

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1128,1129,1133,1134,/ Lab / **285**/ 2020 - 21 Dated:- 06/03/ 2021. Laboratory : Bicholim - Goa  
1137,1138,1150,1151 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Construction of pump house, rising main and allied structures for pumping water from ch 7.190 km to ch 8.002 km and Gravity Main from ch 8.002 km to 8.780 km of B6 distributory of RBMC of TIP at Ugvem in Pernem Taluka.**

Ref. to Requisition No:-SDII/ WD.VII/ W.R.D./F.23/2020-21/ 149 Dated :- 22/ 02 / 2021.

Qty. Recived. :08 Sets of cube Date of Receipt:- 27/ 02 / 2021. Tested on: -27/02/2021 & 01,02 & 03/03/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:1.5:3 O.S No.:5199,5200,5206,5207,5214,5215,5230,5231/SS Lab. Sample No.:536 to 543 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

**REPORT PAGE 01 OF 02**

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 30/01/2021.RCC for Anchor and thrust blocks and chamber from Ch.1020 to Ch.1370m.	28 <sup>th</sup> day compressive strength	317.14	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	17.68	Qty represents - 30.00 cum for two sets of cubes.
			314.87	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>311.85</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 30/01/2021.RCC for Anchor and thrust blocks and chamber from Ch.1020 to Ch.1370m.	28 <sup>th</sup> day compressive strength	280.89	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	10.84	----- do -----
			310.34	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>293.73</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 01/02/2021.RCC for Anchor and thrust blocks and chamber from Ch.1370 to Ch.1570m.	28 <sup>th</sup> day compressive strength	299.01	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	8.85	Qty represents - 30.00 cum for two sets of cubes.
			287.69	Kg/Cm <sup>2</sup>			
			278.63	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>288.44</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 01/02/2021.RCC for Anchor and thrust blocks and chamber from Ch.1370 to Ch.1570m.	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.43	----- do -----
			283.16	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>279.38</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 02/02/2021.RCC for Anchor and thrust blocks and chamber from Ch.1570 to Ch.1620m.	28 <sup>th</sup> day compressive strength	305.81	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	10.56	Qty represents - 30.00 cum for two sets of cubes.
			283.16	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>292.97</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 02/02/2021.RCC for Anchor and thrust blocks and chamber from Ch.1570 to Ch.1620m.	28 <sup>th</sup> day compressive strength	267.30	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.86	----- do -----
			269.57	Kg/Cm <sup>2</sup>			
			296.75	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.87</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

**REPORT PAGE 02 OF 02**

<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>
7	Cement concrete cube of mix <b>1 :1.5 : 3</b> , cast on 03/02/2021. RCC For Drain.	28 <sup>th</sup> day compressive strength	287.69	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	Qty represents - 30.00 cum for two sets of cubes.
			280.89	Kg/Cm <sup>2</sup>			
			262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.12</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 :1.5 : 3</b> , cast on 03/02/2021. RCC For Drain.	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	3.15	----- do -----
			292.22	Kg/Cm <sup>2</sup>			
			253.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>273.34</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD II , WD VII, WRD, Dhargal-Pernem- 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 VII ,WRD, Dhargal-Pernem-Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer