

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 218 to 220 & 223 to 225/ Lab / **113**/ 2020 - 2021 Dated:- 03/10/2020.

Laboratory : Bicholim - Goa.

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

**Name of work : Construction of both sides retaining wall of nallah from Shri. Dina Barde house till touching the road and from Shri. Gopal Satardekar house till touching the road in Donwaddo, Saligao constituency.**

Ref. to Requisition No.: SD II/ WD I /WRD / F.24 /2020-21/ 221 Dated :- 14/ 09 / 2020.

Qty. Received. : 06 Sets of cube Date of Receipt:- 15/ 09 / 2020. Tested on: - 15/09/2020 To 22/09/2020, as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No. : 4118,4119,4120,4123/SS &01,02/RK. Lab. Sample No.: 9361 To 9366

Tested By: Mrs. S.B. Naik Shirodkar. J.E. & Mrs Rashmi Kadam A.E.

Cube testing was witnessed by Sri Rui Cardozo, representative of M/S Aguiyar Construction,Civil Contractors, H.No.559,Caranzal Marcaim, Ponda Goa on 15/09/2020.

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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 18/08/2020.PCC for Foundation RHS	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	4.99	Qty represents - 15.00 Cum for one set of cubes.
			235.59	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 19/08/2020.PCC for Foundation LHS	28 <sup>th</sup> day compressive strength	228.80	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>3</sup>	5.71	.... Do ....
			203.87	Kg/Cm <sup>2</sup>			
			233.32	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm<sup>2</sup></b>			

3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 20/08/2020.PCC for 1st lift RHS	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>4</sup>	4.27	Qty represents - 15.00 Cum for one set of cubes.
			192.55	Kg/Cm <sup>2</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>218.98</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 21/08/2020. PCC for 1st lift LHS	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>5</sup>	6.07	.... Do ....
			206.14	Kg/Cm <sup>2</sup>			
			235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 24/08/2020.PCC for 2nd lift RHS/ LHS	28 <sup>th</sup> day compressive strength	222.00	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>6</sup>	3.56	Qty represents - 20.00 Cum for one set of cubes.
			226.53	Kg/Cm <sup>2</sup>			
			203.87	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 25/08/2020.PCC for 3rd lift top portion.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	2.12	Qty represents - 15.00 Cum for one set of cubes.
			208.40	Kg/Cm <sup>2</sup>			
			217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>214.45</b>	<b>Kg/Cm<sup>2</sup></b>			

Copy to: 1. The Assistant Engineer , SD II , WD I, WRD, Mapusa - 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 I ,WRD, Porvorim - Goa.

4. QC Lab File.      5. Bill File.

Junior Engineer

Assistant Engineer