

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 640,663,664,675,676,688 / Lab / **228** / 2020 - 21 Dated:- 09/02 / 2021. Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Anjuna Distributory taking off at ch.28.970km 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 Substain, Electrical accessories and internal wiring for Anjuna Distributory near ch.28.970 kms of LBMC of TIP at Village Cucholim of Bardez Taluka.**

Ref. to Requisition No.: SDIII/WDVIII/WRD/WF.32(Part-1)/2020-21/254 Dated :- 11/01 / 2021.

Qty. Recived. :6 Sets of cube Date of Receipt:- 11/ 01/ 2021. Tested on: -12,13,14 & 15/01/2021as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 & 1 : 1.5 : 3 O.S No. : 4671,4691,4692,4702,4703,4715. Lab. Sample No.: 71 To 76 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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<b>SR. NO.</b>	<b>DISCRIPTION OF SAMPLE</b>	<b>TESTED FOR</b>	<b>RESULTS</b>		<b>Max./Min.Value permissable</b>	<b>% above or below</b>	<b>REMARK</b>
1	Cement concrete cube of mix <b>1 :1.5 : 3</b> , cast on 15/12/2020.For Solar light foundation at Pump h.	28 <sup>th</sup> day compressive strength	299.01	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	9.13	Qty represents - 4.00 Cum.
			278.63	Kg/Cm <sup>2</sup>			
			289.95	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 :1.5 : 3</b> , cast on 16/12/2020. For Solar light foundation at Pump h. & Tillari complex.	28 <sup>th</sup> day compressive strength	305.81	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	14.55	Qty represents - 5.50 Cum.
			308.08	Kg/Cm <sup>2</sup>			
			296.75	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>303.55</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 :2 : 4</b> , cast on 16/12/2020. For Bed PCC of spillage drain.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	5.35	Qty represents - 3.50 Cum.
			219.73	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 :1.5 : 3</b> , cast on 17/12/2020. For Solar light foundation at Tillari complex.	28 <sup>th</sup> day compressive strength	253.71	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	7.42	Qty represents - 4.50 Cum.
			289.95	Kg/Cm <sup>2</sup>			
			310.34	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>284.67</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 :2 : 4</b> , cast on 17/12/2020. For spill drain wall, building side	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	14.70	Qty represents - 7.50 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			249.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>240.87</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 :2 : 4</b> , cast on 18/12/2020. For spill drain wall, transformer side	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	13.98	Qty represents - 8.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			260.51	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>239.36</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD III , 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