

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 133,137,143,147 & 153 / Lab / **91** / 2020 - 2021      Dated:- 09 / 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 Assonora. 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:- 30/06/2020, 01,02,03 & 04/07/2020 .      Ref to CPWD :2009, Vol. I

Sample: PCC 1 : 2 : 4 Mix      **O.S No. :** 4025,4029,4034,4038 & 4043/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.	7 <sup>th</sup> day compressive strength	144.98	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	7.87	1) Represents Qty. 18.00 Cum. 2) 28 th day test is due on 21/07/2020, which may please be witnessed on due date.
			154.04	Kg/Cm <sup>2</sup>			
			154.04	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>151.02</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 24/06/2020. PCC for retaining side wall.	7 <sup>th</sup> day compressive strength	158.57	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	12.72	1) Represents Qty. 19.00 Cum. 2) 28 th day test is due on 22/07/2020, which may please be witnessed on due date.
			160.83	Kg/Cm <sup>2</sup>			
			154.04	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>157.81</b>	<b>Kg/Cm<sup>2</sup></b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 25/06/2020. PCC for retaining side wall.	7 <sup>th</sup> day compressive strength	140.45	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	5.17	1) Represents Qty. 19.00 Cum. 2) 28 th day test is due on 23/07/2020, which may please be witnessed on due date.
			165.36	Kg/Cm <sup>2</sup>			
			135.92	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>147.24</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
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 26/06/2020. PCC for retaining side wall.	7 <sup>th</sup> day compressive strength	163.10	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	7.87	1) Represents Qty. 18.00 Cum. 2) 28 th day test is due on 24/07/2020, which may please be witnessed on due date.
			154.04	Kg/Cm <sup>2</sup>			
			135.92	Kg/Cm <sup>2</sup>			
		Average	151.02	Kg/Cm <sup>2</sup>			
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 27/06/2020. PCC for retaining side wall.	7 <sup>th</sup> day compressive strength	147.24	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	4.09	1) Represents Qty. 19.00 Cum. 2) 28 th day test is due on 25/07/2020, which may please be witnessed on due date.
			133.65	Kg/Cm <sup>2</sup>			
			156.30	Kg/Cm <sup>2</sup>			
		Average	145.73	Kg/Cm <sup>2</sup>			

- 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