

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8075,8076,8090,8091,8109,8110,8124,8125,8139,8140 / Lab/ **343**/2019 - 20 Dt 20 / 12/ 2019

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: -17/12/2019 To 20 /12 /2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1:1.5:3 O.S No. : 1235,1236,1249,1250,1265,1266,/AF, 2878, 2879 /SS, 1282,1283/AF. Lab. Sample No.: 7225 To 7234.

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

REPORT PAGE 01 OF 02

SR.N O.	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.	7 th day	192.55	Kg/Cm ²	175.00 Kg/cm ²	18.23	1) Qty represents - 40.00 Cum for two sets . 2)Exact location of work done is not specified. 3) 28 th day test is due on 06 01/2020 ,which may please be witnessed .
		compressive	210.67	Kg/Cm ²			
		strength	217.47	Kg/Cm ²			
		Average	206.89	Kg/Cm²			
2	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 09 /12/2019 for Canal Lining.	7 th day	212.93	Kg/Cm ²	175.00 Kg/cm ²	19.09	... Do
		compressive	201.61	Kg/Cm ²			
		strength	210.67	Kg/Cm ²			
		Average	208.40	Kg/Cm²			
3	Reinforced Cement concrete cubes of mix : 1.5 : 3 , cast on 10 /12/2019 for Canal Lining. 1	7 th day	181.22	Kg/Cm ²	175.00 Kg/cm ²	16.93	1)Qty represents -40.00 Cum for two sets .2)Exact location of work done is not specified.3)28 th day test is due on 07 / 01/2020 ,which may please be witnessed .
		compressive	219.73	Kg/Cm ²			
		strength	212.93	Kg/Cm ²			
		Average	204.63	Kg/Cm²			
4	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 10 /12/2019 for Canal Lining.	7 th day	181.22	Kg/Cm ²	175.00 Kg/cm ²	17.36	... Do
		compressive	224.26	Kg/Cm ²			
		strength	210.67	Kg/Cm ²			
		Average	205.38	Kg/Cm²			
5	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 11 /12/2019 for Canal Lining.	7 th day	215.20	Kg/Cm ²	175.00 Kg/cm ²	26.85	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified. 3)28 th day test is due on 08/ 01/2020 ,which may please be witnessed .
		compressive	226.53	Kg/Cm ²			
		strength	224.26	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
6	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 11 /12/2019. RCC for Canal Lining.	7 th day	224.26	Kg/Cm ²	175.00 Kg/cm ²	27.29	... Do
		compressive	217.47	Kg/Cm ²			
		strength	226.53	Kg/Cm ²			
		Average	222.75	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 01 OF 02

SR.N	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value	% above	REMARK
7	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 12 /12/2019 for Canal Lining.	7 th day compressive strength	215.20	Kg/Cm ²	175.00 Kg/cm ²	15.64	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified. 3) 28 th day test is due on 09/ 01 / 2020 , which may please be witnessed .
			174.43	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	202.36	Kg/Cm²			
8	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 12 /12/2019 for Canal Lining.	7 th day compressive strength	206.14	Kg/Cm ²	175.00 Kg/cm ²	12.62	... Do
			203.87	Kg/Cm ²			
			181.22	Kg/Cm ²			
		Average	197.08	Kg/Cm²			
9	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 13 /12/2019 for Canal Lining.	7 th day compressive strength	226.53	Kg/Cm ²	175.00 Kg/cm ²	27.29	1) Qty represents - 40.00 Cum for two sets . 2) Exact location of work done is not specified. 3) 28 th day test is due on 10/ 01 / 2020 , which may please be witnessed .
			224.26	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
10	Reinforced Cement concrete cubes of mix 1 : 1.5 : 3 , cast on 13 /12/2019 for Canal Lining.	7 th day compressive strength	181.22	Kg/Cm ²	175.00 Kg/cm ²	7.87	... Do
			188.02	Kg/Cm ²			
			197.08	Kg/Cm ²			
		Average	188.77	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