

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7069,7070,7071,7081,7082,7138/Lab/**94**/2023 - 24 Dated:- 09/06/2023.  
7139,7153,7154.

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/SDIV/WF.246/2023-24/45. Dt.:- 31/05/2023

Qty. Received : **09** Sets of cube Date of Receipt:- 31/05/2023. Tested on:- 31/05/2023 & 01,06,07/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:1.5:3** O.S No : 1367,1368,1369,1379,1380,1436,1437,1451,1452/RK Lab. Sample No: 7240 to 7248 Tested By: Mrs. R.R. Kadam A.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>1:1.5:3</b> , cast on 03/05/2023. for R/W Raft Ch. 0.0 to 20.0 – lp Side.	28 <sup>th</sup> day compressive strength	339.79	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	27.94	Qty represents - 30.00 M3 for three sets of cube.
			342.05	Kg/Cm <sup>2</sup>			
			335.26	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>339.03</b>			
2	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 03/05/2023. for R/W Raft Ch. 0.0 to 20.0 – lp Side.	28 <sup>th</sup> day compressive strength	342.05	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	25.94	---do---
			332.99	Kg/Cm <sup>2</sup>			
			326.20	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>333.75</b>			
3	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 03/05/2023. for R/W Raft Ch. 0.0 to 20.0 – lp Side.	28 <sup>th</sup> day compressive strength	337.52	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	28.51	---do---
			344.32	Kg/Cm <sup>2</sup>			
			339.79	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>340.54</b>			
4	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/05/2023. for R/W Raft Ch. 20.0 to 40.0 – lp Side.	28 <sup>th</sup> day compressive strength	342.05	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	29.08	Qty represents - 30.00 M3 for two sets of cube.
			344.32	Kg/Cm <sup>2</sup>			
			339.79	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>342.05</b>			
5	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 04/05/2023. for R/W Raft Ch. 20.0 to 40.0 – lp Side.	28 <sup>th</sup> day compressive strength	301.28	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	24.23	---do---
			342.05	Kg/Cm <sup>2</sup>			
			344.32	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>329.22</b>			

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 09/05/2023. for R/W Raft Ch. 40.0 to 80.0 – Ip Side.	28 <sup>th</sup> day compressive strength	308.08	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	15.97	Qty represents - 62.00 M3 for two sets of cube.
			317.14	Kg/Cm <sup>2</sup>			
			296.75	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>307.32</b>			
7	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 09/05/2023. for R/W Raft Ch. 40.0 to 80.0 – Ip Side.	28 <sup>th</sup> day compressive strength	274.10	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	13.98	---do---
			314.87	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>302.03</b>			
8	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 10/05/2023. for R/W Raft Ch.80.0 to 100.0 – Ip Side. 1st Lift of R/W Ch 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	276.36	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.57	Qty represents - 36.00 M3 for two sets of cube.
			287.69	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>277.12</b>			
9	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 10/05/2023. for R/W Raft Ch.80.0 to 100.0 – Ip Side. 1st Lift of R/W Ch 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	308.08	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	17.11	---do---
			319.40	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>310.34</b>			

Copy to: 1. The Assistant Engineer, SDIV, WDVIII, WRD, Dodamarg- Goa.

2. Copy submitted to The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.

3. Copy submitted to The Executive Engineer, WDVIII, WRD, Karaswada Bardez- Goa.

4. QC Lab File.      5. Bill File.

**Assistant Engineer**