

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :2060,2061,2067,2068,2079,2080,2103/ Lab / **103** / 2021 - 22 Dated:- 10/ 06 / 2021. Laboratory : Bicholim - Goa
,2104,2113,2114,2124,2125,2134,2135,2148,2149,2168,2169,2179,2180,2188,2189 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work : Construction of Open Type Bandhara across Bicholim river at Gaonkarwada at Bicholim.

Ref. to Requisition No.:WRD/ WDV/SDI/F.W.215/2021-22/65 Dated :- 21/ 05/ 2021.

Qty. Recived. :22 Sets of cube Date of Receipt:- 21/ 05 / 2021. Tested on: -24,26,28/05/21 & 01 to 08/06/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No.:6284,6285,6294,6295,6309,6310,6340,6341,6352,6353/SS,69,70/RK,6364,6365,6379,6380,6399,6400,6410,6411,6419,6420/SS

Lab. Sample No.: 1568 to 1589 Tested By: Mrs.R.R.Kadam.A.E. & Mrs. Shirodkar. J.E.

REPORT PAGE 01 OF 04

SR.N O.	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 26/04/2021. PCC for Retaining wall foundation.	28 th day compressive strength	258.24	Kq/Cm ²	210.00 Kg/cm ²	13.62	Qty represents - 47.00 Cum for two sets of cubes.
			226.53	Kq/Cm ²			
			231.06	Kq/Cm ²			
		Average	238.61	Kq/Cm²			
2	Cement concrete cube of mix 1 : 2 : 4 , cast on 26/04/2021. PCC for Retaining wall foundation.	28 th day compressive strength	226.53	Kq/Cm ²	210.00 Kg/cm ²	14.70	----- do -----
			249.18	Kq/Cm ²			
			246.91	Kq/Cm ²			
		Average	240.87	Kq/Cm²			
3	Cement concrete cube of mix 1 : 2 : 4 , cast on 28/04/2021. PCC for 1 st lift.	28 th day compressive strength	233.32	Kq/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 38.70 Cum for two sets of cubes.
			219.73	Kq/Cm ²			
			208.40	Kq/Cm ²			
		Average	220.49	Kq/Cm²			
4	Cement concrete cube of mix 1 : 2 : 4 , cast on 28/04/2021. PCC for 1 st lift.	28 th day compressive strength	242.38	Kq/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			215.20	Kq/Cm ²			
			212.93	Kq/Cm ²			
		Average	223.51	Kq/Cm²			
5	Cement concrete cube of mix 1 : 2 : 4 , cast on 30/04/2021. PCC for 2 nd lift.	28 th day compressive strength	217.47	Kq/Cm ²	210.00 Kg/cm ²	5.35	Qty represents - 28.80 Cum for two sets of cubes.
			215.20	Kq/Cm ²			
			231.06	Kq/Cm ²			
		Average	221.24	Kq/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 04

SR.N O.	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 30/04/2021. PCC for 2 nd lift.	28 th day compressive strength	228.79	Kg/Cm ²	210.00 Kg/cm ²	5.71	Qty represents - 28.80 Cum for two sets of cubes.
			203.87	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
7	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2021. PCC for 3 rd lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	1.40	Qty represents - 18.90 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	212.93	Kg/Cm²			
8	Cement concrete cube of mix 1 : 2 : 4 , cast on 04/05/2021. PCC for 3 rd lift.	28 th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/cm ²	6.43	----- do -----
			240.12	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
9	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2021. PCC for 3 rd lift.	28 th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 18.90 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
10	Cement concrete cube of mix 1 : 2 : 4 , cast on 05/05/2021. PCC for 3 rd lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	2.84	----- do -----
			212.93	Kg/Cm ²			
			203.87	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
11	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2021. PCC for 3 rd lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	9.31	Qty represents - 18.90 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	229.55	Kg/Cm²			
12	Cement concrete cube of mix 1 : 2 : 4 , cast on 06/05/2021. PCC for 3 rd lift.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	11.11	----- do -----
			242.38	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	233.32	Kg/Cm²			

REPORT PAGE 03 OF 04

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/05/2021. PCC for 3 rd lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	2.84	Qty represents - 18.90 Cum for two sets of cubes.
			219.73	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	215.95	Kg/Cm²			
14	Cement concrete cube of mix 1 : 2 : 4 , cast on 07/05/2021. PCC for 3 rd lift.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	5.71	----- do -----
			203.87	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	222.00	Kg/Cm²			
15	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/05/2021. PCC for 4 th lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	4.99	Qty represents - 9.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	220.49	Kg/Cm²			
16	Cement concrete cube of mix 1 : 2 : 4 , cast on 08/05/2021. PCC for 4 th lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	6.07	----- do -----
			235.59	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	222.75	Kg/Cm²			
17	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/05/2021. PCC for 4 th lift.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	7.15	Qty represents - 9.00 Cum for two sets of cubes.
			222.00	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	225.02	Kg/Cm²			
18	Cement concrete cube of mix 1 : 2 : 4 , cast on 09/05/2021. PCC for 4 th lift.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	3.91	----- do -----
			206.14	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
19	Cement concrete cube of mix 1 : 2 : 4 , cast on 10/05/2021. PCC for 4 th lift.	28 th day compressive strength	203.87	Kg/Cm ²	210.00 Kg/cm ²	2.12	Qty represents - 9.00 Cum for two sets of cubes.
			215.20	Kg/Cm ²			
			224.26	Kg/Cm ²			
		Average	214.44	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 04 OF 04

SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
20	Cement concrete cube of mix 1 : 2: 4 , cast on 10/05/2021. PCC for 4 th lift.	28 th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/cm ²	6.79	Qty represents - 9.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	224.26	Kg/Cm²			
21	Cement concrete cube of mix 1 : 2: 4 , cast on 11/05/2021. PCC for 4 th lift.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	4.63	Qty represents - 9.00 Cum for two sets of cubes.
			226.53	Kg/Cm ²			
			219.73	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
22	Cement concrete cube of mix 1 : 2: 4 , cast on 11/05/2021. PCC for 4 th lift.	28 th day compressive strength	206.14	Kg/Cm ²	210.00 Kg/cm ²	5.35	----- do -----
			240.12	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	221.24	Kg/Cm²			

Copy to: 1. 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