

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

Test Report No.: WRD/QC/F.6-2/Cube -T -7945,7946,7948,7950 /Lab/ **298** /2019-20 Dated:-13/11/2019

Laboratory : Bicholim -Goa

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

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: -08/11/2019 To 13/11/2019 as per due dates Ref to CPWD :2002, Vol. I

Sample: PCC 1:3:6 & RCC 1:1.5: 3 Mix O.S No. : 1144 To 1147/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) .	07th day compressive strength	79.28	Kg/Cm ³	70.00 Kg/Cm ²	5.71	1.Quantity Represents 20.00 m3. 2.The due date for 28th day test is 29/11/2019 which may please be witnessed.
			70.22	Kg/Cm ³			
			72.49	Kg/Cm ²			
		Average	74.00	Kg/Cm²			
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) .	07th day compressive strength	160.83	Kg/Cm ²	175.00 Kg/Cm ²	-6.80	1.Quantity Represents 20.00 m3. 2.The due date for 28th day test is 02/12/2019 which may please be witnessed.
			163.10	Kg/Cm ²			
			165.36	Kg/Cm ²			
		Average	163.10	Kg/Cm²			
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).	07th day compressive strength	167.63	Kg/Cm ³	175.00 Kg/Cm ²	-6.37	1.Quantity Represents 20.00 m3. 2.The due date for 28th day test is 03/12/2019 which may please be witnessed.
			158.57	Kg/Cm ³			
			165.36	Kg/Cm ²			
		Average	163.85	Kg/Cm²			
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) .	07th day compressive strength	181.22	Kg/Cm ²	175.00 Kg/Cm ²	1.40	1.Quantity Represents 20.00 m3. 2.The due date for 28th day test is 04/12/2019 which may please be witnessed.
			174.43	Kg/Cm ²			
			176.69	Kg/Cm ²			
		Average	177.45	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