

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

Test Report No.: WRD/QC/F.6-2/Cube -T -7959,7960,7963,7964 /Lab/ **320** /2019-20 Dated:-04/12/2019
Laboratory : Bicholim -Goa

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

Name of Work :Improvement to the RBMC of TIP by Providing 100 mm thick RCC lining from ch 0.00 kms to 6.020 km excluding Hassapur aquaduct and Kalna aquaduct between Ch 4.165 km to 4.227 and 4.772 to 5.117 km at village Ankane-Hassapur and Hali in Pernem Taluka.

Ref. to Requisition No.: - SDI/WDVII/WRD /F.353/2019-20/ 202 Dated :06-11-2019

Qty. Recived. : 04 Sets of cube Date of Receipt: -07 /11 / 2019. Tested on: -29/11/2019 To 04/12/2019 as per due dates Ref to CPWD :2002, Vol. I

Sample: PCC 1:3:6 & RCC 1:1.5: 3 Mix O.S No. : 1175,1183,1186,1187/AF. Lab. Sample No:6868 To 6871.

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 cubes of mix 1:3:6 cast on 01/ 11 / 2019, for lining base from ch. 0.00 to Ch.500m(P1) .	28th day compressive strength	113.26	Kg/Cm ³	100.00 Kg/Cm ²	14.77	Quantity Represents 20.00 m3.
			99.67	Kg/Cm ³			
			131.39	Kg/Cm ²			
			Average	114.77			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 04/ 11 / 2019, for lining from ch. 50.00 to Ch.80.00(P2) .	28 th day compressive strength	258.24	Kg/Cm ²	265.00 Kg/Cm ²	3.15	-do-
			276.36	Kg/Cm ²			
			285.42	Kg/Cm ²			
			Average	273.34			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 05 / 11 / 2019, for lining from ch. 80.00 to Ch.110.00 (P3).	28th day compressive strength	262.77	Kg/Cm ³	265.00 Kg/Cm ²	2.86	-do-
			271.83	Kg/Cm ³			
			283.16	Kg/Cm ²			
			Average	272.59			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 06/ 11 / 2019, for lining from ch. 110.00 to Ch.1400.00(P4) .	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	1.15	-do-
			258.24	Kg/Cm ²			
			265.04	Kg/Cm ²			
			Average	268.06			

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