

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 914,917,957,985 / Lab / **244** / 2020 - 21 Dated:- 15/ 02 / 2021. Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Improvement to waterways at Vadanchi Dhat Shivolkarwada Mulgao in Bicholim-Taluka.**

Ref. to Requisition No.: F.36/SDIII/WDVI/WRD/2020-21/183 Dated :- 05/ 02 / 2021.

Qty. Recived. :04 Sets of cube Date of Receipt:- 05/02/ 2021. Tested on: -06,08,10,12/02/2021as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 4948,4955,5001,5035/SS Lab. Sample No.: 356 To 359 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 <b>1 : 2 : 4</b> , cast on 30/01/2021. P.C.C. For Foundation of Retaining wall on both sides	7 <sup>th</sup> day compressive strength	160.83	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	15.42	1)Qty represents -15.00 Cum. 2)28th day test due on 27/02/2021
			167.63	Kg/Cm <sup>2</sup>			
			156.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>161.59</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01/02/2021. P.C.C. For Abutment Foundation for culvert.	7 <sup>th</sup> day compressive strength	147.24	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	11.11	1)Qty represents -6.00 Cum. 2)28th day test due on 01/03/2021
			156.30	Kg/Cm <sup>2</sup>			
			163.10	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>155.55</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 03/02/2021. P.C.C. For Abutment Foundation for culvert.	7 <sup>th</sup> day compressive strength	144.98	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	7.87	1)Qty represents -6.00 Cum. 2)28th day test due on 03/03/2021
			149.51	Kg/Cm <sup>2</sup>			
			158.57	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>151.02</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 05/02/2021. P.C.C. For Abutment Foundation for culvert.	7 <sup>th</sup> day compressive strength	154.04	Kg/Cm <sup>2</sup>	140.00 Kg/cm <sup>2</sup>	9.49	1)Qty represents -10.00 Cum. 2)28th day test due on 05/03/2021
			160.83	Kg/Cm <sup>2</sup>			
			144.98	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>153.28</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD III , WD VI, WRD,Mulgao - 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 VI ,WRD, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer