

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

Test Report No.: WRD/QC/F.6-2/Cube -T -8693,8694,8706,8707,8715,8716,8729,8730,8743,8744,8749,8750,8758,8759,8802,8803 /Lab/**442** / 2019 -20

Dated:-17 / 02 / 2020

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

**Name of Work: -Improvement and strengthening of nalla bank near the house of shri. Dilip Varak in Sy. No.16/1 of village Bhuipal V.P. Honda in Sattari Taluka.**

**Ref. to Requisition No.:** -F.62/WRD/WDVI/SDII/19-20/418 dt.31/02/2020.

Ref to CPWD :2009, Vol. I

Qty. Recived. : 16 Sets of cube Date of Receipt: - 01/ 02 / 2020. Tested on: -03/02/2020 To 14/02/2020 as per due dates

Sample: P.C.C. 1:2:4 O.S No: 1667,1668/AF,3163,3164/SS,1669,1670,1675,1676,1684,1685/AF,3196,3197/SS,1688,1689,1710,1711/AF.

Lab. Sample No.: 7797 &7812.

Tested By: -Mr.Anil R. Fadte,J.E. & Mrs. S.S. Shirodkar,J.E.

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cubes of mix 1:2:4 cast on 06/ 01 / 2020, for wall foundation bed ch.0-25m LHS.	28th day compressive strength	215.20	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	7.87	Quantity represents 24.00 Cum.
			217.47	Kg/Cm <sup>3</sup>			
			246.91	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>226.53</b>			
2	Plain Cement concrete cubes of mix 1:2:4 cast on 06/ 01 / 2020, for wall foundation bed ch.25-51m LHS.	28th day compressive strength	271.83	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	26.57	Quantity represents 22.50 Cum.
			265.04	Kg/Cm <sup>3</sup>			
			260.51	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>265.79</b>			
3	Plain Cement concrete cubes of mix 1:2:4 cast on 07/ 01 / 2020, for wall foundation bed ch.51-71m LHS.	28th day compressive strength	235.59	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	17.22	Quantity represents 24.50 Cum.
			260.51	Kg/Cm <sup>3</sup>			
			242.38	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>246.16</b>			
4	Plain Cement concrete cubes of mix 1:2:4 cast on 07/ 01 / 2020, for wall foundation bed ch.0-22.5m RHS.	28th day compressive strength	215.20	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	10.39	Quantity represents 23.00 Cum.
			249.18	Kg/Cm <sup>3</sup>			
			231.06	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>231.81</b>			
5	Plain Cement concrete cubes of mix 1:2:4 cast on 08/ 01 / 2020, for wall foundation bed ch.22.5-51m RHS.	28th day compressive strength	269.57	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	20.81	Quantity represents 26.00 Cum.
			249.18	Kg/Cm <sup>3</sup>			
			242.38	Kg/Cm <sup>2</sup>			
			<b>Average</b>	<b>253.71</b>			

Junior Engineer

Assistant Engineer

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
6	Plain Cement concrete cubes of mix 1:2:4 cast on 08/ 01 / 2020, for wall ch.0-14m LHS.	28th day compressive strength	260.51	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	23.69	Quantity represents 15.00 Cum.
			262.77	Kg/Cm <sup>3</sup>			
			255.97	Kg/Cm <sup>2</sup>			
		Average	<b>259.75</b>	<b>Kg/Cm<sup>2</sup></b>			
7	Plain Cement concrete cubes of mix 1:2:4 cast on 09/ 01 / 2020, for wall ch.14-30m LHS.	28th day compressive strength	226.53	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	4.99	Quantity represents 17.00 Cum.
			210.67	Kg/Cm <sup>3</sup>			
			224.26	Kg/Cm <sup>2</sup>			
		Average	<b>220.49</b>	<b>Kg/Cm<sup>2</sup></b>			
8	Plain Cement concrete cubes of mix 1:2:4 cast on 09/ 01 / 2020, for wall ch.30-50m LHS.	28th day compressive strength	208.40	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	4.27	Quantity represents 21.00 Cum.
			217.47	Kg/Cm <sup>3</sup>			
			231.06	Kg/Cm <sup>2</sup>			
		Average	<b>218.98</b>	<b>Kg/Cm<sup>2</sup></b>			
9	Plain Cement concrete cubes of mix 1:2:4 cast on 10/ 01 / 2020, for wall ch.50-61m LHS.	28th day compressive strength	212.93	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	3.55	Quantity represents 13.00 Cum.
			215.20	Kg/Cm <sup>3</sup>			
			224.26	Kg/Cm <sup>2</sup>			
		Average	<b>217.47</b>	<b>Kg/Cm<sup>2</sup></b>			
10	Plain Cement concrete cubes of mix 1:2:4 cast on 10/ 01 / 2020, for wall ch.61-71m LHS.	28th day compressive strength	228.79	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	8.95	Quantity represents 11.00 Cum.
			219.73	Kg/Cm <sup>3</sup>			
			237.85	Kg/Cm <sup>2</sup>			
		Average	<b>228.79</b>	<b>Kg/Cm<sup>2</sup></b>			
11	Plain Cement concrete cubes of mix 1:2:4 cast on 11/ 01 / 2020, for wall ch.0-14m RHS.	28th day compressive strength	271.83	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	26.21	Quantity represents 15.00 Cum.
			262.77	Kg/Cm <sup>3</sup>			
			260.51	Kg/Cm <sup>2</sup>			
		Average	<b>265.04</b>	<b>Kg/Cm<sup>2</sup></b>			
12	Plain Cement concrete cubes of mix 1:2:4 cast on 11/ 01 / 2020, for wall ch.14-23m RHS.	28th day compressive strength	249.18	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	19.74	Quantity represents 10.00 Cum.
			258.24	Kg/Cm <sup>3</sup>			
			246.91	Kg/Cm <sup>2</sup>			
		Average	<b>251.44</b>	<b>Kg/Cm<sup>2</sup></b>			

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SR.NO.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
13	Plain Cement concrete cubes of mix 1:2:4 cast on 12/ 01 / 2020, for wall ch.23-32m RHS.	28th day compressive strength	212.93	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	2.12	Quantity represents 10.50 Cum.
			210.67	Kg/Cm <sup>3</sup>			
			219.73	Kg/Cm <sup>2</sup>			
		Average	<b>214.44</b>	<b>Kg/Cm<sup>2</sup></b>			
14	Plain Cement concrete cubes of mix 1:2:4 cast on 12/ 01 / 2020, for wall ch.32-41m RHS.	28th day compressive strength	217.47	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	1.04	Quantity represents 9.00 Cum.
			208.40	Kg/Cm <sup>3</sup>			
			210.67	Kg/Cm <sup>2</sup>			
		Average	<b>212.18</b>	<b>Kg/Cm<sup>2</sup></b>			
15	Plain Cement concrete cubes of mix 1:2:4 cast on 17/ 01 / 2020, for wall ch.41-51m RHS.	28th day compressive strength	262.77	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	23.33	Quantity represents 5.00 Cum.
			260.51	Kg/Cm <sup>3</sup>			
			253.71	Kg/Cm <sup>2</sup>			
		Average	<b>258.99</b>	<b>Kg/Cm<sup>2</sup></b>			
16	Plain Cement concrete cubes of mix 1:2:4 cast on 17/ 01 / 2020, for wall ch.41-51m RHS.	28th day compressive strength	262.77	Kg/Cm <sup>3</sup>	210.00 Kg/Cm <sup>2</sup>	20.09	Quantity represents 06.00 Cum.
			246.91	Kg/Cm <sup>3</sup>			
			246.91	Kg/Cm <sup>2</sup>			
		Average	<b>252.20</b>	<b>Kg/Cm<sup>2</sup></b>			

1. Copy to: The Assistant Engineer ,SD II,WD VI,WRD, Valpoi-Sattari-Goa.
2. Copy submitted to:The Superintending Engineer ,CPO,WRD, Sinchai Bhavan, Porvorim Goa for kind Information.
3. Copy submitted to:The Executive Engineer ,WDVI,WRD, Bicholim Goa.
4. QC Lab File.      5. Bill File.

Junior Engineer

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