

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :7465,7499,7510,7537 & 7550 / Lab / **221** / 2019 - 20 Dated:- 01/ 07 / 2019 Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Pilgao Narve Distributory of LBMC of TIP from Ch. 11.020 kms to Ch. 12.330 kms at Pilgao and Narva Villages in Bicholim Taluka.**

Ref. to Requisition No.: WRD /WD VIII / SD II / F.160-5 /2019-20/27 dated :-04 / 06 / 2019.

Qty. Recived. : 05 Sets of cube Date of Receipt:- 07/ 06 / 2019. Tested on: - 25/06/2019 To 30/06/2016 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1:3:6 & 1 : 2 : 4 O.S No. : 2364,2398,2409,2436/SS & 601/SP. Lab. Sample No.: 6051 To 6055

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Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mr. S.M. Patri, AE

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 28/05/2019, for retaining wall. Qty represents - 17.00 Cum.	28 <sup>th</sup> day compressive strength	111.00	Kg/Cm <sup>2</sup>	100.00 Kg/cm <sup>2</sup>	9.49	Excat location of work done is not specified.
			104.20	Kg/Cm <sup>2</sup>			
			113.26	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>109.49</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 30/05/2019, for retaining wall. Qty represents - 20.00 Cum.	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	15.06	--- do ---
			267.30	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>241.63</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 31/05/2019, for retaining wall. Qty represents - 20.00 Cum.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.03	--- do ---
			246.91	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.06</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01/06/2019, for retaining wall. Qty represents - 20.00 Cum.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	--- do ---
			203.87	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 02/06/2019, for retaining wall. Qty represents - 20.00 Cum.	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	17.22	--- do ---
			251.44	Kg/Cm <sup>2</sup>			
			222.00	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>246.16</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SDII , WD VIII, WRD, Tivim, 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