

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 665,677,689,719 / Lab / **206** / 2020 - 21 Dated:- 23/01 / 2021. Laboratory : Bicholim - Goa.

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

Name of work :Construction of the Tivim Minor from ch.2.29km to ch.3.86km of LBMC of TIP at Tivim village in Bardez Taluka.

Ref. to Requisition No.: SDIII/WDVIII/WRD/W.F.51/2020-21/257 Dated :- 12/01/2021.

Qty. Recived. :04 Sets of cube Date of Receipt:- 13/01/2021. Tested on: -13,14,15 & 18/01/2021as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1:1.5:3 O.S No. : 4693,4704,4716/ SS & 33/RK. Lab. Sample No.: 91 To 94 Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mrs.R.R.Kadam A.E

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Sl. 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 06/01/2021.For R.C.C. thrust block for 90 degree bend at ch.2.885km	7 th day compressive strength	190.28	Kg/Cm ²	175.00 Kg/cm ²	2.69	1)Qty represents -8.50 Cum. 2)28th day test due on 03/02/2021
			181.22	Kg/Cm ²			
			167.63	Kg/Cm ²			
			Average	179.71			
2	Cement concrete cube of mix 1:2:4 , cast on 07/01/2021. For Casing for NH-road crossing from ch.2.886 to 2.8994km.	7 th day compressive strength	158.57	Kg/Cm ²	140.00 Kg/cm ²	14.34	1)Qty represents -18.00 Cum. 2)28th day test due on 04/02/2021
			181.22	Kg/Cm ²			
			140.45	Kg/Cm ²			
			Average	160.08			
3	Cement concrete cube of mix 1:1.5:3 , cast on 08/01/2021. For R.C.C thrust Blocks for bends from ch.2.899 to 3.048km	7 th day compressive strength	185.75	Kg/Cm ²	175.00 Kg/cm ²	11.32	1)Qty represents -17.00 Cum. 2)28th day test due on 05/02/2021
			217.47	Kg/Cm ²			
			181.22	Kg/Cm ²			
			Average	194.81			
4	Cement concrete cube of mix 1:1.5:3 , cast on 11/01/2021. For R.C.C. thrust Blocks & Anchor Blocks from ch.3.048km to 3.32km including Anchor block at ch.3.002km.	7 th day compressive strength	174.43	Kg/Cm ²	175.00 Kg/cm ²	8.30	1)Qty represents -12.00 Cum. 2)28th day test due on 08/02/2021
			181.22	Kg/Cm ²			
			212.93	Kg/Cm ²			
			Average	189.53			

Copy to: 1. The Assistant Engineer , SD III , WD VIII, Karaswada-Bardez - 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 VIII, Karaswada-Bardez - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer