

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :3987 to 3993/ Lab /40/ 2022 - 23 Dated:- 20/ 04 /2022.

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

**Name of work :Augmentation of Right Bank Main Canal of T.I.P at ch 12.950 km from Kalna river to secure uninterrupted raw water supply for drinking, agricultural and industrial purpose during the annual canal maintenance period of TIP dam and its appurtenances".**

Ref. to Requisition No.: SDIV/WDVII/WRD/F.19/2022-2023/03 Dt.:-18/ 04/ 2022

Qty. Received. : 7 Sets of cube Date of Receipt:- 18/ 04 / 2022. Tested on: 18/04/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **RCC M30** O.S No. :8232 to 8238/SS Lab. Sample No.: 3887 to 3893 Tested By: 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	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	434.93	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	25.19	Qty represents - 130.00 Cum for seven sets of cubes.
			407.75	Kg/Cm <sup>2</sup>			
			453.05	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>431.91</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	430.40	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	27.38	----- do -----
			441.73	Kg/Cm <sup>2</sup>			
			446.26	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>439.46</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	441.73	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	23.22	----- do -----
			430.40	Kg/Cm <sup>2</sup>			
			403.22	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>425.11</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	339.79	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	9.65	----- do -----
			387.36	Kg/Cm <sup>2</sup>			
			407.75	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>378.30</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	376.03	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	10.09	----- do -----
			366.97	Kg/Cm <sup>2</sup>			
			396.42	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>379.81</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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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>
6	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	348.85	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	8.34	Qty represents - 130.00 Cum for seven sets of cubes.
			380.56	Kg/Cm <sup>2</sup>			
			391.89	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>373.77</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>M 30</b> , cast on 21/03/2022. For RCC bottom raft of jack well.	28 <sup>th</sup> day compressive strength	407.75	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	9.21	----- do -----
			380.56	Kg/Cm <sup>2</sup>			
			342.05	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>376.79</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SDIV , WD VII, WRD,Dhargal, Pednem - 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, Pednem - Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer