

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T-8198,8199, 8200,8205, 8206,8220,8221,8222/Lab/ **356** / 2019-20
Laboratory : Bicholim - Goa.

Dated: - 28 / 12 / 2019

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

Name of work : Providing RCC Lining for B2 Distributory from ch. 0.000km to 2.150 km of RBMC of TIP in V.P. Allorna in Pernem Taluka.

Ref No.:- SD IV/WD VII/ WRD / F.10/2019-20/190 dated :-29 / 11 / 2019.

Qty. Recived. : 08 Sets of cubes Date of Receipt:06/ 12 / 2019. Tested on: -25 /12/2019 To 27/12/2019 as per due dates Ref to CPWD :2009 -Vol. I

Sample: Cube Mix 1 : 1.5 : 3 & 1:3:6 O.S No. :1341 To 1343,1348,1349,1361,1362,1363/AF

Lab. Sample No.: 7117 To 7124

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

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SR. NO.	DISCRIPTION OF SAMPLE		RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1:3:6, cast on 27/11/2019,for canal bed from ch.1200.00 to 1272.00m.(C48)	28 th day compressive strength	129.12	Kg/Cm ²	100 kg/cm ²	28.36	Quantity Represents 19.60 m ³ .
			126.85	Kg/Cm ²			
			129.12	Kg/Cm ²			
		Average	128.36	Kg/Cm²			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 27/ 11 / 2019, for RCC canal lining from Ch.1056.00 to1092.00(C49) .	28 th day compressive strength	344.32	Kg/Cm ²	265.00 Kg/Cm ²	28.51	-Do-
			337.52	Kg/Cm ²			
			339.79	Kg/Cm ²			
		Average	340.54	Kg/Cm²			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 27/ 11 / 2019, for RCC canal lining from Ch.1092.00 to1128.00(C50) .	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/Cm ²	16.25	-Do-
			317.14	Kg/Cm ²			
			344.32	Kg/Cm ²			
		Average	308.08	Kg/Cm²			
4	Plain Cement concrete cube of mix 1:3:6, cast on 28/11/2019,for canal bed from ch.1272.00 to 1344.00m.(C51)	28 th day compressive strength	129.12	Kg/Cm ²	100 kg/cm ²	26.85	-Do-
			126.85	Kg/Cm ²			
			124.59	Kg/Cm ²			
		Average	126.85	Kg/Cm²			
5	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 28/ 11 / 2019, for RCC canal lining from Ch.1128.00 to 1164.00(C52) .	28th day compressive strength	280.89	Kg/Cm ³	265.00 Kg/Cm ²	4.00	-Do-
			274.10	Kg/Cm ³			
			271.83	Kg/Cm ²			
		Average	275.61	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
6	Plain Cement concrete cube of mix 1:3:6, cast on 29/11/2019,for canal bed from ch.1344.00 to 1416.00m.(C54)	28 th day compressive strength	120.06	Kg/Cm2	100 kg/cm2	23.08	Quantity Represents 19.60 m3.
			122.32	Kg/Cm2			
			126.85	Kg/Cm2			
		Average	123.08	Kg/Cm2			
7	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 29/ 11 / 2019, for RCC canal lining from Ch.1200.00 to 1236.00(C55) .	28 th day compressive strength	342.05	Kg/Cm2	265.00 Kg/Cm ²	28.79	-Do-
			337.52	Kg/Cm2			
			344.32	Kg/Cm2			
		Average	341.30	Kg/Cm2			
8	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 29/ 11 / 2019, for RCC canal lining from Ch.1236.00 to 1272.00(C56) .	28 th day compressive strength	344.32	Kg/Cm2	265.00 Kg/Cm ²	28.22	-Do-
			332.99	Kg/Cm2			
			342.05	Kg/Cm2			
		Average	339.79	Kg/Cm2			

Copy to: 1. The Assistant Engineer SD IV , 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