

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :5315 to 5320/ Lab /153/ 2022 - 23

Dated:- 20/08/2022.

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.19/2022-2023/57 Dt.:-12/08/ 2022

Qty. Recived. : 06 Sets of cube Date of Receipt:- 12/08/ 2022. Tested on: 17/08/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-30** O.S No. :9271 to 9276 /SS Lab. Sample No.: **5175 to 5180** 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 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	357.91	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	1.12	Qty represents - 70.00 Cum for Six sets of cubes.
			326.20	Kg/Cm <sup>2</sup>			
			362.44	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>348.85</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>M 30</b> , cast on 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	342.05	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	2.43	----- do -----
			353.38	Kg/Cm <sup>2</sup>			
			364.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>353.38</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>M 30</b> , cast on 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	346.59	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	2.21	----- do -----
			335.26	Kg/Cm <sup>2</sup>			
			376.03	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>352.63</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>M 30</b> , cast on 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	353.38	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	4.18	----- do -----
			357.91	Kg/Cm <sup>2</sup>			
			366.97	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>359.42</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	Cement concrete cube of mix <b>M 30</b> , cast on 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	348.85	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	1.77	Qty represents - 70.00 Cum for Six sets of cubes.
			344.32	Kg/Cm <sup>2</sup>			
			360.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>351.12</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>M 30</b> , cast on 20/07/2022. RCC for Pump house first slab.	28 <sup>th</sup> day compressive strength	355.65	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	3.30	----- do -----
			373.77	Kg/Cm <sup>2</sup>			
			339.79	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>356.40</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SDIV , 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