

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 695 to 700,710,711,712,716 to 718,/ Lab /**230** / 2020 - 21 Dated:- 09/02 / 2021. Laboratory : Bicholim - Goa.
725 to 727 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Improvement to the R.B.M.C. of T.I.P by providing 100mm thick RCC Lining from Ch.0.00kms to Ch.6.020kms excluding Hassapur aqueduct and Kalna aqueduct between chainage 4.165 to 4.227 and 4.772 to 5.117kms at Village Ankane-Hassapur and Hali in Pernem Taluka.

Ref. to Requisition No.: F.353/SDI / WDVII/WRD/2020-21/203 Dated :- 07/ 01 / 2021.

Qty. Recived. :15 Sets of cube Date of Receipt:- 11/ 01/ 2021. Tested on: -15,16,17,18,19/01/2021as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 :1. :3 O.S No.:4721 to4726,4734 to 4736/SS ,30 RK to 32RK,4740 to 4742/SS. Lab.Sample No.: 47 To 61

Tested By: Mrs.R.R. Kadam A.E & Mrs. S.B. Naik Shirodkar. J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 :1.5 : 3 , cast on 18/12/2020. R.C.C. for lining ch.5.370 to ch.5.480km	28 th day compressive strength	265.04	Kg/Cm ²	265.00 Kg/cm ²	4.29	Qty represents - 135.00 Cum for one sets of cubes
			292.22	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	276.36	Kg/Cm²			
2	Cement concrete cube of mix 1 :1.5 : 3 , cast on 18/12/2020. R.C.C. for lining ch.5.370 to ch.5.480km	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	4.86	----- do -----
			294.48	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	277.87	Kg/Cm²			
3	Cement concrete cube of mix 1 :1.5 : 3 , cast on 18/12/2020. R.C.C. for lining ch.5.370 to ch.5.480km	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	8.28	----- do -----
			260.51	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	286.93	Kg/Cm²			
4	Cement concrete cube of mix 1 :1.5 : 3 , cast on 19/12/2020. R.C.C. for lining ch.5.480 to ch.5.600km	28 th day compressive strength	276.36	Kg/Cm ²	265.00 Kg/cm ²	12.27	----- do -----
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
5	Cement concrete cube of mix 1 :1.5 : 3 , cast on 19/12/2020. R.C.C. for lining ch.5.480 to ch.5.600km	28 th day compressive strength	308.08	Kg/Cm ²	265.00 Kg/cm ²	9.13	----- do -----
			301.28	Kg/Cm ²			
			258.24	Kg/Cm ²			
		Average	289.20	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	Cement concrete cube of mix 1 :1.5 : 3 , cast on 19/12/2020. R.C.C. for lining ch.5.480 to ch.5.600km	28 th day compressive strength	303.55	Kg/Cm ²	265.00 Kg/cm ²	10.27	----- do -----
			287.69	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	292.22	Kg/Cm ²			
7	Cement concrete cube of mix 1 :1.5 : 3 , cast on 20/12/2020. R.C.C. for lining ch.5.600 to ch.5.720km	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	6.28	Qty represents -135.0 Cum for one sets of cubes
			283.16	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	281.65	Kg/Cm ²			
8	Cement concrete cube of mix 1 :1.5 : 3 , cast on 20/12/2020. R.C.C. for lining ch.5.600 to ch.5.720km	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	4.57	----- do -----
			289.95	Kg/Cm ²			
			260.51	Kg/Cm ²			
		Average	277.12	Kg/Cm ²			
9	Cement concrete cube of mix 1 :1.5 : 3 , cast on 20/12/2020. R.C.C. for lining ch.5.600 to ch.5.720km	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	6.85	----- do -----
			303.55	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	283.16	Kg/Cm ²			
10	Cement concrete cube of mix 1 :1.5 : 3 , cast on 21/12/2020. R.C.C. for lining ch.5.720 to ch.5.840km	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	6.28	Qty represents -141.0 Cum for one sets of cubes
			283.16	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	281.65	Kg/Cm ²			
11	Cement concrete cube of mix 1 :1.5 : 3 , cast on 21/12/2020. R.C.C. for lining ch.5.720 to ch.5.840km	28 th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/cm ²	14.55	----- do -----
			317.14	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	303.55	Kg/Cm ²			

Junior Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
12	Cement concrete cube of mix 1 :1.5 : 3 , cast on 21/12/2020. R.C.C. for lining ch.5.720 to ch.5.840km	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	10.84	----- do -----
			294.48	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	293.73	Kg/Cm ²			
13	Cement concrete cube of mix 1 :1.5 : 3 , cast on 22/12/2020. R.C.C. for lining ch.5.840 to ch.6.020km	28 th day compressive strength	310.34	Kg/Cm ²	265.00 Kg/cm ²	12.84	Qty represents -140.0 Cum for one sets of cubes
			280.89	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	299.01	Kg/Cm ²			
14	Cement concrete cube of mix 1 :1.5 : 3 , cast on 22/12/2020. R.C.C. for lining ch.5.840 to ch.6.020km	28 th day compressive strength	289.95	Kg/Cm ²	265.00 Kg/cm ²	6.28	----- do -----
			251.44	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	281.65	Kg/Cm ²			
15	Cement concrete cube of mix 1 :1.5 : 3 , cast on 22/12/2020. R.C.C. for lining ch.5.840 to ch.6.020km	28 th day compressive strength	287.69	Kg/Cm ²	265.00 Kg/cm ²	4.57	----- do -----
			260.51	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	277.12	Kg/Cm ²			

- Copy to: 1. The Assistant Engineer , SDI , WD VII, WRD, Dharagal - 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 , WD VII ,WRD, Dharagal - Pernem - Goa.
4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer