

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 187,189,192,193,198,199,203,206,207 & 208 / Lab / **107** / 2020 - 21 Dated:- 24/ 08 / 2020.

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 km of R.B.M.C. of T.I.P.at Nagzer village in Pernem Taluka.

Ref. to Requisition No.: SD II/ WD VII /WRD / F.132 /2020-21/ 59 Dated :- 03/ 08 / 2020.

Qty. Recived. : 10 Sets of cube Date of Receipt:- 04/ 08 / 2020. Tested on: - 04/08/2020 To 19/08/2020, as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No. : 4083,4085,4088,4089,4094,4095,4099,4106,4107,4108/SS. Lab. Sample No.: 9336 To 9345

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 : 2 : 4 , cast on 07/07/2020. PCC for anchor block and thrust block ch. 2.700 to 2.900km	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	21.17	Qty represents - 12.00 Cum.
			249.18	Kg/Cm ²			
			253.71	Kg/Cm ²			
			Average	254.46			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/07/2020. PCC for anchor block ch. 2.310 to 2.710 km	28 th day compressive strength	201.61	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 14.00 Cum.
			226.53	Kg/Cm ²			
			242.38	Kg/Cm ²			
			Average	223.51			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/07/2020. PCC for raft near building.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 12.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	228.79			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/07/2020. PCC for raft near building.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	13.62 Do
			231.06	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	238.61			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/07/2020. PCC for anchor block ch. 2.900 to 2.990 km	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	24.77	Qty represents - 15.00 Cum.
			260.51	Kg/Cm ²			
			271.83	Kg/Cm ²			
			Average	262.02			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 11/07/2020. PCC for thrust block ch. 3.08	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	19.02 Do
			249.18	Kg/Cm ²			
			253.71	Kg/Cm ²			
			Average	249.93			

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 14/07/2020. PCC for anchor block and thrust block ch. 10 to 80 m	28 th day compressive strength	242.38	Kg/Cm ²	210.00 Kg/cm ²	15.42	Qty represents - 10.00 Cum.
			235.59	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/07/2020. Floor PCC for pump house.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	11.11	Qty represents - 15.00 Cum for two sets of cubes.
			224.26	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/07/2020. Floor PCC for pump house.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	19.74 Do
			271.83	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	251.44	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/07/2020. PCC for Anchor Block.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 08.00 Cum.
			260.51	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	243.89	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD II , 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, Dharagal - Pernem - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer