

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2763 to2765,2768,2769,2780,2781,2792 to 2794/ Lab /219 / 2021 - 22 Dated:- 29/ 11/2021.Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Pilgao-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.246/2021-22/109 Dated :- 29/10/ 2021.

Qty. Received. : 10 Sets of cube Date of Receipt:- 29/ 10 / 2021. Tested on: 31/10/2021,03,08 & 21/11/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix M-25 O.S No. :7053,7054,7055,7099,7100 & 7101/SS & 89,90,95,96/R.K. Lab. Sample No.:2298 to 2307 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 M 25 , cast on 03/10/2021. For 3rd Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	294.48	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	2.33	Qty represents - 48.00 Cum for three sets of cubes.
			314.87	Kg/Cm <sup>2</sup>			
			280.89	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>296.75</b>			
2	Cement concrete cube of mix M 25 , cast on 03/10/2021. For 3rd Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	301.28	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	4.15	----- do -----
			292.22	Kg/Cm <sup>2</sup>			
			312.61	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>302.03</b>			
3	Cement concrete cube of mix M 25 , cast on 03/10/2021. For 3rd Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	312.61	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	7.01	----- do -----
			323.93	Kg/Cm <sup>2</sup>			
			294.48	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>310.34</b>			
4	Cement concrete cube of mix M 25 , cast on 06/10/2021. For1st Lift of R /w Ch. 80-120m.	28 <sup>th</sup> day compressive strenath	308.08	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	8.06	Qty represents - 28.00 Cum for two sets of cubes.
			314.87	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>313.36</b>			
5	Cement concrete cube of mix M 25 , cast on 06/10/2021. For1st Lift of R /w Ch. 80-120m.	28 <sup>th</sup> day compressive strenath	328.46	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	5.97	----- do -----
			301.28	Kg/Cm <sup>2</sup>			
			292.22	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>307.32</b>			
6	Cement concrete cube of mix M 25 , cast on 11/10/2021. For 2nd Lift of R /w Ch. 80-120m.	28 <sup>th</sup> day compressive strenath	303.55	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	1.81	Qty represents - 26.00 Cum.
			308.08	Kg/Cm <sup>2</sup>			
			274.10	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>295.24</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 M 25 , cast on 11/10/2021. For 2nd Lift of R /w Ch. 80-120m.	28 <sup>th</sup> day compressive strenath	317.14	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	4.93	Qty represents - 26.00 Cum.
			292.22	Kg/Cm <sup>2</sup>			
			303.55	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>304.30</b>			
8	Cement concrete cube of mix M 25 , cast on 24/10/2021. For 4th Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	305.81	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	4.93	Qty represents - 45.00 Cum for three sets of cubes.
			308.08	Kg/Cm <sup>2</sup>			
			299.01	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>304.30</b>			
9	Cement concrete cube of mix M 25 , cast on 24/10/2021. For 4th Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	292.22	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	4.15	----- do -----
			317.14	Kg/Cm <sup>2</sup>			
			296.75	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>302.03</b>			
10	Cement concrete cube of mix M 25 , cast on 24/10/2021. For 4th Lift of R/w Ch. 0 - 80 m	28 <sup>th</sup> day compressive strenath	296.75	Kg/Cm <sup>2</sup>	290.00 Kg/cm <sup>2</sup>	5.45	----- do -----
			303.55	Kg/Cm <sup>2</sup>			
			317.14	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>305.81</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