

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 9827,9828,9847,9848,9867,9868,9896,9897,9914,9915,9962,9963,028,029,042,043,057 & 058 /Lab / **73**/ 2020 - 2021 Dated:- 25/06/2020.  
Laboratory : Bicholim / Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of Work: - Improvement to the nallah from Damian de Goa Showroom to Vetal Temple in V.P. Socorro in Porvorim Constituency.**

Ref. to Requisition No.: SDII/WDI/WRD/ F.24 /2020-21/60 dated :-04/06/2019.

Qty. Recived. : 18 Sets of cube Date of Receipt: 04/06/2020. Tested on: 04/06/2020 To 20/06/2020. as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube 1:2:4 Mix O.S No. :3786,3787,3802,3803,3817,3818,3836,3837,3849,3850,3883,3884,3931,3832,3943,3944,3957 & 3958/SS

Lab. Sample No.: 9066 to 9083 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 1:2:4 , cast on 07/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm2	210 kg/cm2	5.71	Quantity represents 38.00 Cum for two sets of cubes.
			219.73	Kg/Cm2			
			231.06	Kg/Cm2			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm2</b>			
2	Cement concrete cube of mix 1:2:4 , cast on 07/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	210.67	Kg/Cm2	210 kg/cm2	9.67	... Do ...
			226.53	Kg/Cm2			
			253.71	Kg/Cm2			
		<b>Average</b>	<b>230.30</b>	<b>Kg/Cm2</b>			
3	Cement concrete cube of mix 1:2:4 , cast on 08/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm2	210 kg/cm2	7.87	Quantity represents 35.00 Cum for two sets of cubes.
			215.20	Kg/Cm2			
			231.06	Kg/Cm2			
		<b>Average</b>	<b>226.53</b>	<b>Kg/Cm2</b>			
4	Cement concrete cube of mix 1:2:4 , cast on 08/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	12.90	... Do ...
			246.91	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>237.10</b>	<b>Kg/Cm2</b>			
5	Cement concrete cube of mix 1:2:4 , cast on 09/05/2020, for 1 <sup>st</sup> lift nallah wall.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm2	210 kg/cm2	10.03	Quantity represents 38.00 Cum for two sets of cubes.
			237.85	Kg/Cm2			
			219.73	Kg/Cm2			
		<b>Average</b>	<b>231.06</b>	<b>Kg/Cm2</b>			
6	Cement concrete cube of mix 1:2:4 , cast on 09/05/2020, for 1 <sup>st</sup> lift nallah wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm2	210 kg/cm2	4.63	... Do ...
			226.53	Kg/Cm2			
			215.20	Kg/Cm2			
		<b>Average</b>	<b>219.73</b>	<b>Kg/Cm2</b>			

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Cement concrete cube of mix 1:2:4 , cast on 11/05/2020, for 1 <sup>st</sup> lift nallah wall.	28 <sup>th</sup> day compressive strength	233.32	Kg/Cm2	210 kg/cm2	7.51	Quantity represents 39.00 Cum for two sets of cubes.
			217.47	Kg/Cm2			
			226.53	Kg/Cm2			
			<b>Average</b>	<b>225.77</b>			
8	Cement concrete cube of mix 1:2:4 , cast on 11/05/2020, for 1 <sup>st</sup> lift nallah wall.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	8.23	... Do ...
			212.93	Kg/Cm2			
			242.38	Kg/Cm2			
			<b>Average</b>	<b>227.28</b>			
9	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm2	210 kg/cm2	8.59	Quantity represents 37.00 Cum for two sets of cubes.
			237.85	Kg/Cm2			
			215.20	Kg/Cm2			
			<b>Average</b>	<b>228.04</b>			
10	Cement concrete cube of mix 1:2:4 , cast on 12/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	235.59	Kg/Cm2	210 kg/cm2	12.90	... Do ...
			226.53	Kg/Cm2			
			249.18	Kg/Cm2			
			<b>Average</b>	<b>237.10</b>			
11	Cement concrete cube of mix 1:2:4 , cast on 15/05/2020, for 2nd lift nallah wall.	28 <sup>th</sup> day compressive strength	208.40	Kg/Cm2	210 kg/cm2	6.43	Quantity represents 38.00 Cum for two sets of cubes.
			226.53	Kg/Cm2			
			235.59	Kg/Cm2			
			<b>Average</b>	<b>223.51</b>			
12	Cement concrete cube of mix 1:2:4 , cast on 15/05/2020, for 2nd lift nallah wall.	28 <sup>th</sup> day compressive strength	219.73	Kg/Cm2	210 kg/cm2	7.15	... Do ...
			231.06	Kg/Cm2			
			224.26	Kg/Cm2			
			<b>Average</b>	<b>225.02</b>			
13	Cement concrete cube of mix 1:2:4 , cast on 21/05/2020, for 3rd lift nallah wall.	28 <sup>th</sup> day compressive strength	217.47	Kg/Cm2	210 kg/cm2	3.91	Quantity represents 39.00 Cum for two sets of cubes.
			208.40	Kg/Cm2			
			228.79	Kg/Cm2			
			<b>Average</b>	<b>218.22</b>			
14	Cement concrete cube of mix 1:2:4 , cast on 21/05/2020, for 3rd lift nallah wall.	28 <sup>th</sup> day compressive strength	215.20	Kg/Cm2	210 kg/cm2	3.55	... Do ...
			231.06	Kg/Cm2			
			206.14	Kg/Cm2			
			<b>Average</b>	<b>217.47</b>			

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissible	% above or below	REMARK
15	Cement concrete cube of mix 1:2:4 , cast on 22/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	224.26	Kg/Cm2	210 kg/cm2	5.71	Quantity represents 38.00 Cum for two sets of cubes.
			203.87	Kg/Cm2			
			237.85	Kg/Cm2			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm2</b>			
16	Cement concrete cube of mix 1:2:4 , cast on 22/05/2020, for foundation nallah wall.	28 <sup>th</sup> day compressive strength	242.38	Kg/Cm2	210 kg/cm2	4.99	... Do ...
			217.47	Kg/Cm2			
			201.61	Kg/Cm2			
		<b>Average</b>	<b>220.49</b>	<b>Kg/Cm2</b>			
17	Cement concrete cube of mix 1:2:4 , cast on 23/05/2020, for 2nd lift nallah wall.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm2	210 kg/cm2	6.07	Quantity represents 38.00 Cum for two sets of cubes.
			215.20	Kg/Cm2			
			222.00	Kg/Cm2			
		<b>Average</b>	<b>222.75</b>	<b>Kg/Cm2</b>			
18	Cement concrete cube of mix 1:2:4 , cast on 23/05/2020, for 2nd lift nallah wall.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	5.71	... Do ...
			201.61	Kg/Cm2			
			226.53	Kg/Cm2			
		<b>Average</b>	<b>222.00</b>	<b>Kg/Cm2</b>			

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

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