

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD/QC/ F.6-2 /Cube -T : 270,274 to 276,281,285,289,300,301,307&316/Lab/ /2020 - 2021 Dated:- /11/2020.

Laboratory : Bicholim - Goa.

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

Name of work : Improvement to nallah from Crystal Rock shop upto the beach at Murrod waddo candolim in Calangute constituency.

Ref. to Requisition No.: SD II/ WD I /WRD / F.24 /20-21/ 257 Dated :- 03/ 11 / 2020.

Qty. Received. : 11 Sets of cube Date of Receipt:- 5/ 11 / 2020. Tested on: - 09/11/2020 To 25/11/2020, as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1 : 2 : 4 O.S No. : 4202,4208,4209,4210,4218,4225,4232,4245,4246,4254,4269/SS

Lab. Sample No.: 9501 To 9511

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 12/10/2020.PCC for Foundation RHS ch.0 to 30m	28 <sup>th</sup> day compressive strength	249.18	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>2</sup>	6.07	Qty represents - 20.00 Cum for one set of cubes.
			203.87	Kg/Cm <sup>2</sup>			
			215.20	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm<sup>2</sup></b>			
2	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 13/10/2020.PCC for Foundation LHS ch.0 to 30m	28 <sup>th</sup> day compressive strength	221.99	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>3</sup>	15.78	.... Do ....
			210.67	Kg/Cm <sup>3</sup>			
			253.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>228.79</b>	<b>Kg/Cm<sup>5</sup></b>			

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3	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 14/10/2020.PCC for 1st lift ch.0 to 30m RHS ch.0 to 30m LHS	28 <sup>th</sup> day	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>4</sup>	4.99	Qty represents - 32.00 Cum for two set of cubes.
		compressive	199.34	Kg/Cm <sup>2</sup>			
		strength	235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
4	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 14/10/2020.PCC for 1st lift ch.0 to 30m RHS ch.0 to 30m LHS	28 <sup>th</sup> day	217.47	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>4</sup>	15.78	.... Do ....
		compressive	249.18	Kg/Cm <sup>2</sup>			
		strength	262.77	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>243.14</b>	<b>Kg/Cm<sup>2</sup></b>			
5	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 16/10/2020. PCC for 2nd lift ch.0 to 30m RHS/ ch.0 to 30m LHS	28 <sup>th</sup> day	212.93	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>5</sup>	10.75	Qty represents - 20.00 Cum for one set of cubes.
		compressive	231.06	Kg/Cm <sup>2</sup>			
		strength	253.71	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>232.57</b>	<b>Kg/Cm<sup>2</sup></b>			
6	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 19/10/2020.PCC for Foundation RHS ch.30m to 54m	28 <sup>th</sup> day	231.06	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>6</sup>	5.71	Qty represents - 15.00 Cum for one set of cubes.
		compressive	199.34	Kg/Cm <sup>2</sup>			
		strength	235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>222.00</b>				
7	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 21/10/2020.PCC for Foundation RHS ch.30m to 66m LHS	28 <sup>th</sup> day	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	6.43	Qty represents - 23.00 Cum for one set of cubes.
		compressive	206.14	Kg/Cm <sup>2</sup>			
		strength	237.85	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>223.51</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 23/10/2020.PCC for 1st lift ch.30m to 54m RHS 30m to 66m LHS	28 <sup>th</sup> day	237.85	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	9.67	Qty represents - 32.00 Cum for two set of cubes.
		compressive	212.92	Kg/Cm <sup>2</sup>			
		strength	240.12	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>230.30</b>	<b>Kg/Cm<sup>2</sup></b>			

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9	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 23/10/2020.PCC for 1st lift ch.30m to 54m RHS 30m to 66m LHS	28 <sup>th</sup> day	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	8.23	Qty represents - 32.00 Cum for two set of cubes.
		compressive	237.85	Kg/Cm <sup>2</sup>			
		strength	217.47	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>227.28</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 26/10/2020.PCC for 2nd lift ch.30m to 54m RHS 30m to 66m LHS	28 <sup>th</sup> day	203.87	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	7.87	Qty represents - 21.00 Cum for one set of cubes.
		compressive	249.18	Kg/Cm <sup>2</sup>			
		strength	226.53	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 26/10/2020.PCC for 3rd lift ch.0m to 54m RHS 0m to 66m LHS	28 <sup>th</sup> day	226.53	Kg/Cm <sup>2</sup>	210.00 Kg/cm <sup>7</sup>	5.35	Qty represents - 15.00 Cum for one set of cubes.
		compressive	201.61	Kg/Cm <sup>2</sup>			
		strength	235.59	Kg/Cm <sup>2</sup>			
		<b>Average</b>	<b>221.24</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