

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

Test Report No.: WRD/QC/F.6-2/Cube -T : 9778,9804,9819,9843,9861,9883, 9913 & 9946 / Lab / 54 / 2020 - 2021 Dated:- 17 / 06/ 2020

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

**Name of Work: - Construction of protection wall to the Kudso River at Parsekarwada in Sy.No. 12/1 and 6/3 in V.P. Querim in Sattari Taluka.**

Ref. to Requisition No.: F. 50 /SD IV/ WD VI / WRD /2020-21/ 16 Dated :- 28-05-2020

Qty. Recived. : 08 Sets of cube Date of Receipt: -01/06/2020. Tested on:- 02/06/2020 To 11/06/2020 as per due dates. Ref to CPWD :2009, Vol. I

Sample: PCC 1 : 2 : 4 Mix O.S No. : 3758,3772, 3781,3799,3813,3828,3848 & 3868/SS. Lab. Sample No.: 9024 To 9031 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	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 05/05/2020. for foundation.	28 <sup>th</sup> day compressive strength	253.71	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	24.77	Represents Qty. 33.00 Cum.
			260.51	Kg/Cm <sup>2</sup>			
			271.83	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>262.02</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 06/05/2020. for foundation.	28 <sup>th</sup> day compressive strength	260.51	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	13.98	Represents Qty. 30.00 Cum.
			226.53	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>239.36</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 07/05/2020. for 1 <sup>st</sup> Lift.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	16.14	Represents Qty. 28.00 Cum.
			244.65	Kg/Cm <sup>2</sup>			
			249.18	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>243.89</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 08/05/2020. for 1 <sup>st</sup> Lift.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	12.54	Represents Qty. 27.00 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			244.65	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>236.34</b>	<b>Kg/Cm<sup>2</sup></b>			

Junior Engineer

Assistant Engineer

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 09/05/2020. for 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	10.03	Represents Qty. 23.00 Cum.
			249.18	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>231.06</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 10/05/2020. for 2 <sup>nd</sup> Lift.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	8.23	Represents Qty. 18.00 Cum.
			246.91	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 12/05/2020. for 3 <sup>rd</sup> Lift.	28 <sup>th</sup> day compressive strength	253.71	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	16.86	Represents Qty. 31.62 Cum.
			246.91	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>245.40</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 14/05/2020. for 4 <sup>th</sup> Lift.	28 <sup>th</sup> day compressive strength	258.24	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	18.30	Represents Qty. 25.00 Cum.
			249.18	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>248.42</b>	<b>Kg/Cm<sup>2</sup></b>			

1. Copy to: The Assistant Engineer SD III , WD VI , WRD , Mulgao - 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