

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8418,8419,8450,8451,8476,8726,8727 & 8728 / Lab / **425** / 2019 - 20 Dated:- 05/02 / 2020

Laboratory : 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 RBMC of TIP at Nagzer village in Pernem Taluka.

Ref to Requisition No.:- SDIV/WDVII/WRD/F.132/2019-20/137 dated :- 09 / 01 / 2020.

Qty. Recived. : 08 Sets of cube Date of Receipt:- 09/01 / 2020. Tested on: - 10 /01/2020 to 05/02/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 1.5 :3 O.S No. : 3004,3005/SS,1508,1509/AF,3039,3178,3179 & 3180 /SS. Lab. Sample No.: 7602 To 7609

Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mr. Anil R. Fadte, J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 13/12/2019, for 1 st floor slab.	28 th day compressive strength	258.24	Kg/Cm ²	265.00 Kg/cm ²	2.29	Qty represents - 18.00 Cum for two sets of cubes.
			265.04	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	271.08	Kg/Cm²			
2	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 13/12/2019, for 1 st floor slab.	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	3.15	... Do
			262.77	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	273.34	Kg/Cm²			
3	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 15/12/2019, for Columns C1,C2,C4,C5,C7,C8,C10,C11,C13,C14,C16 & C17.	28 th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	4.86	Qty represents - 8.00 Cum.
			280.89	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	277.87	Kg/Cm²			
4	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 15/12/2019, for Columns C3,C6,C7,C12,C15,C18 and Stair case (First Floor)	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	4.29	Qty represents - 15.00 Cum.
			278.63	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	276.36	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	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 16/12/2019, for Beam between C3,C6,C9,C12,C15,C18 (First Floor)	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	3.43	Qty represents - 5.00 Cum.
			260.51	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	274.10	Kg/Cm²			
6	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 08/01/2020, for top roof sloping slab.	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	5.43	Qty represents - 38.50 Cum for three sets of cubes.
			283.16	Kg/Cm ²			
			278.63	Kg/Cm ²			
		Average	279.38	Kg/Cm²			
7	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 08/01/2020, for top roof sloping slab.	28 th day compressive strength	285.42	Kg/Cm ²	265.00 Kg/cm ²	7.14	... Do
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	283.91	Kg/Cm²			
8	Reinforced Cement concrete cube of mix 1:1.5:3, cast on 08/01/2020, for top roof sloping slab.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	5.14	... Do
			271.83	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	278.63	Kg/Cm²			

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