

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No: WRD/QC/F.6-2/Cube -T : 7257,7258,7286,7287,7303,7304,7335,7336/Lab/**130**/2023 - 24 Dated:- 06/07/2023.
7358,7380,7403,7425,7433,7442,7455,7467,7472.

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

Name of work : Improvement to nallah including existing nallah crossing near Lucy D'souza house in ward no.9, Khoriwada in V.P. Assonora in Thivim Constituency.

Ref. to Requisition No : SDII/WDI/WRD/F.24/2023-24/104. Dt.:- 08/06/2023

Qty. Received : **17** Sets of cube Date of Receipt:- 13/06/2023.

Tested on:- 15,17,19,21,23,24,26,28,29,30/06/2023 & 03,04,05/07/2023 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1:2:4** O.S No : 1524,1525,1547,/RK & 882,883,912,913,930,931,970,995,1019,1031,1039,1048,1061,1067/SS Lab. Sample No: 7452 to 7468

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 1:2:4 , cast on 18/05/2023. for Foundation for wall and for Abutment RHS.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 30.00 M3 for two sets of cube
			203.87	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	222.00			
2	Cement concrete cube of mix 1:2:4 , cast on 18/05/2023. for Foundation for wall and for Abutment RHS.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	7.15	---do---
			231.06	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	225.02			
3	Cement concrete cube of mix 1:2:4 , cast on 20/05/2023. for Foundation for wall and for Abutment LHS.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 30.00 M3 for two sets of cube
			217.47	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	221.24			
4	Cement concrete cube of mix 1:2:4 , cast on 20/05/2023. for Foundation for wall and for Abutment LHS.	28 th day compressive strength	210.67	Kg/Cm ²	210.00 Kg/cm ²	5.71	---do---
			217.47	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	222.00			
5	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. for Foundation RHS.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 25.00 M3 for two sets of cube
			215.20	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	217.47			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Cement concrete cube of mix 1:2:4 , cast on 22/05/2023. for Foundation RHS.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 25.00 M3 for two sets of cube
			217.47	Kg/Cm ²			
			210.67	Kg/Cm ²			
			Average	220.49			
7	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. for Foundation LHS.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 25.00 M3 for two sets of cube
			231.06	Kg/Cm ²			
			226.53	Kg/Cm ²			
			Average	235.59			
8	Cement concrete cube of mix 1:2:4 , cast on 24/05/2023. for Foundation LHS.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	11.47	---do---
			235.59	Kg/Cm ²			
			235.59	Kg/Cm ²			
			Average	234.08			
9	Cement concrete cube of mix 1:2:4 , cast on 26/05/2023. for Abutment top portion RHS.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 15.00 M3
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
			Average	226.53			
10	Cement concrete cube of mix 1:2:4 , cast on 27/05/2023. for Abutment top portion LHS.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	8.59	Qty represents - 15.00 M3
			249.18	Kg/Cm ²			
			201.61	Kg/Cm ²			
			Average	228.04			
11	Cement concrete cube of mix 1:2:4 , cast on 29/05/2023. for 1st Lift RHS.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	3.55	Qty represents - 20.00 M3
			219.73	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	217.47			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
12	Cement concrete cube of mix 1:2:4 , cast on 31/05/2023. for 1st Lift RHS.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 20.00 M3
			226.53	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
13	Cement concrete cube of mix 1:2:4 , cast on 01/06/2023. for RCC Slab.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 10.00 M3
			231.06	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
14	Cement concrete cube of mix 1:2:4 , cast on 02/06/2023. for 1st Lift LHS.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	10.39	Qty represents - 20.00 M3
			235.59	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	231.81	Kg/Cm²			
15	Cement concrete cube of mix 1:2:4 , cast on 05/06/2023. for 1st Lift LHS.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	8.23	Qty represents - 20.00 M3
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	227.28	Kg/Cm²			
16	Cement concrete cube of mix 1:2:4 , cast on 06/06/2023. for 2nd Lift RHS.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 10.00 M3
			231.06	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
17	Cement concrete cube of mix 1:2:4 , cast on 07/06/2023. for 2nd Lift RHS.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	11.82	Qty represents - 10.00 M3
			203.87	Kg/Cm ²			
			240.12	Kg/Cm ²			
		Average	234.83	Kg/Cm²			

Copy to: 1. The Assistant Engineer, SDII, WDI, WRD, Mapusa Bardez- 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.

Junior Engineer

Assistant Engineer