Cement concrete cube of mix 1:2:4 , cast on 05 / 05 / 2020, PCC for Pedestals & chambers for DWC -2R.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 14.70 Cum.
			217.47	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	218.98			
5	Cement concrete cube of mix 1:2:4 , cast on 06 / 05 / 2020, PCC for Pedestals & Foundation chambers FC/ DWC -2L.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 14.40 Cum.
			222.00	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	222.00			
6	Cement concrete cube of mix 1:2:4 , cast on 07 / 05 / 2020, PCC for Pedestals & chambers for DWC -2L.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 15.00 Cum.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
			Average	221.24			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 08 / 05 / 2020, PCC for Pedestals & foundation chambers DWC -2R/OT.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 14.80 Cum.
			217.47	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	220.49			
8	Cement concrete cube of mix 1:2:4 , cast on 09 / 05 / 2020, PCC for Pedestals & foundation chambers DWC -2R/OT.	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 14.50 Cum.
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	221.24			
9	Cement concrete cube of mix 1:2:4 , cast on 11 / 05 / 2020, PCC for Pedestals & foundation chambers FC/DWC -1L.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 15.00 Cum.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	225.02			
10	Cement concrete cube of mix 1:3:6 , cast on 12 / 05 / 2020, PCC for Pedestals & foundation FC/DWC -1L/DWC 2L/DWC 2R & OT.	28 th day compressive strength	129.12	Kg/Cm ²	100.00 Kg/cm ²	29.12	Qty represents - 14.30 Cum.
			140.45	Kg/Cm ²			
			117.79	Kg/Cm ²			
			Average	129.12			
11	Cement concrete cube of mix 1:2:4 , cast on 12 / 05 / 2020, PCC for Pedestals & foundation chambers FC/DWC -2R & OT.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 14.50 Cum.
			217.47	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	242.38			
12	Cement concrete cube of mix 1:2:4 , cast on 13 / 05 / 2020, PCC for Pedestals & foundation chambers FC/DWC -2R & OT.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.48	Qty represents - 15.00 Cum.
			212.93	Kg/Cm ²			
			206.14	Kg/Cm ²			
			Average	215.20			
13	Cement concrete cube of mix 1:2:4 , cast on 14 / 05 / 2020, PCC for Pedestals & foundation chambers FC/DWC -2R & OT.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 14.59 Cum.
			217.47	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	223.51			

Copy to: 1. The Assistant Engineer , SDIV , 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