

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7072 to 7076, 7085 to 7088/Lab/91/2023 - 24 Dated:- 09/06/2023. Laboratory : Bicholim - Goa.
7093 to 7097, 7103 to 7107, 7114 to 7118, 7126 to 7130. 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.38/2022-23/97 Dt :- 19/05/2023

Qty. Recived : 29 Sets of cube Date of Receipt:- 31/05/2023. Tested on: 31/05/2023 & 01,02,03,04,05/06/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **M-25** O.S No: 1370,1371,1372,1373,1374,1383,1384,1385,1386,1391,1392,1393,1394,1395,1401,1402,1403,1404,1405,1412,1413,1414,1415,1416,1424,1425, 1426,1427,1428/RK. Lab. Sample No: 7253 to 7281 Tested By : Mrs. R.R. Kadam A.E.

REPORT PAGE 01 OF 04

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 03/05/2023. for Nunes fd.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	1.55	Qty represents - 95.00 M3 for five sets of cube.
			287.69	Kg/Cm ²			
			301.28	Kg/Cm ²			
			Average	294.48			
2	Cement concrete cube of mix M-25 , cast on 03/05/2023. for Nunes fd.	28 th day compressive strength	296.75	Kg/Cm ²	290.00 Kg/cm ²	1.81	---do---
			303.55	Kg/Cm ²			
			285.42	Kg/Cm ²			
			Average	295.24			
3	Cement concrete cube of mix M-25 , cast on 03/05/2023. for Nunes fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	5.19	---do---
			312.61	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	305.06			
4	Cement concrete cube of mix M-25 , cast on 03/05/2023. for Nunes fd.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	3.63	---do---
			289.95	Kg/Cm ²			
			296.75	Kg/Cm ²			
			Average	300.52			
5	Cement concrete cube of mix M-25 , cast on 03/05/2023. for Nunes fd.	28 th day compressive strength	285.42	Kg/Cm ²	290.00 Kg/cm ²	5.45	---do---
			317.14	Kg/Cm ²			
			314.87	Kg/Cm ²			
			Average	305.81			

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REPORT PAGE 02 OF 04

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 04/05/2023. for Peter bhat near Dukle Heaven fd.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	4.93	Qty represents - 44.00 M3 for four sets of cube.
			310.34	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	304.30	Kg/Cm²			
7	Cement concrete cube of mix M-25 , cast on 04/05/2023. for Peter bhat near Dukle Heaven fd.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	4.15	---do---
			285.42	Kg/Cm ²			
			305.81	Kg/Cm ²			
		Average	302.03	Kg/Cm²			
8	Cement concrete cube of mix M-25 , cast on 04/05/2023. for Peter bhat near Dukle Heaven fd.	28 th day compressive strength	321.67	Kg/Cm ²	290.00 Kg/cm ²	7.01	---do---
			317.14	Kg/Cm ²			
			292.22	Kg/Cm ²			
		Average	310.34	Kg/Cm²			
9	Cement concrete cube of mix M-25 , cast on 04/05/2023. for Peter bhat near Dukle Heaven fd.	28 th day compressive strength	301.28	Kg/Cm ²	290.00 Kg/cm ²	7.27	---do---
			319.40	Kg/Cm ²			
			312.61	Kg/Cm ²			
		Average	311.10	Kg/Cm²			
10	Cement concrete cube of mix M-25 , cast on 05/05/2023. for Peter bhat next to Kamat fd.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	5.71	Qty represents - 51.00 M3 for five sets of cube.
			319.40	Kg/Cm ²			
			289.95	Kg/Cm ²			
		Average	306.57	Kg/Cm²			
11	Cement concrete cube of mix M-25 , cast on 05/05/2023. for Peter bhat next to Kamat fd.	28 th day compressive strength	287.69	Kg/Cm ²	290.00 Kg/cm ²	6.75	---do---
			323.93	Kg/Cm ²			
			317.14	Kg/Cm ²			
		Average	309.59	Kg/Cm²			
12	Cement concrete cube of mix M-25 , cast on 05/05/2023. for Peter bhat next to Kamat fd.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	5.97	---do---
			310.34	Kg/Cm ²			
			319.40	Kg/Cm ²			
		Average	307.32	Kg/Cm²			
13	Cement concrete cube of mix M-25 , cast on 05/05/2023. for Peter bhat next to Kamat fd.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	8.06	---do---
			323.93	Kg/Cm ²			
			299.01	Kg/Cm ²			
		Average	313.36	Kg/Cm²			

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REPORT PAGE 03 OF 04

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix M-25 , cast on 05/05/2023. for Peter bhat next to Kamat fd.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	6.23	Qty represents - 51.00 M3 for five sets of cube.
			287.69	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	308.08			
15	Cement concrete cube of mix M-25 , cast on 06/05/2023. for Nunes Ist Lift.	28 th day compressive strength	280.89	Kg/Cm ²	290.00 Kg/cm ²	4.67	Qty represents - 86.00 M3 for five sets of cube.
			310.34	Kg/Cm ²			
			319.40	Kg/Cm ²			
			Average	303.55			
16	Cement concrete cube of mix M-25 , cast on 06/05/2023. for Nunes Ist Lift.	28 th day compressive strength	317.14	Kg/Cm ²	290.00 Kg/cm ²	5.71	---do---
			289.95	Kg/Cm ²			
			312.61	Kg/Cm ²			
			Average	306.57			
17	Cement concrete cube of mix M-25 , cast on 06/05/2023. for Nunes Ist Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	5.45	---do---
			323.93	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	305.81			
18	Cement concrete cube of mix M-25 , cast on 06/05/2023. for Nunes Ist Lift.	28 th day compressive strength	328.46	Kg/Cm ²	290.00 Kg/cm ²	7.80	---do---
			323.93	Kg/Cm ²			
			285.42	Kg/Cm ²			
			Average	312.61			
19	Cement concrete cube of mix M-25 , cast on 06/05/2023. for Nunes Ist Lift.	28 th day compressive strength	323.93	Kg/Cm ²	290.00 Kg/cm ²	6.49	---do---
			314.87	Kg/Cm ²			
			287.69	Kg/Cm ²			
			Average	308.83			
20	Cement concrete cube of mix M-25 , cast on 07/05/2023. for Peter bhat near Dukle Heaven Ist Lift.	28 th day compressive strength	305.81	Kg/Cm ²	290.00 Kg/cm ²	7.80	Qty represents - 68.00 M3 for five sets of cube.
			319.40	Kg/Cm ²			
			312.61	Kg/Cm ²			
			Average	312.61			
21	Cement concrete cube of mix M-25 , cast on 07/05/2023. for Peter bhat near Dukle Heaven Ist Lift.	28 th day compressive strength	321.67	Kg/Cm ²	290.00 Kg/cm ²	5.71	---do---
			287.69	Kg/Cm ²			
			310.34	Kg/Cm ²			
			Average	306.57			

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REPORT PAGE 04 OF 04

SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
22	Cement concrete cube of mix M-25 , cast on 07/05/2023. for Peter bhat near Dukle Heaven Ist Lift.	28 th day compressive strength	289.95	Kg/Cm ²	290.00 Kg/cm ²	4.93	Qty represents - 68.00 M3 for five sets of cube.
			305.81	Kg/Cm ²			
			317.14	Kg/Cm ²			
			Average	304.30			
23	Cement concrete cube of mix M-25 , cast on 07/05/2023. for Peter bhat near Dukle Heaven Ist Lift.	28 th day compressive strength	314.87	Kg/Cm ²	290.00 Kg/cm ²	6.75	---do---
			292.22	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	309.59			
24	Cement concrete cube of mix M-25 , cast on 07/05/2023. for Peter bhat near Dukle Heaven Ist Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	7.01	---do---
			319.40	Kg/Cm ²			
			328.46	Kg/Cm ²			
			Average	310.34			
25	Cement concrete cube of mix M-25 , cast on 08/05/2023. for Peter bhat next to Kamat Ist Lift.	28 th day compressive strength	292.22	Kg/Cm ²	290.00 Kg/cm ²	8.58	Qty represents - 80.00 M3 for five sets of cube.
			321.67	Kg/Cm ²			
			330.73	Kg/Cm ²			
			Average	314.87			
26	Cement concrete cube of mix M-25 , cast on 08/05/2023. for Peter bhat next to Kamat Ist Lift.	28 th day compressive strength	283.16	Kg/Cm ²	290.00 Kg/cm ²	7.80	---do---
			321.67	Kg/Cm ²			
			332.99	Kg/Cm ²			
			Average	312.61			
27	Cement concrete cube of mix M-25 , cast on 08/05/2023. for Peter bhat next to Kamat Ist Lift.	28 th day compressive strength	294.48	Kg/Cm ²	290.00 Kg/cm ²	7.01	---do---
			314.87	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	310.34			
28	Cement concrete cube of mix M-25 , cast on 08/05/2023. for Peter bhat next to Kamat Ist Lift.	28 th day compressive strength	310.34	Kg/Cm ²	290.00 Kg/cm ²	5.71	---do---
			287.69	Kg/Cm ²			
			321.67	Kg/Cm ²			
			Average	306.57			
29	Cement concrete cube of mix M-25 , cast on 08/05/2023. for Peter bhat next to Kamat Ist Lift.	28 th day compressive strength	323.93	Kg/Cm ²	290.00 Kg/cm ²	7.53	---do---
			319.40	Kg/Cm ²			
			292.22	Kg/Cm ²			
			Average	311.85			

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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