

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

Test Report No.: WRD/QC/F.6-2/Cube -T : 075,119 & 124 / Lab / **85** / 2020 - 2021      Dated:- 06 / 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/ **42**      Dated :- 19-06-2020

Ref. to Requisition No.: F.36/SD III/WDVI/WRD/2020-21/ **43**      Dated :- 23-06-2020

Qty. Recived. : 01 + 02 Sets of cube      Date of Receipt: -20 & 23/06/2020.      Tested on:- 20, 27 & 28/06/2020 .      Ref to CPWD :2009, Vol. I

Sample: PCC 1 : 2 : 4 Mix      **O.S No. :** 3974,4012 & 4017/SS.      **Lab. Sample No.:** 9257,9265 & 9266      **Tested By: - Mrs. S. B. Naik Shirodkar , J.E.**

**Cube test is witnessed by Shri. D.R. Kalangutkar, representative by Agency Shri. Prasad V., WRD Contractor,Bhatwadi, Nanora,P.O. Assonora, Bicholim-Goa on 20/06/2020.**

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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 13/06/2020. PCC for retaining wall foundation.	7 <sup>th</sup> day compressive strength	181.22	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	24.59	1) Represents Qty. 19.00 Cum. 2) 28 th day test is due on 11/07/2020, which may please be witnessed on due date.
			172.16	Kg/Cm <sup>2</sup>			
			169.89	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>174.43</b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 20/06/2020. PCC for retaining wall foundation and side wall.	7 <sup>th</sup> day compressive strength	140.45	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	5.71	1) Represents Qty. 18.00 Cum. 2) 28 th day test is due on 18/07/2020, which may please be witnessed on due date.
			169.89	Kg/Cm <sup>2</sup>			
			133.65	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>148.00</b>			
3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 21/06/2020. PCC for retaining side wall.	7 <sup>th</sup> day compressive strength	142.71	Kg/Cm <sup>2</sup>	140.00 Kg/Cm <sup>2</sup>	15.42	1) Represents Qty. 19.00 Cum. 2) 28 th day test is due on 19/07/2020, which may please be witnessed on due date.
			163.10	Kg/Cm <sup>2</sup>			
			178.96	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>161.59</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