

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9452, 9467 TO 9471 / Lab / **10** / 2020 - 21      Dated:- 16/ 04 / 2020      Laboratory : Bicholim - Goa.  
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.I: SD II /WD VII /WRD/ F. 18 /2020-21/184      dated :- 12 / 04 / 2020.

Ref. to Requisition Noll.: SD II /WD VII /WRD/ F. 18 /2020-21/185      dated :- 13 / 04 / 2020.

Qty. Received. : 06 Sets of cube      Date of Receipt:- 12 & 13/ 04 / 2020.      Tested on: - 12 & 16 /04 / 2020 as per due dates.      Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 1.5 : 3      O.S No. : 742/SP & 3559 /SS.      Lab. Sample No.: 8568, 8569 TO 8573

Tested By: Mr. S.M. Patri., A.E. & Mrs. S.B. Naik Shirodkar. J.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 1 : 1.5 : 3 , cast on 15/03/2020, for Columns first floor C1 to C15.(Columns till bottom of Slab)	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	16.25	Quantity represents 06.00 Cum
			339.79	Kg/Cm <sup>2</sup>			
			289.95	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>308.08</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/03/2020, for Slab and beams.(Sloping Slab and beams)	28 <sup>th</sup> day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.86	Quantity represents 48.00 Cum
			262.77	Kg/Cm <sup>2</sup>			
			287.69	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>277.87</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/03/2020, for Slab and beams.(Sloping Slab and beams)	28 <sup>th</sup> day compressive strength	289.95	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.29	---- do ----
			267.30	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>276.36</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/03/2020, for Slab and beams.(Sloping Slab and beams)	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	3.72	---- do ----
			287.69	Kg/Cm <sup>2</sup>			
			276.36	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>274.85</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/03/2020, for Slab and beams.(Sloping Slab and beams)	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	16.25	Quantity represents 48.00 Cum
			317.14	Kg/Cm <sup>2</sup>			
			312.61	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>308.08</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 19/03/2020, for Slab and beams.(Sloping Slab and beams)	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	10.56	---- do ----
			292.22	Kg/Cm <sup>2</sup>			
			321.67	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>292.97</b>	<b>Kg/Cm<sup>2</sup></b>			

- Copy to: 1. The Assistant Engineer , SDII , 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