

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 804,805,823,824,849,850,859,860,874,/ Lab /**251** / 2020 - 21 Dated:- 18/02 / 2021. Laboratory : Bicholim - Goa.
875,886,887,899,900,931,932,952,953 Sub Division V (QC)/WRD/ Bicholim- Goa.

Name of work:-Renovation to the Existing open irrigation channel from Siya temple to Konat farm at Surla in Bicholim Taluka.

Ref. to Requisition No.: WRD/WDVI/SDI/F.228/2020-21/438 Dated :- 13/01 / 2021.

Qty. Recived. :18 Sets of cube Date of Receipt:- 15/01/ 2021. Tested on: -29,30/01/2021 & 01,02,03,05,06,09,10/02/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 :2 :4 O.S No.:4826,4827,4846,4847,4876,4877,4886,4887,/SS. Lab.Sample No.: 98 To 115 Tested By: Mrs. S.B. Naik Shirodkar. J.E.
4902,4903,4918,4919 ,4933,4934,4973,4974,4996,4997

REPORT PAGE 01 OF 02

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 01/01/2021. For Bed PCC from ch 350 to 400m.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents - 14.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
2	Cement concrete cube of mix 1 :2 :4 , cast on 01/01/2021. For Bed PCC from ch 350 to 400m.	28 th day compressive strength	235.59	Kg/Cm ²	210.00 Kg/cm ²	12.54	----- do -----
			246.91	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	236.34	Kg/Cm²			
3	Cement concrete cube of mix 1 :2 :4 , cast on 02/01/2021. For Bed PCC from ch 400 to 450m.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	16.14	Qty represents - 14.00 Cum for two sets of cubes.
			242.38	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	243.89	Kg/Cm²			
4	Cement concrete cube of mix 1 :2 :4 , cast on 02/01/2021. For Bed PCC from ch 400 to 450m.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	15.42	----- do -----
			246.91	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
5	Cement concrete cube of mix 1 :2 :4 , cast on 04/01/2021. For Bed PCC from ch 450 to 500m.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	13.62	Qty represents - 14.00 Cum for two sets of cubes.
			237.85	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	238.61	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 02

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 04/01/2021. For Bed PCC from ch 450 to 500m.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	19.38	Qty represents - 14.00 Cum for two sets of cubes.
			246.91	Kg/Cm ²			
			244.65	Kg/Cm ²			
		Average	250.69	Kg/Cm²			
7	Cement concrete cube of mix 1 :2 : 4 , cast on 05/01/2021. For Bed PCC from ch 500 to 550m.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	13.98	Qty represents - 14.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	239.36	Kg/Cm²			
8	Cement concrete cube of mix 1 :2 : 4 , cast on 05/01/2021. For Bed PCC from ch 500 to 550m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	18.30	----- do -----
			244.65	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	248.42	Kg/Cm²			
9	Cement concrete cube of mix 1 :2 : 4 , cast on 06/01/2021. For Bed PCC from ch 550 to 600m.	28 th day compressive strength	233.32	Kg/Cm ²	210.00 Kg/cm ²	16.50	Qty represents - 14.00 Cum for two sets of cubes.
			244.65	Kg/Cm ²			
			255.97	Kg/Cm ²			
		Average	244.65	Kg/Cm²			
10	Cement concrete cube of mix 1 :2 : 4 , cast on 06/01/2021. For Bed PCC from ch 550 to 600m.	28 th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/cm ²	17.58	----- do -----
			246.91	Kg/Cm ²			
			262.77	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
11	Cement concrete cube of mix 1 :2 : 4 , cast on 08/01/2021. For Side wall both side from ch 200 to 250m.	28 th day compressive strength	253.71	Kg/Cm ²	210.00 Kg/cm ²	20.45	Qty represents - 18.00 Cum for two sets of cubes.
			258.24	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	252.95	Kg/Cm²			
12	Cement concrete cube of mix 1 :2 : 4 , cast on 08/01/2021. For Side wall both side from ch 200 to 250m.	28 th day compressive strength	246.91	Kg/Cm ²	210.00 Kg/cm ²	16.14	----- do -----
			249.18	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	243.89	Kg/Cm²			
13	Cement concrete cube of mix 1 :2 : 4 , cast on 09/01/2021. For Side wall both side from ch 250 to 320m.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	15.06	Qty represents - 26.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	241.63	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 03 OF 03

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
14	Cement concrete cube of mix 1 :2 : 4 , cast on 09/01/2021. For Side wall both side from ch 250 to 320m.	28 th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/cm ²	20.45	Qty represents - 26.00 Cum for two sets of cubes.
			260.51	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	252.95	Kg/Cm²			
15	Cement concrete cube of mix 1 :2 : 4 , cast on 12/01/2021. For Side wall both side from ch 320 to 380m.	28 th day compressive strength	260.51	Kg/Cm ²	210.00 Kg/cm ²	17.94	Qty represents - 22.00 Cum for two sets of cubes.
			249.18	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	247.67	Kg/Cm²			
16	Cement concrete cube of mix 1 :2 : 4 , cast on 12/01/2021. For Side wall both side from ch 320 to 380m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	11.11	----- do -----
			226.53	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
17	Cement concrete cube of mix 1 :2 : 4 , cast on 13/01/2021. For Side wall both side from ch 380 to 450m.	28 th day compressive strength	244.65	Kg/Cm ²	210.00 Kg/cm ²	17.58	Qty represents - 26.00 Cum for two sets of cubes.
			260.51	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	246.91	Kg/Cm²			
18	Cement concrete cube of mix 1 :2 : 4 , cast on 13/01/2021. For Side wall both side from ch 380 to 450m.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	17.22	----- do -----
			253.71	Kg/Cm ²			
			246.91	Kg/Cm ²			
		Average	246.16	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDI , 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