

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 6516 To 6518, 6526 To 6530/Lab/34/2023 - 24 Dated:- 28/04/2023.
6544 To 6547, 6552 To 6559, 6617 To 6620, 6628 To 6631, 6646 To 6649, 6657,6658, 6666 To 6669, 6677 To 6679,
6692 To 6695, 6710 to 6713, 6724 to 6727.

Laboratory : Bicholim - Goa.
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.38/2022-23/729 Dt.:- 28/03/2023

Qty. Recived. : 53 Sets of cube Date of Receipt:- 29/03/2023.

Tested on: 29,30 & 31/03/2023 & 01,10,11,13,15,17,18,20,22 & 24/04/2023. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-25 & 1:1.5:3** O.S No: 1032,1033,1034,1041,1042,1043,1044,1045,1046,1047,1048,1071,1072,1073,1085,1086,1087,1088,1097,1098,1099,1100/RK. &
534,535,536,537,538,553,554,555,556,613,614,615,616,624,625,626,627,652,653,661,662,663,664,674,675,676,704,705,706,707/SS

Lab. Sample No: 6628 to 6680 Tested By: Mrs. R.R. Kadam A.E. & Mrs. S. B. Naik Shirodkar J.E.

Cube test witnessed by Shri Raju Napals representative by agency M/s. PRN Infratech, Civil Contractors, "PRAKALPA", 34, Brindavan Layout, Vidyanagar, Hubli-580021,
Karnataka On 29/03/2023.

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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 01/03/2023. for U/S RHS Camrabhat IInd Lift. U/S LHS Camrabhat IIIrd Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	1.81	Qty represents - 21.00 M3 for three sets of cube.
			303.55	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
2	Cement concrete cube of mix M-25 , cast on 01/03/2023. for U/S RHS Camrabhat IInd Lift. U/S LHS Camrabhat IIIrd Lift.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	3.11	---do--
			294.48	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
3	Cement concrete cube of mix M-25 , cast on 01/03/2023. for U/S RHS Camrabhat IInd Lift. U/S LHS Camrabhat IIIrd Lift.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	2.33	---do--
			285.42	Kg/Cm ²			
			301.28	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
4	Cement concrete cube of mix M-25 , cast on 02/03/2023. for Russel Bld Ist Lift. Vales Internal nallah fd PWD fd.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	2.07	Qty represents - 79.00 M3 for five sets of cube.
			294.48	Kg/Cm ²			
			312.61	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
5	Cement concrete cube of mix M-25 , cast on 02/03/2023. for Russel Bld Ist Lift. Vales Internal nallah fd PWD fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	4.41	Qty represents - 79.00 M3 for five sets of cube.
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	302.79	Kg/Cm²			
6	Cement concrete cube of mix M-25 , cast on 02/03/2023. for Russel Bld Ist Lift. Vales Internal nallah fd PWD fd.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	2.59	---do--
			303.55	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
7	Cement concrete cube of mix M-25 , cast on 02/03/2023. for Russel Bld Ist Lift. Vales Internal nallah fd PWD fd.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	4.93	---do--
			296.75	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
8	Cement concrete cube of mix M-25 , cast on 02/03/2023. for Russel Bld Ist Lift. Vales Internal nallah fd PWD fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	2.85	---do--
			312.61	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
9	Cement concrete cube of mix M-25 , cast on 03/03/2023. for Russel Bld IInd Lift. Vales Ist Lift. PWD 1st Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	3.11	Qty represents - 46.00 M3 for four sets of cube.
			294.48	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	299.01	Kg/Cm²			
10	Cement concrete cube of mix M-25 , cast on 03/03/2023. for Russel Bld IInd Lift. Vales Ist Lift. PWD 1st Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	2.85	---do--
			296.75	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	298.26	Kg/Cm²			
11	Cement concrete cube of mix M-25 , cast on 03/03/2023. for Russel Bld IInd Lift. Vales Ist Lift. PWD 1st Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	8.06	---do--
			312.61	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	313.36	Kg/Cm²			
12	Cement concrete cube of mix M-25 , cast on 03/03/2023. for Russel Bld IInd Lift. Vales Ist Lift. PWD 1st Lift.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	1.29	---do--
			292.22	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	293.73	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
13	Cement concrete cube of mix M-25 , cast on 04/03/2023. for Models Exotica IIIrd Lift & IIInd Lift. Bonita Appt. IIInd Lift.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	2.85	Qty represents - 53.00 M3 for five sets of cube.
			305.81	Kg/Cm ²			
			303.55	Kg/Cm ²			
			Average	298.26			
14	Cement concrete cube of mix M-25 , cast on 04/03/2023. for Models Exotica IIIrd Lift & IIInd Lift. Bonita Appt. IIInd Lift.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do--
			296.75	Kg/Cm ²			
			299.01	Kg/Cm ²			
			Average	295.24			
15	Cement concrete cube of mix M-25 , cast on 04/03/2023. for Models Exotica IIIrd Lift & IIInd Lift. Bonita Appt. IIInd Lift.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	3.37	---do--
			287.69	Kg/Cm ²			
			303.55	Kg/Cm ²			
			Average	299.77			
16	Cement concrete cube of mix M-25 , cast on 04/03/2023. for Models Exotica IIIrd Lift & IIInd Lift. Bonita Appt. IIInd Lift.	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			
17	Cement concrete cube of mix M-25 , cast on 04/03/2023. for Models Exotica IIIrd Lift & IIInd Lift. Bonita Appt. IIInd Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	2.33	---do--
			289.95	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	296.75			
18	Cement concrete cube of mix 1:1.5:3 , cast on 04/03/2023. for Barrage Slab.	28 th day compressive strength	262.77	Kg/Cm ²	265.00 Kg/cm ²	5.71	Qty represents - 18.00 M3 for three sets of cube.
			283.16	Kg/Cm ²			
			294.48	Kg/Cm ²			
			Average	280.14			
19	Cement concrete cube of mix 1:1.5:3 , cast on 04/03/2023. for Barrage Slab.	28 th day compressive strength	278.63	Kg/Cm ²	265.00 Kg/cm ²	6.28	---do--
			294.48	Kg/Cm ²			
			271.83	Kg/Cm ²			
			Average	281.65			
20	Cement concrete cube of mix 1:1.5:3 , cast on 04/03/2023. for Barrage Slab.	28 th day compressive strength	260.51	Kg/Cm ²	265.00 Kg/cm ²	5.14	---do--
			285.42	Kg/Cm ²			
			289.95	Kg/Cm ²			
			Average	278.63			

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 13/03/2023. for Extra portion wall near sewage fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 32.00 M3 for four sets of cube.
			294.48	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	297.50			
22	Cement concrete cube of mix M-25 , cast on 13/03/2023. for Extra portion wall near sewage fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	2.07	---do--
			289.95	Kg/Cm ²			
			301.28	Kg/Cm ²			
			Average	295.99			
23	Cement concrete cube of mix M-25 , cast on 13/03/2023. for Extra portion wall near sewage fd.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	1.55	---do--
			305.81	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	294.48			
24	Cement concrete cube of mix M-25 , cast on 13/03/2023. for Extra portion wall near sewage fd.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	3.63	---do--
			308.08	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	300.52			
25	Cement concrete cube of mix M-25 , cast on 14/03/2023. for Extra portion wall near sewage 1st Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	5.71	Qty represents - 32.00 M3 for four sets of cube.
			305.81	Kg/Cm ²			
			303.55	Kg/Cm ²			
			Average	306.57			
26	Cement concrete cube of mix M-25 , cast on 14/03/2023. for Extra portion wall near sewage 1st Lift.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	3.89	---do--
			301.28	Kg/Cm ²			
			308.08	Kg/Cm ²			
			Average	301.28			
27	Cement concrete cube of mix M-25 , cast on 14/03/2023. for Extra portion wall near sewage 1st Lift.	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			
28	Cement concrete cube of mix M-25 , cast on 14/03/2023. for Extra portion wall near sewage 1st Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	2.33	---do--
			294.48	Kg/Cm ²			
			312.61	Kg/Cm ²			
			Average	296.75			

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 16/03/2023. for Models Exotica IIIrd Lift. PWD IIInd Lift. Rossel IIInd Lift Bonita Appt. III Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	4.15	Qty represents - 47.00 M3 for four sets of cube.
			310.34	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
30	Cement concrete cube of mix M-25 , cast on 16/03/2023. for Models Exotica IIIrd Lift. PWD IIInd Lift. Rossel IIInd Lift Bonita Appt. III Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	4.67	---do--
			305.81	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
31	Cement concrete cube of mix M-25 , cast on 16/03/2023. for Models Exotica IIIrd Lift. PWD IIInd Lift. Rossel IIInd Lift Bonita Appt. III Lift.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do--
			294.48	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	295.24	Kg/Cm²			
32	Cement concrete cube of mix M-25 , cast on 16/03/2023. for Models Exotica IIIrd Lift. PWD IIInd Lift. Rossel IIInd Lift Bonita Appt. III Lift.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	1.55	---do--
			287.69	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	294.48	Kg/Cm²			
33	Cement concrete cube of mix M-25 , cast on 18/03/2023. for U/S of Gaunekar bld. to mobile shop IIInd Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 15.00 M3 for two sets of cube.
			292.22	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
34	Cement concrete cube of mix M-25 , cast on 18/03/2023. for U/S of Gaunekar bld. to mobile shop IIInd Lift.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	6.49	---do--
			305.81	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	308.83	Kg/Cm²			
35	Cement concrete cube of mix M-25 , cast on 20/03/2023. for Vero fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	4.93	Qty represents - 47.00 M3 for four sets of cube.
			308.08	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	304.30	Kg/Cm²			

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Assistant Engineer

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36	Cement concrete cube of mix M-25 , cast on 20/03/2023. for Vero fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	3.37	Qty represents - 47.00 M3 for four sets of cube.
			299.01	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	299.77	Kg/Cm²			
37	Cement concrete cube of mix M-25 , cast on 20/03/2023. for Vero fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	6.49	---do--
			308.08	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	308.83	Kg/Cm²			
38	Cement concrete cube of mix M-25 , cast on 20/03/2023. for Vero fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	4.67	---do--
			305.81	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
39	Cement concrete cube of mix M-25 , cast on 21/03/2023. for Vero fd. Vales IInd Lift bend PCC.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	3.89	Qty represents - 21.00 M3 for three sets of cube.
			303.55	Kg/Cm ²			
			310.34	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
40	Cement concrete cube of mix M-25 , cast on 21/03/2023. for Vero fd. Vales IInd Lift bend PCC.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	4.93	---do--
			294.48	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
41	Cement concrete cube of mix M-25 , cast on 21/03/2023. for Vero fd. Vales IInd Lift bend PCC.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	4.67	---do--
			310.34	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
42	Cement concrete cube of mix M-25 , cast on 23/03/2023. for Vero fd.	28 th day compressive strength	308.08	Kg/Cm ²	290.00 Kg/cm ²	6.49	Qty represents - 49.00 M3 for four sets of cube.
			314.87	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	308.83	Kg/Cm²			
43	Cement concrete cube of mix M-25 , cast on 23/03/2023. for Vero fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	1.03	---do--
			283.16	Kg/Cm ²			
			303.55	Kg/Cm ²			
		Average	292.97	Kg/Cm²			

Junior Engineer

Assistant Engineer

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44	Cement concrete cube of mix M-25 , cast on 23/03/2023. for Vero fd.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 49.00 M3 for four sets of cube.
			296.75	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
45	Cement concrete cube of mix M-25 , cast on 23/03/2023. for Vero fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	2.33	---do--
			287.69	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	296.75	Kg/Cm²			
46	Cement concrete cube of mix M-25 , cast on 25/03/2023. for Vero Ist Lift.	28 th day compressive strength	303.55	Kg/Cm ²	290.00 Kg/cm ²	2.59	Qty represents - 36.00 M3 for four sets of cube.
			296.75	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	297.50	Kg/Cm²			
47	Cement concrete cube of mix M-25 , cast on 25/03/2023. for Vero Ist Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	3.89	---do--
			312.61	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	301.28	Kg/Cm²			
48	Cement concrete cube of mix M-25 , cast on 25/03/2023. for Vero Ist Lift.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	4.41	---do--
			308.08	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	302.79	Kg/Cm²			
49	Cement concrete cube of mix M-25 , cast on 25/03/2023. for Vero Ist Lift.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	5.45	---do--
			294.48	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	305.81	Kg/Cm²			
50	Cement concrete cube of mix M-25 , cast on 27/03/2023. for Vero Ist Lift. U/S of Gaunekar bld. to mobile shop Illrd Lift.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	3.37	Qty represents - 39.00 M3 for four sets of cube.
			303.55	Kg/Cm ²			
			308.08	Kg/Cm ²			
		Average	299.77	Kg/Cm²			

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51	Cement concrete cube of mix M-25 , cast on 27/03/2023. for Vero Ist Lift. U/S of Gaunekar bld. to mobile shop Illrd Lift.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	4.67	Qty represents - 39.00 M3 for four sets of cube.
			308.08	Kg/Cm ²			
			314.87	Kg/Cm ²			
		Average	303.55	Kg/Cm²			
52	Cement concrete cube of mix M-25 , cast on 27/03/2023. for Vero Ist Lift. U/S of Gaunekar bld. to mobile shop Illrd Lift.	28 th day compressive strength	301.28	Kg/Cm ²	290.00 Kg/cm ²	3.63	---do--
			305.81	Kg/Cm ²			
			294.48	Kg/Cm ²			
		Average	300.52	Kg/Cm²			
53	Cement concrete cube of mix M-25 , cast on 27/03/2023. for Vero Ist Lift. U/S of Gaunekar bld. to mobile shop Illrd Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	4.41	---do--
			312.61	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	302.79	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDIV, WDI, 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, WDI, WRD, Porvorim- Goa.

4. QC Lab File. 5. Bill File.

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