

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 179,180,181,182 & 183 / Lab / **103** / 2020 - 2021      Dated:- 27/ 07/ 2020

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

**Name of Work: - Improvement to Existing Bandhara at D/S of Vehicular bridge at Assonara. Regarding construction of side protection wall at RHS bank of Assonara.**

Ref. to Requisition No.: F.36/SD III/WDVI/WRD/2020-21/ **48**      Dated :- 27-06-2020

Ref. to Requisition No.: F.36/SD III/WDVI/WRD/2020-21/ **47**      Dated :- 27-06-2020

Qty. Recived. : 03 + 02 Sets of cube      Date of Receipt: -27 & 29/06/2020.      Tested on:- 21/07/2020 To 25/07/2020 .      Ref to CPWD :2009, Vol. I

Sample: PCC 1 : 2 : 4 Mix      **O.S No. :** 4069,4074,4075,4076 & 4079/SS.      **Lab. Sample No.:** 9301 To 9305      **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	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 23/06/2020. PCC for retaining wall foundation and side wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	4.27	Represents Qty. 18.00 Cum.
			237.85	Kg/Cm <sup>2</sup>			
			201.61	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.98</b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 24/06/2020. PCC for retaining side wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	7.51	Represents Qty. 19.00 Cum.
			215.20	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>225.77</b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 25/06/2020. PCC for retaining side wall.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	4.27	Represents Qty. 19.00 Cum.
			217.47	Kg/Cm <sup>2</sup>			
			203.87	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>218.98</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
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 26/06/2020. PCC for retaining side wall.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	4.27	Represents Qty. 18.00 Cum.
			212.93	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.98</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 27/06/2020. PCC for retaining side wall.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm <sup>2</sup>	210.00 Kg/Cm <sup>2</sup>	5.35	Represents Qty. 19.00 Cum.
			217.47	Kg/Cm <sup>2</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</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