

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T -8503,8508,8509,8518,8519,8531 /Lab/ **393** /2019-20

Dated:-20/01/2020

Laboratory : Bicholim -Goa

Sub Division V (QC)/WRD/ Bicholim -Goa.

Name of Work: -Improvement to the RBMC of TIP from ch 6.020 kms to 12.400 km including RCC lining for the bottom critical portion between Ch 9.550 km to 9.60 Km. and 10.050 to 10.465 km at village Chandel,Casar-varnem in Pernem Taluka.

Ref. to Requisition No.: - No. SDI/WDVII/WRD/F.350/19-20/290 Dated : - 26 / 12 / 2019

Qty. Recived. : 06 Sets of cubes Date of Receipt: -26 /12 / 2019. Tested on: -16/01/19 To 20/01/2020 Ref to CPWD :2009, Vol. I

Sample: RCC 1:1.5: 3 Mix O.S No: 1533,1536,1537,1541,1542,1545/AF Lab. Sample No: 7385 &7390.

Tested By: -Mr.Anil R. Fadte,J.E.

REPORT PAGE 01 OF 01

SR. NO.	DISCRIPTION OF SAMPLE		RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 19/12/2019, for canal lining from ch.10.300 To Ch.10.333 .	28th day compressive strength	305.81	Kg/Cm ³	265.00 Kg/Cm ²	21.38	Quantity Represents 15.00 m3.
			335.26	Kg/Cm ³			
			323.93	Kg/Cm ²			
		Average	321.67	Kg/Cm²			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20/12/2019, for canal lining from ch.10.333 To Ch.10.399 .	28 th day compressive strength	339.79	Kg/Cm ²	265.00 Kg/Cm ²	28.22	Quantity Represents 30.00 m3 for two sets of cubes caste on 20/12/2019
			344.32	Kg/Cm ²			
			335.26	Kg/Cm ²			
		Average	339.79	Kg/Cm²			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 20/12/2019, for canal lining from ch.10.333 To Ch.10.399 .	28th day compressive strength	337.52	Kg/Cm ³	265.00 Kg/Cm ²	20.53	... Do
			344.32	Kg/Cm ³			
			276.36	Kg/Cm ²			
		Average	319.40	Kg/Cm²			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 21/12/2019, for canal lining from ch.10.399 To Ch.10.432 . (RITES)	28th day compressive strength	269.57	Kg/Cm ³	265.00 Kg/Cm ²	2.86	Quantity Represents 15.00 m3 for two sets of cubes caste on 21/12/2019
			283.16	Kg/Cm ³			
			265.04	Kg/Cm ²			
		Average	272.59	Kg/Cm²			
5	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 21/12/2019, for canal lining from ch.10.399 To Ch.10.432 .	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	5.43	... Do
			289.95	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	279.38	Kg/Cm²			
6	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 23/12/2019, for canal lining from ch.10.432 To Ch.10.465 .	28th day compressive strength	274.10	Kg/Cm ³	265.00 Kg/Cm ²	4.00	Quantity Represents 15.00 m3.
			285.42	Kg/Cm ³			
			267.30	Kg/Cm ²			
		Average	275.61	Kg/Cm²			

Copy to: 1. The Assistant Engineer SD I , 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 ,WDVII,WRD , Dhargal - Pernem- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer