

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8335,8336,8354,8355,8373,8374,8386,8387,8402 8303 / Lab/ **380** /2019 - 20 Dt 13 / 01 / 2020
Laboratory : Bicholim - Goa. Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work: Improvement to the canal lining by providing R.C.C. lining from Ch. 6.400 Kms To Ch. 6.950 Kms R.B.M.C. of T.I.P. at Hali and Chandel in Pernem Taluka.

Ref to requisition No.:- SD I / WDVII / WRD / F.357 /2019-20/ **262** Dated :- 16 / 12 / 2019.

Qty. Received. : 10 Sets of cube Date of Receipt:-16/12/2019. Tested on: -06/01/2020 To 10 /01 /2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3 O.S No. : 1462,1463,1476,1477/AF, 2962,2963,2977,2978 /SS, 1489,1490/AF. Lab. Sample No.: 7225 To 7234.

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 09 /12/2019 for Canal Lining.	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	10.84	1) Qty represents - 40.00 Cum for two sets . 2)Exact location of work done is not specified.
			292.22	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
2	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 09 /12/2019 for Canal Lining.	28 th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/cm ²	9.13	... Do
			283.16	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	289.20	Kg/Cm²			
3	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 10 /12/2019 for Canal Lining.	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	3.72	1)Qty represents -40.00 Cum for two sets .2)Exact location of work done is not specified.
			276.36	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	274.85	Kg/Cm²			
4	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 10 /12/2019 for Canal Lining.	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	10.84	... Do
			294.48	Kg/Cm ²			
			323.93	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
5	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 11 /12/2019 for Canal Lining.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	5.71	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified.
			267.30	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	280.14	Kg/Cm²			
6	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 11 /12/2019. RCC for Canal Lining.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	14.26	... Do
			321.67	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	302.79	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
7	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 12 /12/2019 for Canal Lining.	28 th day compressive strength	274.10	Kg/Cm ²	265.00 Kg/cm ²	6.00	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified.
			262.77	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	280.89	Kg/Cm²			
8	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 12 /12/2019 for Canal Lining.	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	7.42	... Do
			269.57	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
9	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 13 /12/2019 for Canal Lining.	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	6.00	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified.
			265.04	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	280.89	Kg/Cm²			
10	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 13 /12/2019 for Canal Lining.	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	14.83	... Do
			317.14	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	304.30	Kg/Cm²			

1. Copy to The Assistant Engineer ,Sub Division -I, W.D. - 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 ,Works Division - VII ,WRD, Dhargal - Pernem - Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer