

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 260,263,266,267,272,273 & 280 / Lab / **138** / 2020 - 21 Dated:- 19/11 / 2020 Laboratory : Bicholim - Goa.

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

**Name of Work: - Improvement to existing nallah bank from shri. Gagreshwar Devasthan upto main road at Sinqerim Candolim in Calangute constituency.**

Ref. to Requisition no.: SDII/WDI/WRD/ F.24 /2020-21/290 dated :- 04 / 11 /2020.

Qty. Recived. : 07 Sets of cube Date of Receipt: - 04 / 11 / 2020. Tested on: - 04,05,07,10 & 13 / 11 /2020. Ref to CPWD :2009, Vol. I

Sample: Cube Mix - 1:2:4 O.S No. :-4189,4195,4198,4199 & 4206 /SS Lab. Sample No.: 9494 To 9500 Tested By: Mrs. S.B. Naik 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 cube of mix <b>1:2:4</b> , cast on 07 / 10/2020, For base PCC from ch. 20 to 60 m.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	7.15	Quantity represents 22.00 Cum
			215.20	Kg/Cm2			
			233.32	Kg/Cm2			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm2</b>			
2	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 08 / 10/2020, For base PCC from ch. 00 to 20 m.	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210 kg/cm2	14.34	Quantity represents 23.80 Cum
			233.32	Kg/Cm2			
			249.18	Kg/Cm2			
		<b>Average</b>	<b>240.12</b>	<b>Kg/Cm2</b>			
3	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 10 / 10/2020, For 1st step R. Wall from ch. 20 to 60 m.	28 <sup>th</sup> day compressive strength	255.97	Kg/Cm2	210 kg/cm2	9.31	Quantity represents 18.00 Cum
			231.06	Kg/Cm2			
			201.61	Kg/Cm2			
		<b>Average</b>	<b>229.55</b>	<b>Kg/Cm2</b>			
4	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 10 / 10/2020, For 1st step R. Wall from ch. 0 to 20 m.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210 kg/cm2	7.15	Quantity represents 27.00 Cum
			217.47	Kg/Cm2			
			231.06	Kg/Cm2			
		<b>Average</b>	<b>225.02</b>	<b>Kg/Cm2</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
5	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 13 / 10/2020, For 2 <sup>nd</sup> step R. Wall from ch. 20 to 60 m.	28 <sup>th</sup> day compressive strength	212.93	Kg/Cm2	210 kg/cm2	8.23	Quantity represents 12.00 Cum
			208.40	Kg/Cm2			
			260.51	Kg/Cm2			
			<b>Average</b>	<b>227.28</b>			
6	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 13 / 10/2020, For 2 <sup>nd</sup> step R. Wall from ch. 00 to 20 m.	28 <sup>th</sup> day compressive strength	203.87	Kg/Cm2	210 kg/cm2	3.20	Quantity represents 18.00 Cum
			231.06	Kg/Cm2			
			215.20	Kg/Cm2			
			<b>Average</b>	<b>216.71</b>			
7	Plain Cement concrete cube of mix <b>1:2:4</b> , cast on 16 / 10/2020, For 3 <sup>rd</sup> step R. Wall from ch. 00 to 60 m.	28 <sup>th</sup> day compressive strength	246.91	Kg/Cm2	210 kg/cm2	10.39	Quantity represents 14.00 Cum
			240.12	Kg/Cm2			
			208.40	Kg/Cm2			
			<b>Average</b>	<b>231.81</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.

Junior Engineer

Assistant Engineer