

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T : 5963,5964,5965,5966,6068,6069,6149,6150,6151/Lab/**290**/2022 - 23 Dated:- 23/02/2023.
6152,6207,6208,6225,6226.

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.246/2022-23/182. Dt.:- 27/01/2023

Qty. Recived. : 14 Sets of cube Date of Receipt:- 27/01/2023. Tested on: - 28/01/2023 & 06,12,18,20/02/2023. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M25 & 1:1.5:3** O.S No : 923,924/RK & 9999,10000,01,02,172,173,174,175,223,224,241,242/SS Lab. Sample No: 6012 to 6025

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 M25 , cast on 31/12/2022. For 4th Lift-Storage tank wall-Half part.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	10.14	Qty represents - 28.00 M3 for two sets of cube.
			308.08	Kg/Cm ²			
			332.99	Kg/Cm ²			
			Average	319.40			
2	Cement concrete cube of mix M25 , cast on 31/12/2022. For 4th Lift-Storage tank wall-Half part.	28 th day compressive strength	299.01	Kg/Cm ²	290.00 Kg/cm ²	4.93	-----do-----
			289.95	Kg/Cm ²			
			323.93	Kg/Cm ²			
			Average	304.30			
3	Cement concrete cube of mix 1:1.5:3 , cast on 31/12/2022. For Pipe Line Thrust block-4 Nos (G/M 800mm and G/M 450mm dia)	28 th day compressive strength	271.83	Kg/Cm ²	265.00 Kg/cm ²	4.00	Qty represents - 15.00 M3 for two sets of cube.
			262.77	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	275.61			
4	Cement concrete cube of mix 1:1.5:3 , cast on 31/12/2022. For Pipe Line Thrust block-4 Nos (G/M 800mm and G/M 450mm dia)	28 th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/cm ²	10.56	-----do-----
			294.48	Kg/Cm ²			
			303.55	Kg/Cm ²			
			Average	292.97			
5	Cement concrete cube of mix 1:1.5:3 , cast on 09/01/2023. For Pipe Line T/B - 4 Nos & A/B - 6 Nos (800mm and 500mm dia)	28 th day compressive strength	303.55	Kg/Cm ²	265.00 Kg/cm ²	18.25	Qty represents - 20.00 M3 for two sets of cube.
			314.87	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	313.36			

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 1:1.5:3 , cast on 09/01/2023. For Pipe Line T/B - 4 Nos & A/B - 6 Nos (800mm and 500mm dia)	28 th day compressive strength	269.57	Kg/Cm ²	265.00 Kg/cm ²	6.85	Qty represents - 20.00 M3 for two sets of cube.
			308.08	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	283.16	Kg/Cm²			
7	Cement concrete cube of mix M25 , cast on 15/01/2023. For 5th Lift-Storage tank wall-Half part.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	3.63	Qty represents - 24.00 M3 for two sets of cube.
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	300.52	Kg/Cm²			
8	Cement concrete cube of mix M25 , cast on 15/01/2023. For 5th Lift-Storage tank wall-Half part.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	5.45	-----do-----
			296.75	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
9	Cement concrete cube of mix 1:1.5:3 , cast on 15/01/2023. For Pipe Line T/B - 4 Nos & A/B - 9 Nos (R/M 800mm and G/M 500mm dia)	28 th day compressive strength	296.75	Kg/Cm ²	265.00 Kg/cm ²	11.70	Qty represents - 30.00 M3 for two sets of cube.
			299.01	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
10	Cement concrete cube of mix 1:1.5:3 , cast on 15/01/2023. For Pipe Line T/B - 4 Nos & A/B - 9 Nos (R/M 800mm and G/M 500mm dia)	28 th day compressive strength	312.61	Kg/Cm ²	265.00 Kg/cm ²	13.69	-----do-----
			301.28	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
11	Cement concrete cube of mix M25 , cast on 21/01/2023. For Pipe Line A/B - 7 Nos (R/M 800mm and AV Chamber)	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	2.85	Qty represents - 20.00 M3 for two sets of cube.
			310.34	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	298.26	Kg/Cm²			

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Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
12	Cement concrete cube of mix M25 , cast on 21/01/2023. For Pipe Line A/B - 7 Nos (R/M 800mm and AV Chamber)	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	3.37	Qty represents - 20.00 M3 for two sets of cube.
			301.28	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
13	Cement concrete cube of mix 1:1.5:3 , cast on 23/01/2023. For 6th Lift-Storage tank wall-Half part.	28 th day compressive strength	317.14	Kg/Cm ²	265.00 Kg/cm ²	14.83	Qty represents - 22.50 M3 for two sets of cube.
			292.22	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
14	Cement concrete cube of mix 1:1.5:3 , cast on 23/01/2023. For 6th Lift-Storage tank wall-Half part.	28 th day compressive strength	305.81	Kg/Cm ²	265.00 Kg/cm ²	8.28	-----do-----
			283.16	Kg/Cm ²			
			271.83	Kg/Cm ²			
		Average	286.93	Kg/Cm²			

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

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer