

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7243,7244,7245,7246,7295,7296/Lab/**113**/2023 - 24 Dated:- 28/06/2023.  
7333,7334,7378,7379.

Laboratory : Bicholim - Goa.  
Sub Division V (OC)/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.246/2022-23/62. Dt.:- 12/06/2023

Qty. Received : **10** Sets of cube Date of Receipt:- 13/06/2023. Tested on:- 14,18,21 & 24/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:1.5:3** O.S No : 1522,1523/RK & 866,867,868,869,921,922,993,994/SS. Lab. Sample No: 7442 to 7451

Tested By: Mrs. R.R. Kadam A.E. & 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>1:1.5:3</b> , cast on 17/05/2023. for R/W 1st Lift Ch. 40.0 to 80.0. R/W 2nd Lift Ch. 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	258.24	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.00	Qty represents - 56.00 M3 for four sets of cube.
			276.36	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>275.61</b>			
2	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 17/05/2023. for R/W 1st Lift Ch. 40.0 to 80.0. R/W 2nd Lift Ch. 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	15.69	---do---
			310.34	Kg/Cm <sup>2</sup>			
			314.87	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>306.57</b>			
3	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 17/05/2023. for R/W 1st Lift Ch. 40.0 to 80.0. R/W 2nd Lift Ch. 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	10.84	---do---
			294.48	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>293.73</b>			
4	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 17/05/2023. for R/W 1st Lift Ch. 40.0 to 80.0. R/W 2nd Lift Ch. 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	9.42	---do---
			292.22	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>289.95</b>			
5	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 21/05/2023. for R/W 2nd Lift Ch. 40.0 to 80.0.	28 <sup>th</sup> day compressive strength	283.16	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	11.13	Qty represents - 25.00 M3 for two sets of cube.
			296.75	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>294.48</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
6	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 21/05/2023. for R/W 2nd Lift Ch. 40.0 to 80.0.	28 <sup>th</sup> day compressive strength	294.48	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	13.12	Qty represents - 25.00 M3 for two sets of cube.
			303.55	Kg/Cm <sup>2</sup>			
			301.28	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>299.77</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 24/05/2023. for R/W 3rd Lift Ch. 0.0 to 40.0.	28 <sup>th</sup> day compressive strength	289.95	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	5.71	Qty represents - 22.00 M3 for two sets of cube.
			278.63	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>280.14</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 24/05/2023. for R/W 3rd Lift 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>	4.00	---do---
			283.16	Kg/Cm <sup>2</sup>			
			267.30	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>275.61</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 27/05/2023. for R/W 3rd Lift Ch. 40.0 to 80.0.	28 <sup>th</sup> day compressive strength	265.04	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	2.58	Qty represents - 22.00 M3 for two sets of cube.
			278.63	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>271.83</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1:1.5:3</b> , cast on 27/05/2023. for R/W 3rd Lift Ch. 40.0 to 80.0.	28 <sup>th</sup> day compressive strength	269.57	Kg/Cm <sup>2</sup>	265.00 Kg/cm <sup>2</sup>	4.29	---do---
			285.42	Kg/Cm <sup>2</sup>			
			274.10	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>276.36</b>	<b>Kg/Cm<sup>2</sup></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.

**Junior Engineer**

**Assistant Engineer**