

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7748,7766,7767,7786,7787,7845.7846 / Lab / **256** / 2019 - 20 Dated:- 23 / 07 / 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/ **87** dated :- 10 / 07 / 2019.

Qty. Recived. : 07 Set of cube Date of Receipt:- 10 / 07 / 2019. Tested on: - 12 /07/2019 To 22/07/2019 as per due dates Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1 : 1.5 : 3 & 1 : 2 : 4 O.S No. : 2566/SS, 617,618/SP,2600,2601,2657,2658/SS. Lab. Sample No.: 6631 To 6637 Tested By: Mrs. S.B. Naik Shirodkar. J.E. & S. M .Patri .A.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 14/06/2019, for Footing F 1 - F 7 & Colum. (S18)	28 <sup>th</sup> day compressive strength	303.55	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	9.13	Qty represents - 10.00 Cum.
			278.63	Kg/Cm <sup>2</sup>			
			285.42	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>289.20</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 16/06/2019, for Retaining wall first lift - carpenter house side. (S19)	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	3.55	Qty represents -30.00 Cum for two sets of cubes.
			233.32	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 16/06/2019, for Retaining wall first lift - carpenter house side. (S19)	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	... Do ....
			212.93	Kg/Cm <sup>2</sup>			
			228.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 18/06/2019, for Retaining wall second lift - carpenter house side. (S20)	28 <sup>th</sup> day compressive strength	271.83	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	24.41	Qty represents -28.00 Cum for two sets of cubes.
			249.18	Kg/Cm <sup>2</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>261.26</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 18/06/2019, for Retaining wall second lift - carpenter house side. (S20)	28 <sup>th</sup> day compressive strength	258.24	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	20.45	Qty represents -28.00 Cum for two sets of cubes.
			251.44	Kg/Cm <sup>2</sup>			
			249.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>252.95</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 24/06/2019, for Retaining wall third lift - carpenter house side. (S21)	28 <sup>th</sup> day compressive strength	253.71	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	24.77	Qty represents -25.00 Cum for two sets of cubes.
			260.51	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>262.02</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 24/06/2019, for Retaining wall third lift - carpenter house side. (S21)	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	15.42	... Do ....
			244.65	Kg/Cm <sup>2</sup>			
			255.97	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>242.38</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