

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :4656 to 4659/ Lab /95/ 2022 - 23 Dated:- 25/ 05 /2022.

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

**Name of work : Augmentation of Right Bank Main Canal of TIP 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.19/2022-23/13 Dt.:-16/ 05/ 2022

Qty. Received. : 4 Sets of cube Date of Receipt:- 23/ 05 / 2022. Tested on: 24/05/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **RCC M30** O.S No. :8614 to 8617/R.K Lab. Sample No.: 4584 to 4587 Tested By: Mrs. S. B. Naik Shirodkar J.E.

Cube test witnessed by Shri. CH Gopi representative by Agency South East constructions Pvt. Ltd. On 24/05/2022.

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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>M30</b> , cast on 26/04/2022. RCC for Second lift sump wall, retaining wall raft isolated footing and fore bay wall.	28 <sup>th</sup> day compressive strength	335.26	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	3.52	Qty represents - 48.00 Cum for four sets of cubes.
			355.65	Kg/Cm <sup>2</sup>			
			380.56	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>357.16</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>M30</b> , cast on 26/04/2022. RCC for Second lift sump wall, retaining wall raft isolated footing and fore bay wall.	28 <sup>th</sup> day compressive strength	348.85	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	1.99	----- do -----
			369.24	Kg/Cm <sup>2</sup>			
			337.52	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>351.87</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>M30</b> , cast on 26/04/2022. RCC for Second lift sump wall, retaining wall raft isolated footing and fore bay wall.	28 <sup>th</sup> day compressive strength	385.09	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	9.65	----- do -----
			400.95	Kg/Cm <sup>2</sup>			
			348.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>378.30</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>M30</b> , cast on 26/04/2022. RCC for Second lift sump wall, retaining wall raft isolated footing and fore bay wall.	28 <sup>th</sup> day compressive strength	344.32	Kg/Cm <sup>2</sup>	345.00 Kg/cm <sup>2</sup>	4.62	----- do -----
			355.65	Kg/Cm <sup>2</sup>			
			382.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>360.93</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SDIV , WD VIII, 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