

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T -8190,8202,8212,8255,8256,8422,8479,8506 /Lab/**389** / 2019 -20 Dated:- 17 / 01 / 2020

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

Name of Work: - Construction of DWC's and FC's and DO's of B7 distributory of RBMC of TIP in Dhargal village of Pernem Taluka.

Ref. to Requisition No.: - SDIV/WDVII/WRD /F.10/2019-20/ 208 Dated :23-12-2019

Qty. Recived. : 8 Sets of cube Date of Receipt: -24 / 12 / 2019. Tested on: -24/12/2019 To 17/01/2020 as per due dates Ref to CPWD :2009, Vol. I

Sample: P.C.C. 1:3:6 & P.C.C. 1:2:4 Mix O.S No: 1333,1345,1355,1394,1395/AF,3012/SS,1528,1534/AF. Lab. Sample No.: 7313 To 7320.

Tested By: -Mr.Anil R. Fadte,J.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	Plain Cement concrete cubes of mix 1:3:6 cast on 26 / 11 / 2019, for DWC 1 L & DWC 2R.	28th day compressive strength	129.12	Kg/Cm ³	100.00 Kg/Cm ²	23.83	Quantity Represents 8.00 m3.
			122.32	Kg/Cm ³			
			120.06	Kg/Cm ²			
		Average	123.83	Kg/Cm²			
2	Plain Cement concrete cubes of mix 1:2:4 cast on 27 / 11 / 2019, for pedestals and chambers for DWC 1L .	28th day compressive strength	251.44	Kg/Cm ³	210.00 Kg/Cm ²	23.33	Quantity Represents 18.00 m3.
			271.83	Kg/Cm ³			
			253.71	Kg/Cm ²			
		Average	258.99	Kg/Cm²			
3	Plain Cement concrete cubes of mix 1:2:4 cast on 28 / 11 / 2019, for pedestals and chambers for DWC 2 R.	28th day compressive strength	274.10	Kg/Cm ³	210.00 Kg/Cm ²	25.13	Quantity Represents 15.00 m3.
			258.24	Kg/Cm ³			
			255.97	Kg/Cm ²			
		Average	262.77	Kg/Cm²			
4	Plain Cement concrete cubes of mix 1:2:4 cast on 02 / 12 / 2019, for pedestals and chambers for DWC 1L.	28th day compressive strength	244.65	Kg/Cm ³	210.00 Kg/Cm ²	21.89	Quantity Represents 25.00 m3 for two sets of cubes cast on 02/12/2019.
			262.77	Kg/Cm ³			
			260.51	Kg/Cm ²			
		Average	255.97	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
5	Plain Cement concrete cubes of mix 1:2:4 cast on 02 / 12 / 2019, for pedestals and chambers for DWC 1L.	28th day compressive strength	219.73	Kg/Cm ³	210.00 Kg/Cm ²	8.59	Quantity Represents 25.00 m3 for two sets of cubes cast on 02/12/2019.
			235.59	Kg/Cm ³			
			228.79	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
6	Plain Cement concrete cubes of mix 1:2:4 cast on 14 / 12 / 2019, for pedestals and chambers for DWC 2R.	28th day compressive strength	208.40	Kg/Cm ³	210.00 Kg/Cm ²	10.03	Quantity Represents 15.00 m3.
			235.59	Kg/Cm ³			
			249.18	Kg/Cm ²			
		Average	231.06	Kg/Cm²			
7	Plain Cement concrete cubes of mix 1:2:4 cast on 17 / 12 / 2019, for pedestals and chambers for DWC 1L.	28th day compressive strength	224.26	Kg/Cm ³	210.00 Kg/Cm ²	2.12	Quantity Represents 18.00 m3.
			210.67	Kg/Cm ³			
			208.40	Kg/Cm ²			
		Average	214.44	Kg/Cm²			
8	Plain Cement concrete cubes of mix 1:2:4 cast on 20 / 12 / 2019, for pedestals and chambers for DWC 2R.	28th day compressive strength	226.53	Kg/Cm ³	210.00 Kg/Cm ²	6.07	Quantity Represents 15.00 m3.
			217.47	Kg/Cm ³			
			224.26	Kg/Cm ²			
		Average	222.75	Kg/Cm²			

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 ,WDVII,WRD , Dhargal - Pernem- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer