

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :3975 to 3984,3999 / Lab /42/ 2022 - 23 Dated:- 20/ 04 /2022.

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

**Name of work : Construction of Piligao-Narva Distributory of LBMC of T.I.P from Ch.12.330 km to tail end at village Narva Mayem in Bicholim Taluka.**

Ref. to Requisition No.: WRD/WDVIII/SDVI/WF.246/2022-23/06 Dated :- 18/04/ 2022.

Qty. Received. : 11 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 **M-25** O.S No. :8220 to 8229,8244/SS Lab. Sample No.: 3897 to 3907 Tested By: Mrs. S. B. Naik Shirodkar. J.E.

Cube test witnessed by Shri. Niranjana Pednekar TA of SDVI,WDVIII & Shri. Rakesh representative of M/s Laxmi, Civil Engineering on 18/04/2022.

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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>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	326.20	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	12.74	Qty represents - 385.00 m3 for eleven sets of cubes.
			303.55	Kg/Cm <sup>2</sup>			
			351.12	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>326.95</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	339.79	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	13.78	----- do -----
			328.46	Kg/Cm <sup>2</sup>			
			321.67	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>329.97</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	285.42	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	6.49	----- do -----
			323.93	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>308.83</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	335.26	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	16.91	----- do -----
			337.52	Kg/Cm <sup>2</sup>			
			344.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>339.03</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	10.92	----- do -----
			321.67	Kg/Cm <sup>2</sup>			
			348.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>321.67</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strength	344.32	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	15.87	----- do -----
			346.59	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>336.01</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
7	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strenath	348.85	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	13.00	Qty represents - 385.00 m3 for eleven sets of cubes.
			328.46	Kg/Cm <sup>2</sup>			
			305.81	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>327.71</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strenath	342.05	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	14.30	----- do -----
			319.40	Kg/Cm <sup>2</sup>			
			332.99	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>331.48</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strenath	328.46	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	19.25	----- do -----
			353.38	Kg/Cm <sup>2</sup>			
			355.65	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>345.83</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strenath	348.85	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	19.51	----- do -----
			344.32	Kg/Cm <sup>2</sup>			
			346.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>346.59</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix <b>M 25</b> , cast on 21/03/2022. For RCC Raft for Storage tank.	28 <sup>th</sup> day compressive strenath	357.91	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	14.83	----- do -----
			323.93	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>332.99</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD VI , WD VIII, WRD- Bicholim - 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 VIII ,WRD, Karaswada-Bardez- Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer