

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7464,7482,7501,7511,7535,7536,7572,7573/ Lab / **222** / 2019 - 20      Dated:- 02/ 07 / 2019  
Laboratory : Bicholim- Goa.      Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of Work: - Renovation of Manas Cum Footbridge at Manaswada V.P. Dhargal - Pernem Taluka.**

Ref. to Requisition no.: MI/SDIII/WDI/WRD/ W.F.21 /2019-20/ 58      Dated :- 03 / 06 / 2019.  
Qty. Recived. : 08 Sets of cube      Date of Receipt: - 04 / 06 / 2019.      Tested on: 25/06/2019 To 01/07/2019. as per due dates.      Ref to CPWD :2002, Vol. I  
Sample: Cube Mix 1 : 2 : 4      O.S No. :- 2363,2381,2400,2410,2434,2435,2454,2455/SS      Lab. Sample No.: 5032 To 5039      Tested By: Mrs. S.B. Naik Shirodkar. J.E.

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SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
1	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 28/05/2019, PCC for Foundation . Represents Qty - 22.00 Cum.	28 <sup>th</sup> day compressive strength	231.06	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	10.03	Excat location of work executed is not specified.
			237.85	Kg/Cm2			
			224.26	Kg/Cm2			
		<b>Average</b>	<b>231.06</b>	<b>Kg/Cm2</b>			
2	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 29/05/2019 , PCC for Foundation / walls . Represents Qty - 21.00 Cum.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	17.22	... Do ...
			260.51	Kg/Cm2			
			251.44	Kg/Cm2			
		<b>Average</b>	<b>246.16</b>	<b>Kg/Cm2</b>			
3	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 30/05/2019 PCC for walls . Represents Qty - 22.00 Cum.	28 <sup>th</sup> day compressive strength	244.65	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	6.79	... Do ...
			219.73	Kg/Cm2			
			208.40	Kg/Cm2			
		<b>Average</b>	<b>224.26</b>	<b>Kg/Cm2</b>			
4	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 31/05/2019, PCC for Foundation . Represents Qty - 20.50 Cum.	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	9.67	... Do ...
			249.18	Kg/Cm2			
			215.20	Kg/Cm2			
		<b>Average</b>	<b>230.30</b>	<b>Kg/Cm2</b>			
5	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 01/06/2019, PCC for Foundation . Represents Qty - 22.00 Cum for two sets of cubes. .	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	16.14	... Do ...
			231.06	Kg/Cm2			
			262.77	Kg/Cm2			
		<b>Average</b>	<b>243.89</b>	<b>Kg/Cm2</b>			
6	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 01/06/2019, PCC for Foundation . Represents Qty - 22.00 Cum for two sets of cubes. .	28 <sup>th</sup> day compressive strength	226.53	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	17.22	... Do ...
			246.91	Kg/Cm2			
			265.04	Kg/Cm2			
		<b>Average</b>	<b>246.16</b>	<b>Kg/Cm2</b>			

Junior Engineer

Assistant Engineer

SR.N O.	DISCRIPTION OF SAMPLE	TESTED FOR	RESULTS		Max./Min.Value permissable	% above or below	REMARK
7	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 03/06/2019, PCC for walls . Represents Qty - 21.00 Cum for two sets of cubes. .	28 <sup>th</sup> day compressive strength	228.79	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	15.78	Excat location of work executed is not specified.
			242.38	Kg/Cm2			
			258.24	Kg/Cm2			
		<b>Average</b>	<b>243.14</b>	<b>Kg/Cm2</b>			
8	Plain Cement concrete cube of mix 1 : 2 : 4 cast on 03/06/2019, PCC for walls . Represents Qty - 21.00 Cum for two sets of cubes. .	28 <sup>th</sup> day compressive strength	237.85	Kg/Cm2	210.00 Kg/Cm <sup>2</sup>	18.30	... Do ...
			262.77	Kg/Cm2			
			244.65	Kg/Cm2			
		<b>Average</b>	<b>248.42</b>	<b>Kg/Cm2</b>			

Copy to: 1. The Assistant Engineer ,SD III, WD I, WRD, Pernem - 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