

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 877,881,890,919/ Lab / **248**/ 2020 - 21 Dated:- 16/ 02 / 2021. Laboratory : Bicholim - Goa.
Sub Division V (OC)/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. Received. :04 Sets of cube Date of Receipt:- 13/01/ 2021. Tested on: -03,04,05,08/02/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1:1.5:3 O.S No. : 4905,4911,4922,4957/ SS Lab. Sample No.: 91 to 94 Tested By: 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 06/01/2021.For R.C.C. thrust block for 90 degree bend at ch.2.885km	28 th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	3.43	1)Qty represents -8.50 Cum.
			267.30	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	274.10	Kg/Cm²			
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.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	11.47	1)Qty represents -18.00 Cum.
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	234.08	Kg/Cm²			
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	28 th day compressive strength	283.16	Kg/Cm ²	265.00 Kg/cm ²	5.71	1)Qty represents -17.00 Cum.
			289.95	Kg/Cm ²			
			267.30	Kg/Cm ²			
		Average	280.14	Kg/Cm²			
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.	28 th day compressive strength	292.22	Kg/Cm ²	265.00 Kg/cm ²	5.43	1)Qty represents -12.00 Cum.
			265.04	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	279.38	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer