

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T : 018,019,030,031,045,046,061,062,094 & 095 / Lab / **86** / 2020 - 2021 Dated:- 07 / 07/ 2020

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

Name of Work: - Maintenance and repair to the existing Bandhara near L.I. Scheme at Maulinguem in Bicholim Taluka. Reg. Construction of side protection wall.

Ref. to Requisition No.: WRD/WDVI/SD I/F.W. 223/2020-21/ **89** Dated :- 08-06-2020

Qty. Recived. : 10 Sets of cube Date of Receipt: -08/06/2020. Tested on:- 17/06/2020 & 23/06/2020. Ref to CPWD :2009, Vol. I

Sample: PCC 1 : 2 : 4 Mix **O.S No.** : 3923,3924,3933,3934,3946,3947,3961,3962,3991 & 3992/SS. **Lab. Sample No.:** 9151 To 9160

Tested By: - 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 20/05/2020. PCC for Foundation wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/Cm ²	13.26	Represents Qty. 21.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			253.71	Kg/Cm ²			
		Average	237.85	Kg/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 20/05/2020. PCC for Foundation wall.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/Cm ²	19.38	--- Do ----
			237.85	Kg/Cm ²			
			269.57	Kg/Cm ²			
		Average	250.69	Kg/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2020. PCC for Foundation wall.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/Cm ²	8.59	Represents Qty. 22.00 Cum.
			215.20	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	228.04	Kg/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 21/05/2020. PCC for Foundation wall.	28 th day compressive strength	201.61	Kg/Cm ²	210.00 Kg/Cm ²	6.07	--- Do ----
			249.18	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/05/2020. PCC for Foundation wall.	28 th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	15.78	Represents Qty. 19.00 Cum.
			226.53	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	243.14	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
6	Cement concrete cube of mix 1 : 2 : 4 , cast on 22/05/2020. PCC for Foundation wall.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/Cm ²	13.26	Represents Qty. 19.00 Cum.
			222.00	Kg/Cm ²			
			231.06	Kg/Cm ²			
			Average	237.85			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/05/2020. PCC for Retaining wall.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/Cm ²	10.39	Represents Qty. 23.00 Cum.
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
			Average	231.81			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 23/05/2020. PCC for Retaining wall.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/Cm ²	17.22	--- Do ----
			226.53	Kg/Cm ²			
			262.77	Kg/Cm ²			
			Average	246.16			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/05/2020. PCC for Retaining wall.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/Cm ²	19.74	Represents Qty. 20.00 Cum.
			271.83	Kg/Cm ²			
			244.65	Kg/Cm ²			
			Average	251.44			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/05/2020. PCC for Retaining wall.	28 th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/Cm ²	21.17	--- Do ----
			265.04	Kg/Cm ²			
			246.91	Kg/Cm ²			
			Average	254.46			

1. Copy to: The Assistant Engineer SD I , WD VI , WRD , Bicholim - 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 VI, WRD, Bicholim-Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer