

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

Test Report No.: WRD/QC/F.6-2/Cube -T -8890,8902,8920,8944,8965,8973,8987,9005,9006 /Lab/**471** / 2019 -20 Dated:- 06 / 03 / 2020

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

Name of Work: - Construction of D.W.C's and F.C.'s and DO's of B-7 distributory of RBMC of TIP in Dhargal village of Pernem Taluka.

Ref to requisition No: SDIV/WDVII/WRD/F. 10/2019-20/240 Dated: 06/02/2020.

Qty. Recived. : 09 Sets of cube Date of Receipt: -06 /02/ 2020. Tested on: -24/02/2020 To 04/03/2020 as per due dates Ref to CPWD :2009, Vol. I

Sample: P.C.C. 1:2:4 & 1:3:6 Mix O.S No: 1762,1773,1796,1813,1819/AF,3322,3333,3347,3348/SS. Lab. Sample No.: 7892 To 7900.

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 permissible	% above or below	REMARK
1	Plain Cement concrete cubes of mix 1:3:6 cast on 27 / 01 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	113.26	Kg/Cm ³	100.00 Kg/Cm ²	9.49	Quantity Represents 15.00 m3.
			108.73	Kg/Cm ³			
			106.47	Kg/Cm ²			
		Average	109.49	Kg/Cm²			
2	Plain Cement concrete cubes of mix 1:2:4 cast on 28 / 01 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/Cm ²	10.39	Quantity Represents 15.00 m3.
			249.18	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
3	Plain Cement concrete cubes of mix 1:2:4 cast on 29 / 01 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/Cm ²	4.99	Quantity Represents 15.00 m3.
			222.00	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
4	Plain Cement concrete cubes of mix 1:2:4 cast on 31 / 01 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	271.83	Kg/Cm ³	210.00 Kg/Cm ²	17.22	Quantity Represents 15.00 m3.
			224.26	Kg/Cm ³			
			242.38	Kg/Cm ²			
		Average	246.16	Kg/Cm²			
5	Plain Cement concrete cubes of mix 1:3:6 cast on 01 / 02 / 2020,for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/Cm ²	18.55	Quantity Represents 15.00 m3.
			120.06	Kg/Cm ²			
			113.26	Kg/Cm ²			
		Average	118.55	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	Plain Cement concrete cubes of mix 1:2:4 cast on 03/02/ 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1 ,FC2 & FC3.	28 th day compressive strength	217.47	Kg/Cm ³	210.00 Kg/Cm ²	8.23	Quantity Represents 15.00 m3.
			237.85	Kg/Cm ³			
			226.53	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
7	Plain Cement concrete cubes of mix 1:2:4 cast on 04 /02 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/Cm ²	18.30	Quantity Represents 15.00 m3.
			260.51	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	248.42	Kg/Cm²			
8	Plain Cement concrete cubes of mix 1:2:4 cast on 05/ 02 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	253.71	Kg/Cm ³	210.00 Kg/Cm ²	20.45	Quantity Represents 30.00 m3 for two sets of cubes caste on 05/02/2020.
			246.91	Kg/Cm ³			
			258.24	Kg/Cm ²			
		Average	252.95	Kg/Cm²			
9	Plain Cement concrete cubes of mix 1:2:4 cast on 05/ 02 / 2020, for pedestals, foundation and plinth for chambers for DWC-1L /OTL FC1, FC2 & FC3.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/Cm ²	11.47	... Do
			226.53	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	234.08	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