

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 5826 To 5830, 5836 To 5840/Lab/270/2022 - 23 Dated:- 08/02/2023.

Laboratory : Bicholim - Goa.

5853 To 5857, 5862 To 5866, 5871 To 5875, 5883 To 5887, 5892 To 5896, 5906 To 5910, 5913 To 5917, 5923 To 5926.

Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Rejuvenation of St.Inez nallah-Improvement to Hydrodynamics, water quality and Stabilization of banks,under Smart City Mission.

Ref. to Requisition No : SDIV/WDI /WRD/F.38/2022-23/588 Dt.:- 02/01/2023

Qty. Recived. : 50 Sets of cube Date of Receipt:- 04/01/2023. Tested on: 16,17,18,19,20,21,23,24,25,26/01/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-25** O.S No: 9843,9844,9845,9846,9847,9856,9857,9858,9859,9860,9874,9875,9876,9877,9878,9887,9888,9889,9890,9891,9898,9899,9900,9901,9902,9913, 9914,9915,9916,9917,9923,9924,9925,9926,9927,9937,9938,9939,9940,9941,9947,9948,9949,9950,9951,9957,9958,9959,9960,9961/SS.

Lab. Sample No: 5702 to 5751 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 M-25 , cast on 19/12/2022. for Gaurav Side fd.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	3.89	Qty represents - 81.00 M3 for five sets of cube.
			308.08	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
2	Cement concrete cube of mix M-25 , cast on 19/12/2022. for Gaurav Side fd.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	2.85	---do--
			305.81	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
3	Cement concrete cube of mix M-25 , cast on 19/12/2022. for Gaurav Side fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	4.93	---do--
			305.81	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
4	Cement concrete cube of mix M-25 , cast on 19/12/2022. for Gaurav Side fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	2.59	---do--
			292.22	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	297.50	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
5	Cement concrete cube of mix M-25 , cast on 19/12/2022. for Gaurav Side fd.	28 th day compressive strength	299.01	Kq/Cm ²	290.00 Kg/cm ²	1.81	Qty represents - 81.00 M3 for five sets of cube.
			296.75	Kq/Cm ²			
			289.95	Kq/Cm ²			
		Average	295.24	Kq/Cm²			
6	Cement concrete cube of mix M-25 , cast on 20/12/2022. for Gaurav Side fd.	28 th day compressive strength	287.69	Kq/Cm ²	290.00 Kg/cm ²	2.07	Qty represents - 85.00 M3 for five sets of cube.
			303.55	Kq/Cm ²			
			296.75	Kq/Cm ²			
		Average	295.99	Kq/Cm²			
7	Cement concrete cube of mix M-25 , cast on 20/12/2022. for Gaurav Side fd.	28 th day compressive strength	296.75	Kq/Cm ²	290.00 Kg/cm ²	1.55	---do--
			303.55	Kq/Cm ²			
			283.16	Kq/Cm ²			
		Average	294.48	Kq/Cm²			
8	Cement concrete cube of mix M-25 , cast on 20/12/2022. for Gaurav Side fd.	28 th day compressive strength	289.95	Kq/Cm ²	290.00 Kg/cm ²	2.59	---do--
			310.34	Kq/Cm ²			
			292.22	Kq/Cm ²			
		Average	297.50	Kq/Cm²			
9	Cement concrete cube of mix M-25 , cast on 20/12/2022. for Gaurav Side fd.	28 th day compressive strength	308.08	Kq/Cm ²	290.00 Kg/cm ²	4.93	---do--
			314.87	Kq/Cm ²			
			289.95	Kq/Cm ²			
		Average	304.30	Kq/Cm²			
10	Cement concrete cube of mix M-25 , cast on 20/12/2022. for Gaurav Side fd.	28 th day compressive strength	292.22	Kq/Cm ²	290.00 Kg/cm ²	2.85	---do--
			308.08	Kq/Cm ²			
			294.48	Kq/Cm ²			
		Average	298.26	Kq/Cm²			
11	Cement concrete cube of mix M-25 , cast on 21/12/2022. for Behind Barack 3rd Lift. Gaurav side 1st Lift.	28 th day compressive strength	289.95	Kq/Cm ²	290.00 Kg/cm ²	2.85	Qty represents - 73.00 M3 for five sets of cube.
			310.34	Kq/Cm ²			
			294.48	Kq/Cm ²			
		Average	298.26	Kq/Cm²			
12	Cement concrete cube of mix M-25 , cast on 21/12/2022. for Behind Barack 3rd Lift. Gaurav side 1st Lift.	28 th day compressive strength	292.22	Kq/Cm ²	290.00 Kg/cm ²	4.15	---do--
			305.81	Kq/Cm ²			
			308.08	Kq/Cm ²			
		Average	302.03	Kq/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
13	Cement concrete cube of mix M-25 , cast on 21/12/2022. for Behind Barack 3rd Lift. Gaurav side 1st Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	3.37	Qty represents - 73.00 M3 for five sets of cube.
			289.95	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
14	Cement concrete cube of mix M-25 , cast on 21/12/2022. for Behind Barack 3rd Lift. Gaurav side 1st Lift.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	1.29	---do--
			292.22	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
15	Cement concrete cube of mix M-25 , cast on 21/12/2022. for Behind Barack 3rd Lift. Gaurav side 1st Lift.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	2.07	---do--
			303.55	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
16	Cement concrete cube of mix M-25 , cast on 22/12/2022. for Gaurav side 1st Lift. Fire New building upto bridge fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	3.11	Qty represents - 83.00 M3 for five sets of cube.
			314.87	Kg/Cm ²			
			287.69	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
17	Cement concrete cube of mix M-25 , cast on 22/12/2022. for Gaurav side 1st Lift. Fire New building upto bridge fd.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do--
			292.22	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
18	Cement concrete cube of mix M-25 , cast on 22/12/2022. for Gaurav side 1st Lift. Fire New building upto bridge fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	2.59	---do--
			303.55	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
19	Cement concrete cube of mix M-25 , cast on 22/12/2022. for Gaurav side 1st Lift. Fire New building upto bridge fd.	28 th day compressive strength	312.61	Kg/Cm ²	290.00 Kg/cm ²	2.07	---do--
			283.16	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	295.99	Kg/Cm²			
20	Cement concrete cube of mix M-25 , cast on 22/12/2022. for Gaurav side 1st Lift. Fire New building upto bridge fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	1.55	---do--
			292.22	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	294.48	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
21	Cement concrete cube of mix M-25 , cast on 23/12/2022. for Fire New building upto bridge 1st Lift/Behind Kamat Side fd.	28 th day compressive strength	310.34	Kq/Cm ²	290.00 Kg/cm ²	5.97	Qty represents - 78.00 M3 for five sets of cube.
			305.81	Kq/Cm ²			
			305.81	Kq/Cm ²			
			Average	307.32			
22	Cement concrete cube of mix M-25 , cast on 23/12/2022. for Fire New building upto bridge 1st Lift/Behind Kamat Side fd.	28 th day compressive strength	283.16	Kq/Cm ²	290.00 Kg/cm ²	2.33	---do--
			296.75	Kq/Cm ²			
			310.34	Kq/Cm ²			
			Average	296.75			
23	Cement concrete cube of mix M-25 , cast on 23/12/2022. for Fire New building upto bridge 1st Lift/Behind Kamat Side fd.	28 th day compressive strength	292.22	Kq/Cm ²	290.00 Kg/cm ²	2.07	---do--
			303.55	Kq/Cm ²			
			292.22	Kq/Cm ²			
			Average	295.99			
24	Cement concrete cube of mix M-25 , cast on 23/12/2022. for Fire New building upto bridge 1st Lift/Behind Kamat Side fd.	28 th day compressive strength	312.61	Kq/Cm ²	290.00 Kg/cm ²	3.11	---do--
			303.55	Kq/Cm ²			
			280.89	Kq/Cm ²			
			Average	299.01			
25	Cement concrete cube of mix M-25 , cast on 23/12/2022. for Fire New building upto bridge 1st Lift/Behind Kamat Side fd.	28 th day compressive strength	305.81	Kq/Cm ²	290.00 Kg/cm ²	1.81	---do--
			289.95	Kq/Cm ²			
			289.95	Kq/Cm ²			
			Average	295.24			
26	Cement concrete cube of mix M-25 , cast on 24/12/2022. for Behind Kamat Side fd.	28 th day compressive strength	296.75	Kq/Cm ²	290.00 Kg/cm ²	2.85	Qty represents - 87.00 M3 for five sets of cube.
			303.55	Kq/Cm ²			
			294.48	Kq/Cm ²			
			Average	298.26			
27	Cement concrete cube of mix M-25 , cast on 24/12/2022. for Behind Kamat Side fd.	28 th day compressive strength	283.16	Kq/Cm ²	290.00 Kg/cm ²	3.63	---do--
			305.81	Kq/Cm ²			
			312.61	Kq/Cm ²			
			Average	300.52			
28	Cement concrete cube of mix M-25 , cast on 24/12/2022. for Behind Kamat Side fd.	28 th day compressive strength	299.01	Kq/Cm ²	290.00 Kg/cm ²	1.29	---do--
			292.22	Kq/Cm ²			
			289.95	Kq/Cm ²			
			Average	293.73			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
29	Cement concrete cube of mix M-25 , cast on 24/12/2022. for Behind Kamat Side fd.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	7.01	Qty represents - 87.00 M3 for five sets of cube.
			310.34	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	310.34	Kg/Cm²			
30	Cement concrete cube of mix M-25 , cast on 24/12/2022. for Behind Kamat Side fd.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	1.55	---do--
			289.95	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
31	Cement concrete cube of mix M-25 , cast on 26/12/2022. for Behind Kamat Side fd. Fire New building upto bridge 2nd Lift. Kamat Side 1st Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	0.77	Qty represents - 71.00 M3 for five sets of cube.
			299.01	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	292.22	Kg/Cm²			
32	Cement concrete cube of mix M-25 , cast on 26/12/2022. for Behind Kamat Side fd. Fire New building upto bridge 2nd Lift. Kamat Side 1st Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	3.89	---do--
			312.61	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
33	Cement concrete cube of mix M-25 , cast on 26/12/2022. for Behind Kamat Side fd. Fire New building upto bridge 2nd Lift. Kamat Side 1st Lift.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do--
			305.81	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
34	Cement concrete cube of mix M-25 , cast on 26/12/2022. for Behind Kamat Side fd. Fire New building upto bridge 2nd Lift. Kamat Side 1st Lift.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	3.11	---do--
			299.01	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
35	Cement concrete cube of mix M-25 , cast on 26/12/2022. for Behind Kamat Side fd. Fire New building upto bridge 2nd Lift. Kamat Side 1st Lift.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	5.97	---do--
			310.34	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	307.32	Kg/Cm²			

Junior Engineer

Assistant Engineer

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36	Cement concrete cube of mix M-25 , cast on 27/12/2022. for Kamat Side 1st Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	1.29	Qty represents - 76.00 M3 for five sets of cube.
			303.55	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
37	Cement concrete cube of mix M-25 , cast on 27/12/2022. for Kamat Side 1st Lift.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	3.89	---do--
			308.08	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
38	Cement concrete cube of mix M-25 , cast on 27/12/2022. for Kamat Side 1st Lift.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	1.55	---do--
			292.22	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
39	Cement concrete cube of mix M-25 , cast on 27/12/2022. for Kamat Side 1st Lift.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	3.11	---do--
			292.22	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
40	Cement concrete cube of mix M-25 , cast on 27/12/2022. for Kamat Side 1st Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	1.29	---do--
			303.55	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	293.73	Kg/Cm²			
41	Cement concrete cube of mix M-25 , cast on 28/12/2022. for Gaurav side 2nd Lift. Behind Rosselle building fd.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 57.00 M3 for five sets of cube.
			308.08	Kg/Cm ²			
			280.89	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
42	Cement concrete cube of mix M-25 , cast on 28/12/2022. for Gaurav side 2nd Lift. Behind Rosselle building fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do--
			289.95	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
43	Cement concrete cube of mix M-25 , cast on 28/12/2022. for Gaurav side 2nd Lift. Behind Rosselle building fd.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	2.85	---do--
			292.22	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	298.26	Kg/Cm²			

Junior Engineer

Assistant Engineer

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44	Cement concrete cube of mix M-25 , cast on 28/12/2022. for Gaurav side 2nd Lift. Behind Rosselle building fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	4.41	Qty represents - 57.00 M3 for five sets of cube.
			299.01	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	302.79	Kg/Cm²			
45	Cement concrete cube of mix M-25 , cast on 28/12/2022. for Gaurav side 2nd Lift. Behind Rosselle building fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	3.89	---do--
			305.81	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
46	Cement concrete cube of mix M-25 , cast on 29/12/2022. for Fire New building upto bridge 3rd Lift. Behind T.R Residency building fd.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 72.00 M3 for five sets of cube.
			303.55	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
47	Cement concrete cube of mix M-25 , cast on 29/12/2022. for Fire New building upto bridge 3rd Lift. Behind T.R Residency building fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	3.63	---do--
			310.34	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	300.52	Kg/Cm²			
48	Cement concrete cube of mix M-25 , cast on 29/12/2022. for Fire New building upto bridge 3rd Lift. Behind T.R Residency building fd.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	2.33	---do--
			292.22	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
49	Cement concrete cube of mix M-25 , cast on 29/12/2022. for Fire New building upto bridge 3rd Lift. Behind T.R Residency building fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	4.15	---do--
			308.08	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
50	Cement concrete cube of mix M-25 , cast on 29/12/2022. for Fire New building upto bridge 3rd Lift. Behind T.R Residency building fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	3.63	---do--
			303.55	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	300.52	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD IV , WD I, WRD, Porvorim- 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 I, WRD, Porvorim- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer