

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/Q / F. / Cube -T :- 5372 To 5374, 5387,5388,5391 To 5393,/ Lab / 181/ 2022 - 23 Dated:- 27/10/2022. Laboratory : Bicholim - Goa.
5398 To 5400,5409,5410,5412 & 5413. 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.246/2022-23/109 dated :-28/ 09/ 2022.

Qty. Recived. : 15 Sets of cubes Date of Receipt:- 30/09/2022 Tested on: - 30/09/2022 & 11,14,19,23 & 24/10/2022 Ref to CPWD :2009, Vol. I

Sample: Cube **Mix M-25** O.S No: 9336,5338,9361,9362,9376,9377,9378,9386,9387,9388,9401,9402,9404 & 9405/SS Lab. Sample No: 5243 To 5257 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 02/09/2022. For G.F Slab @ 23.20 lvl, Beam Pump Room & Columns.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	3.11	Qty represents - 49.00 m3 for Three sets of cube.
			305.81	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
2	Cement concrete cube of mix M-25 , cast on 02/09/2022. For G.F Slab @ 23.20 lvl, Beam Pump Room & Columns.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	4.67	---
			308.08	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
3	Cement concrete cube of mix M-25 , cast on 02/09/2022. For G.F Slab @ 23.20 lvl, Beam Pump Room & Columns.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	3.63	---
			310.34	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	300.52	Kg/Cm²			
4	Cement concrete cube of mix M-25 , cast on 13/09/2022. For B.P.T. Raft, 4 No of Column Footing, 4 No Column.	28 th day compressive strength	301.28	Kg/Cm ²	290.00 Kg/cm ²	6.75	Qty represents - 20.00 m3 for Two sets of cube.
			310.34	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	309.59	Kg/Cm²			
5	Cement concrete cube of mix M-25 , cast on 13/09/2022. For B.P.T. Raft, 4 No of Column Footing, 4 No Column.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	2.07	---
			303.55	Kg/Cm ²			
			296.75	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
6	Cement concrete cube of mix M-25 , cast on 16/09/2022. For Beam of slab @ 24.20 lvl, Columns & 7th Lift tank Wall.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	2.33	Qty represents - 41.00 m3 for Three sets of cube.
			292.22	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	296.75			
7	Cement concrete cube of mix M-25 , cast on 16/09/2022. For Beam of slab @ 24.20 lvl, Columns & 7th Lift tank Wall.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	4.67	---
			321.67	Kg/Cm ²			
			301.28	Kg/Cm ²			
			Average	303.55			
8	Cement concrete cube of mix M-25 , cast on 16/09/2022. For Beam of slab @ 24.20 lvl, Columns & 7th Lift tank Wall.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	8.32	---
			317.14	Kg/Cm ²			
			319.40	Kg/Cm ²			
			Average	314.12			
9	Cement concrete cube of mix M-25 , cast on 21/09/2022. For B.P.T Wall 1st Lift, Plinth Beam.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	5.97	Qty represents - 53.00 m3 for Three sets of cube.
			317.14	Kg/Cm ²			
			323.93	Kg/Cm ²			
			Average	307.32			
10	Cement concrete cube of mix M-25 , cast on 21/09/2022. For B.P.T Wall 1st Lift, Plinth Beam.	28 th day compressive strength	312.61	Kg/Cm ²	290.00 Kg/cm ²	10.40	---
			328.46	Kg/Cm ²			
			319.40	Kg/Cm ²			
			Average	320.16			
11	Cement concrete cube of mix M-25 , cast on 21/09/2022. For B.P.T Wall 1st Lift, Plinth Beam.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	7.01	---
			310.34	Kg/Cm ²			
			314.87	Kg/Cm ²			
			Average	310.34			
12	Cement concrete cube of mix M-25 , cast on 25/09/2022. For B.P.T Wall 2nd Lift, Plinth Beams and Columns.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	8.06	Qty represents - 20.00 m3 for Two sets of cube.
			312.61	Kg/Cm ²			
			317.14	Kg/Cm ²			
			Average	313.36			

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Cement concrete cube of mix M-25 , cast on 25/09/2022. For B.P.T Wall 2nd Lift, Plinth Beams and Columns.	28 th day compressive strength	278.63	Kg/Cm ²	290.00 Kg/cm ²	2.33	Qty represents - 20.00 m3 for Two sets of cube.
			294.48	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
14	Cement concrete cube of mix M-25 , cast on 26/09/2022. For Slab @ 24.20 lvl, Pump Foundations and Plinth Beams.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	4.67	Qty represents - 30.00 m3 for Two sets of cube.
			312.61	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
15	Cement concrete cube of mix M-25 , cast on 26/09/2022. For Slab @ 24.20 lvl, Pump Foundations and Plinth Beams.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	4.93	---
			292.22	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	304.30	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 , W.D VIII , WRD, Karaswada Bardez - Goa.

4. QC Lab File. 5. Bill File.

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