

GOVERNMENT OF GOA
QUALITY CONTROL LABORATORY
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 8500,8515,8542,8552,8636 & 8689 / Lab / **419** / 2019 - 20

Dated:- 01/02/ 2020

Laboratory : Bicholim - Goa.

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

Name of work : Construction of Outlets and R - Minor 8 taking off at ch. 8.730 km of SDC of LBMC of TIP at village Sarvan, Bicholim Goa.

Ref. to Requisition No.: WRD /WD VIII / SD VI / F.258 / 2019-20/136 dated :- 09 / 01 / 2020.

Qty. Recived. : 06 Sets of cube Date of Receipt:- 15 / 01 / 2020. Tested on: -15/ 01 / 2020 To 01/02/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 & 1:3:6 O.S No. : 3063,3071,3085,3088,3123 & 3147 /SS. Lab. Sample No.: 7644 To 7649 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
1	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 18/12/2019, for pillar of HRP and chambers at Outlet.	28 th day compressive strength	212.93	Kg/Cm ²	210.00 Kg/cm ²	3.20	Qty represents - 14.50 Cum.
			215.20	Kg/Cm ²			
			222.00	Kg/Cm ²			
		Average	216.71	Kg/Cm²			
2	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 20/12/2019, for Anchor blocks, pillar of HRP and chambers at Outlet.	28 th day compressive strength	222.00	Kg/Cm ²	210.00 Kg/cm ²	4.27	Qty represents - 14.50 Cum.
			226.53	Kg/Cm ²			
			208.40	Kg/Cm ²			
		Average	218.98	Kg/Cm²			
3	Plain Cement concrete cube of mix 1 : 3 : 6 , cast on 23/12/2019, for bed concrete, pillar of HRP and chambers at Outlet.	28 th day compressive strength	122.32	Kg/Cm ²	100.00 Kg/cm ²	23.83	Qty represents - 14.30 Cum.
			135.92	Kg/Cm ²			
			113.26	Kg/Cm ²			
		Average	123.83	Kg/Cm²			
4	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 24/12/2019, for pillar of HRP and chambers at Outlet.	28 th day compressive strength	249.18	Kg/Cm ²	210.00 Kg/cm ²	12.18	Qty represents - 14.00 Cum.
			226.53	Kg/Cm ²			
			231.06	Kg/Cm ²			
		Average	235.59	Kg/Cm²			
5	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 31/12/2019, for pillar of HRP and chambers at Outlet.	28 th day compressive strength	226.53	Kg/Cm ²	210.00 Kg/cm ²	2.12	Qty represents - 14.50 Cum.
			203.87	Kg/Cm ²			
			212.93	Kg/Cm ²			
		Average	214.44	Kg/Cm²			

Junior Engineer

Assistant Engineer

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
6	Plain Cement concrete cube of mix 1 : 2 : 4 , cast on 04/01/2020, for pillar of HRP and chambers at Outlet.	28 th day compressive strength	237.85	Kg/Cm ²	210.00 Kg/cm ²	7.87	Qty represents - 14.80 Cum.
			226.53	Kg/Cm ²			
			215.20	Kg/Cm ²			
		Average	226.53	Kg/Cm²			

Copy to: 1. The Assistant Engineer , SDVI , WD VIII, 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 VIII ,WRD, Karaswada -Bardez - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer