

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 204,205,209,210 TO 214 / Lab / **108** / 2020 - 2021 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/ 58 Dated :- 03/ 08 / 2020.

Qty. Recived. : 08 Sets of cube Date of Receipt:- 04/ 08 / 2020. Tested on: - 12/08/2020 To 22/08/2020, as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 1.5 : 3 O.S No. : 4103,4104,4109,4110,4111,4112,4113,4114 /SS. Lab. Sample No.: 9346 To 9353

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 : 1.5 : 3 , cast on 15/07/2020. RCC for anchor block ch. 2.900 to 2.990km	28 th day compressive strength	308.08	Kg/Cm ²	265.00 Kg/cm ²	11.41	Qty represents - 25.00 Cum for two sets of cubes.
			294.48	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	295.24			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 15/07/2020. RCC for anchor block ch. 2.900 to 2.990km	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	12.55 Do
			310.34	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	298.26			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 22/07/2020. RCC for Lintel front suction wall	28 th day compressive strength	319.40	Kg/Cm ²	265.00 Kg/cm ²	15.97	Qty represents - 08.00 Cum.
			308.08	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	307.32			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 22/07/2020. RCC for thrust block ch. 3.08 km	28 th day compressive strength	312.61	Kg/Cm ²	265.00 Kg/cm ²	16.25	Qty represents - 15.00 Cum.
			287.69	Kg/Cm ²			
			323.93	Kg/Cm ²			
			Average	308.08			
5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 25/07/2020. RCC for raft of retaining wall.	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	14.83	Qty represents - 48.00 Cum for Four sets of cubes.
			289.95	Kg/Cm ²			
			305.81	Kg/Cm ²			
			Average	304.30			
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 25/07/2020. RCC for raft of retaining wall.	28 th day compressive strength	249.18	Kg/Cm ²	265.00 Kg/cm ²	5.71 Do
			308.08	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	280.14			

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 : 1.5 : 3 , cast on 25/07/2020. RCC for raft of retaining wall.	28 th day	285.42	Kg/Cm ²	265.00 Kg/cm ²	6.85	Qty represents - 48.00 Cum for Four sets of cubes.
		compressive strength	246.91	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	283.16	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 25/07/2020. RCC for raft of retaining wall.	28 th day	321.67	Kg/Cm ²	265.00 Kg/cm ²	19.39 Do
		compressive strength	310.34	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	316.38	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