

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :4846 to 4849/ Lab /119/ 2022 - 23 Dated:- 10/06/2022.

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.19/2022-2023/25 Dt.:-07/ 06/ 2022

Qty. Received. : 04 Sets of cube Date of Receipt:- 08/ 06 / 2022. Tested on: 08/06/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M30** O.S No. :8811 to 8814/SS Lab. Sample No.: 4836 to 4839 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 11/05/2022. For Forebay wall (first lift) 7 nos columns and raft of isolated footing raft (8 nos)	28 <sup>th</sup> day compressive strength	405.48	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	17.09	Qty represents - 34.00 Cum for four sets of cubes.
			425.87	Kg/Cm <sup>2</sup>			
			380.56	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>403.97</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>M 30</b> , cast on 11/05/2022. For Forebay wall (first lift) 7 nos columns and raft of isolated footing raft (8 nos)	28 <sup>th</sup> day compressive strength	419.07	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	17.53	----- do -----
			407.75	Kg/Cm <sup>2</sup>			
			389.63	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>405.48</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>M 30</b> , cast on 11/05/2022. For Forebay wall (first lift) 7 nos columns and raft of isolated footing raft (8 nos)	28 <sup>th</sup> day compressive strength	389.63	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	11.40	----- do -----
			382.83	Kg/Cm <sup>2</sup>			
			380.56	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>384.34</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>M 30</b> , cast on 11/05/2022. For Forebay wall (first lift) 7 nos columns and raft of isolated footing raft (8 nos)	28 <sup>th</sup> day compressive strength	344.32	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	4.40	----- do -----
			373.77	Kg/Cm <sup>2</sup>			
			362.44	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>360.18</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