

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

Test Report No.: WRD / QC / F.6-2 / Cube -T : 346,347,349,350,369,381,382,423,424 / Lab / 172/ 2020 - 21 Dated:- 26 / 12 / 2020 Laboratory : Bicholim - Goa.
Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Anjuna Distributory taking off at ch. 28.97 km of the L.B.M.C. of T.I. P. in Siolim & Anjuna Village of Bardez Taluka. Part II : Construction of Rising main and reinstatement of allied structures for Anjuna Distributory from ch.0.00km to ch. 4.50kms in Cucholim and Siolim Village of Bardez Taluka.

Ref. to Requisition No.: WRD /WD VIII / SD III / W F.32 /(PART -II)/2020-21/209 dated :-30 / 11 / 2020.

Qty. Recived. : 09 Sets of cube Date of Receipt:- 30 / 11 / 2020. Tested on: - 02 To 22 /12/2020 Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 4320, 4321, 4336, 4337, 4360, 4385, 4386,4438 & 4439/SS. Lab. Sample No.: 9630 TO 9638

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/11/2020, for R/wall at Marna ch. 4.50 km- Fonundation. 0 to 25.0m (S26)	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 15.00 Cum.
			240.12	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/11/2020, for R/wall at Marna ch. 4.50 km- Fonundation. 0 to 25.0m (S27)	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.51	Qty represents - 13.00 Cum.
			249.18	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	225.77	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/11/2020, for R/wall at Marna ch. 4.50 km- Fonundation. 24 to 50.0m (S28)	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 16.00 Cum.
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/11/2020, for R/wall at Marna ch. 4.50 km- Fonundation. 24 to 50.0m (S29)	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.43	Qty represents - 14.00 Cum.
			212.93	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	223.51	Kg/Cm²			

Junior Engineer

Assistant Engineer

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5	Cement concrete cube of mix 1 : 1.5 : 3 , cast on 09/11/2020, for Culvert slab at Marna petrol pump. (S30)	28 th day compressive strength	249.18	Kg/Cm ²	265.00 Kg/cm ²	6.85	Qty represents - 4.00 Cum.
			283.16	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	283.16	Kg/Cm²			
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/11/2020, for R/wall at Marna ch. 4.50 km- 1 st lift 0 to 50.0m (S31)	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 18.00 Cum.
			235.59	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 12/11/2020, for R/wall at Marna ch. 4.50 km- 1 st lift 0 to 50.0m (S32)	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 16.00 Cum.
			226.53	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/11/2020, for R/wall at Marna ch. 4.50 km- 2 nd lift 0 to 22.0m (S33)	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 12.00 Cum.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 24/11/2020, for R/wall at Marna ch. 4.50 km- 2 nd lift 22.0 to 50.0m (S34)	28 th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 14.00 Cum.
			246.91	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	239.36	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDIII , 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