

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/F.6-2/Cube -T -8410,8431,8432,8467,8481,8482,8510,8511,8520,8521 /Lab/ **392** /2019-20 Dated:-20/01/2020

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

Name of Work: - Annual cleaning and maintainance of Minor 1,2,3 of Lift Irrigation scheme No.3 of R.B.M.C. of T.I.P. at village Nagzar and Varkhand in Pernem Taluka for the year 2019-20.

Ref. to Requisition No.: - No. SDI/WDVII/WRD/F.359/19-20/289 Dated : - 26 / 12 / 2019

Qty. Recived. : 10 Sets of cubes Date of Receipt: -26/12/2019 Tested on: -10/01/2020 To 18/01/2020 as per due dates Ref to CPWD :2009, Vol. I

Sample: PCC 1:2: 4 Mix O.S No. : 1497/AF.3021,3022/SS , 1525,1530,1531,1538,1539,1543,1544/AF Lab. Sample No: 7406 To 7415. Tested By: -Mr.Anil R. Fadte,J.E. & Mrs. S. S. Shirodkar,J.E..

REPORT PAGE 01 OF 02

SR. NO.	DISCRIPTION OF SAMPLE		RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cubes of mix 1:2:4 cast on 13/ 12 / 2019, for canal PCC(P01)	28th day compressive strength	208.40	Kg/Cm ²	210.00 Kg/Cm ²	4.63	1.Quantity Represents 15.00 m3. 2.Exact location of work done is not specified.
			233.32	Kg/Cm ²			
			217.47	Kg/Cm ²			
		Average	219.73	Kg/Cm²			
2	Plain Cement concrete cubes of mix 1:2:4 cast on 14/ 12 / 2019, for canal lining (P02)	28th day compressive strength	215.20	Kg/Cm ²	210.00 Kg/Cm ²	3.91	1. Quantity Represents 20.00 m3 for two sets of cubes cast on 14/12/2019. 2.Exact location of work done is not specified.
			203.87	Kg/Cm ²			
			235.59	Kg/Cm ²			
		Average	218.22	Kg/Cm²			
3	Plain Cement concrete cubes of mix 1:2:4 cast on 14/ 12 / 2019, for canal lining (P02)	28th day compressive strength	240.12	Kg/Cm ²	210.00 Kg/Cm ²	11.11	-do-
			233.32	Kg/Cm ²			
			226.53	Kg/Cm ²			
		Average	233.32	Kg/Cm²			
4	Plain Cement concrete cubes of mix 1:2:4 cast on 16/ 12 / 2019, for canal lining(P3)	28th day compressive strength	219.73	Kg/Cm ²	210.00 Kg/Cm ²	4.63	1. Quantity Represents 14.00 m3. 2.Exact location of work done is not specified.
			228.79	Kg/Cm ²			
			210.67	Kg/Cm ²			
		Average	219.73	Kg/Cm²			

Junior Engineer

Assistant Engineer

REPORT PAGE 02 OF 02

SR. NO.	DISCRIPTION OF SAMPLE		RESULTS		Max./Min.Value permissible	% above or below	REMARK
5	Plain Cement concrete cubes of mix 1:2:4 cast on 17/ 12 / 2019, for canal lining(P4)	28th day compressive strength	224.26	Kg/Cm ²	210.00 Kg/Cm ²	10.03	1.Quantity Represents 20.00 m3 for two sets of cubes cast on 17/12/219. 2.Exact location of work done is not specified.
			226.53	Kg/Cm ²			
			242.38	Kg/Cm ²			
		Average	231.06	Kg/Cm²			
6	Plain Cement concrete cubes of mix 1:2:4 cast on 17/ 12 / 2019, for canal lining(P4)	28th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/Cm ²	15.42	-do-
			267.30	Kg/Cm ²			
			233.32	Kg/Cm ²			
		Average	242.38	Kg/Cm²			
7	Plain Cement concrete cubes of mix 1:2:4 cast on 20/ 12 / 2019, for canal lining(P5)	28th day compressive strength	262.77	Kg/Cm ²	210.00 Kg/Cm ²	19.74	1.Quantity Represents 18.00 m3 for two sets of cubes cast on 20/12/219. 2.Exact location of work done is not specified.
			242.38	Kg/Cm ²			
			249.18	Kg/Cm ²			
		Average	251.44	Kg/Cm²			
8	Plain Cement concrete cubes of mix 1:2:4 cast on 20/ 12 / 2019, for canal lining(P5)	28th day compressive strength	251.44	Kg/Cm ²	210.00 Kg/Cm ²	12.90	-do-
			222.00	Kg/Cm ²			
			237.85	Kg/Cm ²			
		Average	237.10	Kg/Cm²			
9	Plain Cement concrete cubes of mix 1:2:4 cast on 21/ 12 / 2019, for canal lining(P6)	28th day compressive strength	231.06	Kg/Cm ²	210.00 Kg/Cm ²	6.43	1.Quantity Represents 18.00 m3 for two sets of cubes cast on 21/12/219. 2.Exact location of work done is not specified.
			224.26	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	223.51	Kg/Cm²			
10	Plain Cement concrete cubes of mix 1:2:4 cast on 21/ 12 / 2019, for canal lining(P6)	28th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/Cm ²	5.71	-do-
			210.67	Kg/Cm ²			
			228.79	Kg/Cm ²			
		Average	222.00	Kg/Cm²			

Copy to: 1. The Assistant Engineer SD I , WD VII , WRD , Dhargal -Pernem- Goa.

2. Copy submitted to the Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa. For kind Information.

3. Copy submitted to the Executive Engineer ,WDVII,WRD , Dhargal - Pernem- Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer