

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T -8483,8685,8692,8742,8747 /Lab/**429** / 2019 -20 Dated:-10 / 02 / 2020

Laboratory : Bicholim -Goa / Sub Division V (QC)/WRD/ Bicholim -Goa.

**Name of Work: -Construction of pump house, rising main & 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 R.B.M.C. of T.I.P. at Ugvem in Pernem Taluka.**

**Ref. to Requisition No.:** - SDII/WDVII/WRD/F.18/19-20/138 Dated : - 13 / 01 / 2020

Ref to CPWD :2009, Vol. I

Qty. Recived. : 5 Sets of cube Date of Receipt: - 13 / 01 / 2020. Tested on: -14/01/2020 To 08/02/2020 as per due dates

Sample: R.C.C. 1:1.5:3 & P.C.C. 1:2:4 O.S No: 1532,1663,1666,1683/AF,3194/SS. Lab. Sample No.: 7622 To 7626. Tested By: -Mr.Anil R. Fadte,J.E & Mrs. S.S. Shirodkar,J.E.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cubes of mix 1:2:4 cast on 17 / 12 / 2019, for footing PCC, C1 to C15.	28th day compressive strength	231.06	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	22.25	Quantity represents 15.00 Cum.
			271.83	Kg/Cm <sup>3</sup>			
			267.30	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>256.73</b>			
2	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 04 / 01 / 2020, for footing RCC, C1 to C15	28th day compressive strength	267.30	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	1.15	Quantity represents 14.00 Cum.
			274.10	Kg/Cm <sup>3</sup>			
			262.77	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>268.06</b>			
3	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 06 / 01 / 2020, for columns upto plinth level (1.8m height) C 1 to C 15	28th day compressive strength	271.83	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	3.15	Quantity represents 06.00 Cum.
			265.04	Kg/Cm <sup>3</sup>			
			283.16	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>273.34</b>			
4	Reinforced Cement concrete cubes of mix 1:1.5:3 cast on 10 / 01 / 2020, for plinth beam PB 1 to PB 23.	28th day compressive strength	344.32	Kg/Cm <sup>3</sup>	265.00 Kg/Cm <sup>2</sup>	23.09	Quantity represents 15.00 Cum.
			301.28	Kg/Cm <sup>3</sup>			
			332.99	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>326.20</b>			
5	Plain Cement concrete cubes of mix 1:2:4 cast on 11 / 01 / 2020, for PCC for flooring .	28th day compressive strength	226.53	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	3.91	-Do-
			219.73	Kg/Cm <sup>3</sup>			
			208.40	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.22</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 ,WDVII,WRD , Dhargal - Pernem- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer