

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T : 5489,5490,5491,5492,5493,5494,5512,5513,5519/Lab/222/2022 - 23 Dated:- 02/01/2023.
5520,5525, 5526,5530,5531.

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.246/2022-23/140. Dt.:- 29/11/2022

Qty. Recived. : 14 Sets of cube Date of Receipt:- 30/11/2022. Tested on: - 03,12,15,17 & 18/12/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-25 & 1:1.5:3** O.S No : 9502,9503,9504,9505,9506,9507,9551,9552,9567,9568,9574,9575,9581 & 9582/SS Lab. Sample No: 5410 to 5423 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	2.07	Qty represents - 86.00 M3 for Six sets of cube.
			310.34	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
2	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	1.81	-----do-----
			305.81	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
3	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	4.41	-----do-----
			314.87	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	302.79	Kg/Cm²			
4	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	2.85	-----do-----
			317.14	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
5	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	2.85	-----do-----
			301.28	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
6	Cement concrete cube of mix M25 , cast on 05/11/2022. For F.F. Slab @ 28.35 lvl, Beam Pump Room & Columns.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	2.07	-----do-----
			285.42	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	295.99	Kg/Cm²			

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 1:1.5:3 , cast on 14/11/2022. For Pipe line Thrust block – 7 Nos (800mm and 450mm dia).	28 th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/cm ²	1.15	Qty represents -36.00 M3 for Two sets of cube.
			255.97	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	268.06	Kg/Cm²			
8	Cement concrete cube of mix 1:1.5:3 , cast on 14/11/2022. For Pipe line Thrust block – 7 Nos (800mm and 450mm dia).	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	1.44	-----do-----
			260.51	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	268.81	Kg/Cm²			
9	Cement concrete cube of mix M25 , cast on 17/11/2022. For Columns for roof slab (300*500) & (450*450) - 25 Nos 1st Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	1.81	Qty represents -16.00 M3 for Two sets of cube.
			276.36	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
10	Cement concrete cube of mix M25 , cast on 17/11/2022. For Columns for roof slab (300*500) & (450*450) - 25 Nos 1st Lift.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	3.37	-----do-----
			289.95	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
11	Cement concrete cube of mix M25 , cast on 19/11/2022. For Columns for roof slab (300*500) & (450*450) - 18 Nos 2nd Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	3.11	Qty represents -9.00 M3 for Two sets of cube.
			308.08	Kg/Cm ²			
			296.75	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
12	Cement concrete cube of mix M25 , cast on 19/11/2022. For Columns for roof slab (300*500) & (450*450) - 18 Nos 2nd Lift.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	4.67	-----do-----
			289.95	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	303.55	Kg/Cm²			

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
13	Cement concrete cube of mix 1:1.5:3 , cast on 20/11/2022. For Pipe line Thrust block – 5 Nos (800mm and 450mm dia).	28 th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	5.43	Qty represents -28.00 M3 for Two sets of cube.
			283.16	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	279.38	Kg/Cm²			
14	Cement concrete cube of mix 1:1.5:3 , cast on 20/11/2022. For Pipe line Thrust block – 5 Nos (800mm and 450mm dia).	28 th day compressive strength	255.97	Kg/Cm ²	265.00 Kg/cm ²	4.29	-----do-----
			292.22	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	276.36	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