

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 184,185,186,188,190,191,194,195,196,197,200,201 & 202 / Lab / **105** / 2020 - 21 Dated:- 19/ 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/ 57 Dated :- 03/ 08 / 2020.

Qty. Recived. : 13 Sets of cube Date of Receipt:- 04/ 08 / 2020. Tested on: - 04/08/2020 To 11/08/2020, as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 1.5 : 3 O.S No. : 4080,4081,4082,4084,4086,4087,4090,4091,4092,4093,4096,4097,4098/SS. Lab. Sample No.: 9323 To 9335

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 07/07/2020. RCC for anchor block.	28 th day compressive strength	308.08	Kg/Cm ²	265.00 Kg/cm ²	7.71	Qty represents - 30.00 Cum for three sets of cubes.
			271.83	Kg/Cm ²			
			276.36	Kg/Cm ²			
			Average	285.42			
2	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 07/07/2020. RCC for anchor block.	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	18.53 Do
			303.55	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	314.12			
3	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 07/07/2020. RCC for anchor block.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	6.85 Do
			271.83	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	283.16			
4	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 08/07/2020. RCC for anchor block.	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	4.57	Qty represents - 10.00 Cum.
			294.48	Kg/Cm ²			
			249.18	Kg/Cm ²			
			Average	277.12			
5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/07/2020. RCC for anchor block.	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	5.14	Qty represents - 24.00 Cum for two sets of cubes.
			271.83	Kg/Cm ²			
			283.16	Kg/Cm ²			
			Average	278.63			
6	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/07/2020. RCC for anchor block.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	3.72 Do
			253.71	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	274.85			

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 10/07/2020. RCC for thrust block.	28 th day	317.14	Kg/Cm ²	265.00 Kg/cm ²	14.26	Qty represents - 20.00 Cum for two sets of cubes.
		compressive strength	308.08	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	302.79	Kg/Cm²			
8	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 10/07/2020. RCC for thrust block.	28 th day	280.89	Kg/Cm ²	265.00 Kg/cm ²	7.99 Do
		compressive strength	271.83	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
9	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 11/07/2020. RCC for anchor Block from Ch. 2310 To 2510 m.	28 th day	276.36	Kg/Cm ²	265.00 Kg/cm ²	9.42	Qty represents - 28.00 Cum for two sets of cubes.
		compressive strength	310.34	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	289.95	Kg/Cm²			
10	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 11/07/2020. RCC for anchor Block from Ch. 2310 To 2510 m.	28 th day	308.08	Kg/Cm ²	265.00 Kg/cm ²	16.82 Do
		compressive strength	317.14	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	309.59	Kg/Cm²			
11	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 12/07/2020. RCC for anchor Block from Ch. 2510 To 2710 m.	28 th day	285.42	Kg/Cm ²	265.00 Kg/cm ²	13.98	Qty represents - 29.00 Cum for two sets of cubes.
		compressive strength	303.55	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
12	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 12/07/2020. RCC for anchor Block from Ch. 2510 To 2710 m.	28 th day	305.81	Kg/Cm ²	265.00 Kg/cm ²	11.13 Do
		compressive strength	283.16	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
13	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 14/07/2020. RCC for thrust Block from Ch. 2700 To 2900 m.	28 th day	285.42	Kg/Cm ²	265.00 Kg/cm ²	11.70	Qty represents - 42.00 Cum.
		compressive strength	305.81	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	295.99	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