

**GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T : 9417,9426,9431,9444 To 9451,9459 / Lab / **08** / 2020 - 21 Dated:- 16 / 04 / 2020
Laboratory : Bicholim -Goa / Sub Division V (QC)/WRD/ Bicholim -Goa.

Name of Work: - Construction of Open type banhara across Chichara River near bridge at Sater, Thana in Sattari Taluka.

Ref. to Requisition No.: MI/WDVI/ WRD/ SD II /F.62 /2019-20/ 471 Dated :- 20-03-2020
Qty. Recived. : 12 Sets of cube Date of Receipt: - 06/04/2020. Tested on:- 06/04/2020 To 14/04/2020 as per due dates. Ref to CPWD :2009, Vol. I
Sample: RCC 1 : 2 : 4 & 1 : 1.5 :3 Mix O.S No. : 730,733,735,740,741,744/SP. Lab. Sample No.: 8556 To 8567 Tested By: - Mr. S. M. Patri., A.E.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 09/03/2020. PCC for U/s Cut - off .	28th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/Cm ²	6.43	1) Represents Qty. 24.40 Cum. 2) Cube test is witnessed by the agency Shri. Narayan. S. Harwalkar.
			233.32	Kg/Cm ²			
			192.55	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
2	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 12/03/2020. PCC for D/s Cut - off .	28th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	9.31	Represents Qty. 12.50 Cum.
			246.91	Kg/Cm ²			
			201.61	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
3	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 13/03/2020. PCC for Centre block first lift .	28th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/Cm ²	11.82	Represents Qty. 22.00 Cum.
			274.10	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	234.83	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 14/03/2020. PCC for D/s apron .	28th day compressive strength	271.83	Kg/Cm ²	210.00 Kg/Cm ²	24.41	Represents Qty. 26.50 Cum.
			249.18	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	261.26	Kg/Cm²			
5	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 14/03/2020. PCC for D/s apron .	28th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/Cm ²	12.90	Represents Qty. 25.00 Cum.
			215.20	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
6	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 14/03/2020. PCC for D/s apron .	28th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/Cm ²	22.25	Represents Qty. 27.80 Cum.
			274.10	Kg/Cm ²			
			251.44	Kg/Cm ²			
		Average	256.73	Kg/Cm²			

Junior Engineer

Assistant Engineer

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
7	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 14/03/2020. PCC for D/s apron .	28th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	20.09	Represents Qty. 27.00 Cum.
			271.83	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	252.20	Kg/Cm²			
8	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 14/03/2020. PCC for D/s apron .	28th day compressive strength	199.34	Kg/Cm ²	210.00 Kg/Cm ²	16.50	Represents Qty. 21.00 Cum.
			271.83	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
9	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 15/03/2020. RCC for Centre block second lift .	28th day compressive strength	267.30	Kg/Cm ²	265.00 Kg/Cm ²	7.42	Represents Qty. 17.00 Cum.
			301.28	Kg/Cm ²			
			285.42	Kg/Cm ²			
		Average	284.67	Kg/Cm²			
10	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 15/03/2020. RCC for Centre block second lift .	28th day compressive strength	294.48	Kg/Cm ²	265.00 Kg/Cm ²	7.99	Represents Qty. 18.00 Cum.
			289.95	Kg/Cm ²			
			274.10	Kg/Cm ²			
		Average	286.18	Kg/Cm²			
11	Reinforced Cement concrete cube of mix 1 : 1.5 : 3 , cast on 15/03/2020. RCC for Centre block second lift .	28th day compressive strength	280.89	Kg/Cm ²	265.00 Kg/Cm ²	2.86	Represents Qty. 14.00 Cum.
			253.71	Kg/Cm ²			
			283.16	Kg/Cm ²			
		Average	272.59	Kg/Cm²			
12	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 17/03/2020. PCC for U/s apron.	28th day compressive strength	217.47	Kg/Cm ²	210.00 Kg/Cm ²	7.15	Represents Qty. 25.20 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	225.02	Kg/Cm²			

1. Copy to: The Assistant Engineer SD II , WD VI , WRD ,Volpoi - Sattari - 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