

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :4398,4399,4421,4422,4505,/ Lab /89/ 2022 - 23 Dated:- 24/ 05/2022.
4506,4534,4535,4550,4551,4567,4568,4585,4586,4610 & 4611

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

Name of work : Improvement to nallahs in fields from Ashok Satardekar house upto Sy. No. 69 in ward No. IV and Gurudas Mandrekar house to main nallah at Carrem in Village Panchayat Socorro in Porvorim Constituency.

Ref. to Requisition No.: SDI/WDI/WRD/F.57/22-23/30 Dated :- 04/ 05/ 2022.

Qty. Recived. : 16 Sets of cube Date of Receipt:- 10/ 05/ 2022. Tested on: 10,11,16,17,18,19,20 & 21/05/2022 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix **1: 2: 4** O.S No. :0687,0688,0710,0711,0791 & 0792/R.K, 8489,8490,8505,8506,8524,8525,8543,8544,8568 & 8569/SS Lab. Sample No.: 4364 To 4379 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 permissible	% above or below	REMARK
1	Cement concrete cube of mix 1: 2: 4 , cast on 12/04/2022. For Foundation.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 37.00 Cum for two sets of cube.
			231.06	Kg/Cm ²			
			224.26	Kg/Cm ²			
			Average	231.06			
2	Cement concrete cube of mix 1: 2: 4 , cast on 12/04/2022. For Foundation.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	11.47	----- do -----
			240.12	Kg/Cm ²			
			228.79	Kg/Cm ²			
			Average	234.08			
3	Cement concrete cube of mix 1: 2: 4 , cast on 13/04/2022. For Foundation.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	13.26	Qty represents - 38.00 Cum for two sets of cube.
			231.06	Kg/Cm ²			
			237.85	Kg/Cm ²			
			Average	237.85			
4	Cement concrete cube of mix 1: 2: 4 , cast on 13/04/2022. For Foundation.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			212.93	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	223.51			
5	Cement concrete cube of mix 1: 2: 4 , cast on 18/04/2022. For Foundation.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	10.03	Qty represents - 37.00 Cum for two sets of cube.
			224.26	Kg/Cm ²			
			233.32	Kg/Cm ²			
			Average	231.06			
6	Cement concrete cube of mix 1: 2: 4 , cast on 18/04/2022. For Foundation.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.11	----- do -----
			240.12	Kg/Cm ²			
			222.00	Kg/Cm ²			
			Average	233.32			

Junior Engineer

Assistant Engineer

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SR. NO	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Cement concrete cube of mix 1: 2: 4 , cast on 19/04/2022. For Foundation.	28 th day compressive strenath	215.20	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 38.00 Cum for two sets of cube.
			224.26	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
8	Cement concrete cube of mix 1: 2: 4 , cast on 19/04/2022. For Foundation.	28 th day compressive strenath	231.06	Kg/Cm ²	210.00 Kg/cm ²	5.35	----- do -----
			219.73	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	221.24	Kg/Cm²			
9	Cement concrete cube of mix 1: 2: 4 , cast on 20/04/2022. For Foundation.	28 th day compressive strenath	215.20	Kg/Cm ²	210.00 Kg/cm ²	8.95	Qty represents - 38.00 Cum for two sets of cube.
			233.32	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	228.79	Kg/Cm²			
10	Cement concrete cube of mix 1: 2: 4 , cast on 20/04/2022. For Foundation.	28 th day compressive strenath	237.85	Kg/Cm ²	210.00 Kg/cm ²	9.31	----- do -----
			219.73	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
11	Cement concrete cube of mix 1: 2: 4 , cast on 21/04/2022. For Foundation.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	14.70	Qty represents - 37.00 Cum for two sets of cube.
			249.18	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	240.87	Kg/Cm²			
12	Cement concrete cube of mix 1: 2: 4 , cast on 21/04/2022. For Foundation.	28 th day compressive strenath	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.11	----- do -----
			231.06	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
13	Cement concrete cube of mix 1: 2: 4 , cast on 22/04/2022. For Foundation.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 38.00 Cum for two sets of cube.
			237.85	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
14	Cement concrete cube of mix 1: 2: 4 , cast on 22/04/2022. For Foundation.	28 th day compressive strenath	226.53	Kg/Cm ²	210.00 Kg/cm ²	6.79	----- do -----
			215.20	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	224.26	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
15	Cement concrete cube of mix 1: 2: 4 , cast on 23/04/2022. For Foundation.	28 th day compressive strenath	219.73	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 37.00 Cum for two sets of cube.
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	226.53	Kg/Cm²			
16	Cement concrete cube of mix 1: 2: 4 , cast on 23/04/2022. For Foundation.	28 th day compressive strenath	237.85	Kg/Cm ²	210.00 Kg/cm ²	8.23	----- do -----
			224.26	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	227.28	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SD I , 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