

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

Test Report No:WRD/QC/F.6-2/Cube-T-7961,7962,7968,7969,8041,8042,8107,8108,8196,8197 /Lab/**351** /2019-20 dt.:26 /12/2019

Laboratory : Bicholim -Goa

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

Name of Work: - Supplying Raw water to Mopa airport by pumping water from ch. 17.300 kms of R.B.M.C. of TIP at Nagzer village in Pernem Taluka.

Ref. to Requisition No.: - SDIV/WDVII/WRD /F.132/2019-20/ 164

Dated :27-11-2019

Ref to CPWD :2002, Vol. I

Qty. Recived. :10 Sets of cube Date of Receipt: - 30 / 11 / 2019. Tested on: -02/12/2019 To 25/12/2019 as per due dates

Sample: RCC 1:1.5:3 Mix O.S No: 1184,1185,1190,1191/AF,2842,2843/SS,1263,1264,1339,1340/AF. Lab. Sample No.: 7087 To 7096.

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	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 04 / 11 / 2019, for raft of sump of pump house.	28th day compressive strength	271.83	Kg/Cm ³	265.00 Kg/Cm ²	3.43	Quantity Represents 25.00 m3 for two sets of concrete cubes cast on 04/11/2019.
			267.30	Kg/Cm ³			
			283.16	Kg/Cm ²			
			Average	274.10			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 04 / 11 / 2019, for raft of sump of pump house.	28 th day compressive strength	299.01	Kg/Cm ²	265.00 Kg/Cm ²	4.29	Quantity Represents 25.00 m3 for two sets of concrete cubes cast on 04/11/2019.
			258.24	Kg/Cm ²			
			271.83	Kg/Cm ²			
			Average	276.36			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 07 / 11 / 2019, for third lift of RCC wall of pump house.	28th day compressive strength	299.01	Kg/Cm ³	265.00 Kg/Cm ²	4.86	Quantity Represents 27.00 m3 for two sets of concrete cubes cast on 07/11/2019.
			262.77	Kg/Cm ³			
			271.83	Kg/Cm ²			
			Average	277.87			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 07 / 11 / 2019, for third lift of RCC wall of pump house.	28 th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/Cm ²	0.87	Quantity Represents 27.00 m3 for two sets of concrete cubes cast on 07/11/2019.
			278.63	Kg/Cm ²			
			255.97	Kg/Cm ²			
			Average	267.30			
5	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 15 / 11 / 2019, for first lift of sump wall.	28 th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/Cm ²	3.43	Quantity Represents 21.00 m3 for two sets of concrete cubes cast on 15/11/2019.
			278.63	Kg/Cm ²			
			276.36	Kg/Cm ²			
			Average	274.10			

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	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 15 / 11 / 2019, for first lift of sump wall.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/Cm ²	3.72	Quantity Represents 21.00 m3 for two sets of concrete cubes cast on 15/11/2019.
			271.83	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	274.85	Kg/Cm²			
7	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20 / 11 / 2019, for second lift of sump wall.	28th day compressive strength	267.30	Kg/Cm ³	265.00 Kg/Cm ²	0.58	Quantity Represents 23.00 m3 for two sets of concrete cubes cast on 20/11/2019.
			260.51	Kg/Cm ³			
			271.83	Kg/Cm ²			
		Average	266.55	Kg/Cm²			
8	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20 / 11 / 2019, for second lift of sump wall.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/Cm ²	2.86	Quantity Represents 23.00 m3 for two sets of concrete cubes cast on 20/11/2019.
			283.16	Kg/Cm ²			
			269.57	Kg/Cm ²			
		Average	272.59	Kg/Cm²			
9	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 27 / 11 / 2019, for third lift of sump wall.	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/Cm ²	3.72	Quantity Represents 19.00 m3 for two sets of concrete cubes cast on 27/11/2019.
			269.57	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	274.85	Kg/Cm²			
10	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 27 / 11 / 2019, for third lift of sump wall.	28 th day compressive strength	274.10	Kg/Cm ²	265.00 Kg/Cm ²	5.71	Quantity Represents 19.00 m3 for two sets of concrete cubes cast on 27/11/2019.
			269.57	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	280.14	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