

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7924,7925,7930,7931,7935 / Lab / **288** / 2019 - 20 Dated:- 25 / 10 / 2019 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 Left bank main canal of Tillari Irrigation Project in Siolim & Anjuna Village of Bardez Taluka. Part I : Construction of pump house, manifold and supply & installation of pumps and motors, Transformer Sub station , Electrical accessories and internal wiring for Anjuna Distributory near Ch. 28.970 Kms of L.B.M.C. of T.I.P. at Chucholim Village of Bardez Taluka.**

Ref. to Requisition No.: WRD /WD VIII / SD III / W F.32 /(PART -I)/2019-20/ **152** dated :- 30 / 09 / 2019.

Qty. Received. : 05 Set of cube Date of Receipt:- 01 / 10 / 2019. Tested on: - 03 /10/2019 To 25/10/2019 as per due dates Ref to CPWD :2002, Vol. I

Sample: Cube Mix **1 : 2 : 4 & 1 : 1.5 : 3** O.S No. : 2706,2707,2721,2722,2730/SS. Lab. Sample No.: 6797 To 6801 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

**Cube test is Witnessed by Shri. N.Pednekar,T.A.,SDIII,WDVIII & Shri. Nambirajan S. representative by M/s. Bagkiya Construction (agency) on 22/10/2019.**

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 05/09/2019, for Ground floor plinth PCC. (S25)	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	20.09	Qty represents -17.00 Cum for two sets of cubes.
			260.51	Kg/Cm <sup>2</sup>			
			246.91	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>252.20</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 05/09/2019, for Ground floor plinth PCC. (S25)	28 <sup>th</sup> day compressive strength	244.65	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	22.25	... Do ....
			253.71	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>256.73</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 24/09/2019, for First Floor Slab (S26)	28 <sup>th</sup> day compressive strength	342.05	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	1.15	Qty represents -50.00 Cum for two sets of cubes.
			219.73	Kg/Cm <sup>2</sup>			
			242.38	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>268.06</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 24/09/2019, for First Floor Slab (S26)	28 <sup>th</sup> day compressive strength	262.77	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	7.42	... Do ....
			244.65	Kg/Cm <sup>2</sup>			
			346.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>284.67</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 27/09/2019, for Columns C1 to C7- First floor (S27)	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	2.01	Qty represents - 3.30 Cum.
			269.57	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>270.32</b>	<b>Kg/Cm<sup>2</sup></b>			

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