

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8014,8015,8029,8030, / Lab / **337** / 2019 - 20 Dated:- 14 / 12/ 2019 Laboratory : Bicholim - Goa.  
8044,8045,8051 & 8052 Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :- Improvement to the canal lining by providing R.C.C. lining from Ch. 6.400 Kms To Ch. 6.950 Kms R.B.M.C. of T.I.P. at Hali and Chandel in Pernem Taluka.**

Ref to requisition No.:- SD I / WDVII / WRD / F.357 /2019-20/ **249** Dated :- 11 / 12 / 2019.

Qty. Recived. : 08 Sets of cube Date of Receipt:- 11 / 12 / 2019. Tested on: - 11/12/2019 To 14 /12 /2019 as per due dates.

Ref to CPWD :2002, Vol. I

Sample: Cube Mix 1:3:6 & 1:1.5:3 O.S No. : 1225,1226/AF, 2827,2828,2845,2846,2852,2853 /SS. Lab. Sample No.: 7191 To 7198.

Tested By: - Mr. Anil. R. Fadte. J.E. & Mrs. S.B.Naik Shirodkar. J.E.

REPORT PAGE 01 OF 02

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 04 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	90.61	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	25.13	1) Qty represents - 40.00 Cum for two sets. 2) Excat location of work done is not specified. 3) 28 th day test is due on 01 / 01 / 2020 , which may please be witnessed .
			88.35	Kg/Cm <sup>2</sup>			
			83.81	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>87.59</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 04 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	88.35	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	27.29	... Do ....
			88.35	Kg/Cm <sup>2</sup>			
			90.61	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>89.10</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 05 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	79.28	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	20.81	1) Qty represents - 40.00 Cum for two sets. 2) Excat location of work done is not specified. 3) 28 th day test is due on 02 / 01 / 2020 , which may please be witnessed .
			90.61	Kg/Cm <sup>2</sup>			
			83.81	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>84.57</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 05 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	81.55	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	24.05	... Do ....
			88.35	Kg/Cm <sup>2</sup>			
			90.61	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>86.84</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 06 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	88.35	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	19.74	1) Qty represents - 40.00 Cum for two sets. 2) Excat location of work done is not specified. 3) 28 th day test is due on 03 / 01 / 2020 , which may please be witnessed .
			90.61	Kg/Cm <sup>2</sup>			
			72.49	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>83.81</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Plain Cement concrete cube of mix <b>1 : 3 : 6</b> , cast on 06 /12/2019. PCC Bed for Canal Lining	7 <sup>th</sup> day compressive strength	79.28	Kg/Cm <sup>2</sup>	70.00 Kg/cm <sup>2</sup>	17.58	... Do ....
			86.08	Kg/Cm <sup>2</sup>			
			81.55	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>82.30</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 07 /12/2019. RCC for Canal Lining.	7 <sup>th</sup> day compressive strength	163.10	Kg/Cm <sup>2</sup>	175.00 Kg/cm <sup>2</sup>	1.40	1) Qty represents - 40.00 Cum for two sets . 2) Excat location of work done is not specified. 3) 28 th day test is due on 04 / 01 / 2020 , which may please be witnessed .
			181.22	Kg/Cm <sup>2</sup>			
			188.02	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>177.45</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Reinforced Cement concrete cube of mix <b>1 : 1.5 : 3</b> , cast on 07 /12/2019. RCC for Canal Lining.	7 <sup>th</sup> day compressive strength	172.16	Kg/Cm <sup>2</sup>	175.00 Kg/cm <sup>2</sup>	2.26	... Do ....
			194.81	Kg/Cm <sup>2</sup>			
			169.89	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>178.96</b>	<b>Kg/Cm<sup>2</sup></b>			

1. Copy to The Assistant Engineer ,Sub Division -I, W.D. - 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 ,Works Division - VII ,WRD, Dhargal - Pernem - Goa.
4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer