

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T :8901,8913,8916,8937,8951,8959,8972 / Lab / **466** / 2019 - 20      Dated:- 03/03/ 2020      Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Field Channels for DWC 2L takes off from chainage. 24.761 km of LBMC of of TIP at Colvale village in Bardez Taluka.**

Ref. to Requisition No.: SD I /W D VIII /WRD / W F.16 / 2019-20 /194      dated :- 04 / 02 / 2020.

Qty. Recived. : - 07 Sets of cube Date of Receipt :- 04 / 02 / 2020. Tested on : - 24/02/2020 To 01/03/2020 as per due dates .      Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4      O.S No. : 3382,3286,3291,3299,3209,3214,3220/SS.      Lab. Sample No.: 7862 To 7868      Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 27 / 01 / 2020, PCC for Beds T.O.Chamber.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 7.00 Cum.
			240.12	Kg/Cm <sup>2</sup>			
			208.40	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 28 / 01 / 2020, PCC for Chamber walls.	28 <sup>th</sup> day compressive strength	240.12	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents - 8.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			203.87	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 29 / 01 / 2020, PCC for Beds Chamber.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	8.59	Qty represents - 8.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.04</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 30 / 01 / 2020, PCC for Beds of Chamber.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	7.15	Qty represents - 7.00 Cum.
			217.47	Kg/Cm <sup>2</sup>			
			226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

SR. NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 31 / 01 / 2020, PCC for Chamber walls.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	9.31	Qty represents - 7.00 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			219.73	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>229.55</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01 / 02 / 2020, PCC for Beds of Chamber.	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	10.03	Qty represents - 8.00 Cum.
			231.06	Kg/Cm <sup>2</sup>			
			240.12	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.06</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Plain Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01 / 02 / 2020, PCC for Beds of Chamber.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.43	Qty represents - 7.50 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>223.51</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD I , WD VIII, WRD, Karaswada -Bardez - 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