

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 7602,7604,7634,7663 & 7667 / Lab / **233**/ 2019 - 20

Dated:- 06/ 07 / 2019 Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of Work: - Renovation of Manas - cum foot bridge at Manaswada V.P. Dhargal - Pernem Goa.**

Ref. to Requisition no.: SDIII/WDI/WRD/ F.58 /2019-20/69 dated :-10/06/2019.

Qty. Recived. : 05 Sets of cube Date of Receipt: 10/06/2019. Tested on: 02/07/2019 To 06/07/2019 as per due dates. Ref to CPWD :2002, Vol. I

Sample: Cube 1:2:4 Mix O.S No. : 2480,2483/SS,1014/AF,2496,2503/SS Lab. Sample No.: 6056 to 6060 Tested By: Mrs. S.B. Naik Shirodkar. J.E.

**REPORT PAGE 01 OF 01**

& Mr. Anil R. Fadte. J.E.

| SR.N<br>O. | DISCRIPTION OF SAMPLE   | TESTED FOR                                      | RESULTS       |               | Max./Min.Value<br>permissable | % above or<br>below | REMARK  |
|------------|---|---|---------------|---------------|-------------------------------|---------------------|---|
| 1          | Cement concrete cube of mix 1:2:4 , cast on 04/06/2019, For Foundation. Quantity represents 22.00 Cum       | 28 <sup>th</sup> day<br>compressive<br>strength | 235.59        | Kg/Cm2        | 210 kg/cm2                    | 12.18               | Excat location of work done is not specified. |
|            |   |   | 249.18        | Kg/Cm2        |                               |                     |   |
|            |   |   | 222.00        | Kg/Cm2        |                               |                     |   |
|            |   | <b>Average</b>                                  | <b>235.59</b> | <b>Kg/Cm2</b> |                               |                     |   |
| 2          | Cement concrete cube of mix 1:2:4 , cast on 05/06/2019, For Foundation/walls. Quantity represents 20.50 Cum | 28 <sup>th</sup> day<br>compressive<br>strength | 262.77        | Kg/Cm2        | 210 kg/cm2                    | 17.22               | ... Do ...                                    |
|            |   |   | 249.18        | Kg/Cm2        |                               |                     |   |
|            |   |   | 226.53        | Kg/Cm2        |                               |                     |   |
|            |   | <b>Average</b>                                  | <b>246.16</b> | <b>Kg/Cm2</b> |                               |                     |   |
| 3          | Cement concrete cube of mix 1:2:4 , cast on 06/06/2019, For walls. Quantity represents 22.00 Cum            | 28 <sup>th</sup> day<br>compressive<br>strength | 206.14        | Kg/Cm2        | 210 kg/cm2                    | 5.71                | ... Do ...                                    |
|            |   |   | 235.59        | Kg/Cm2        |                               |                     |   |
|            |   |   | 224.26        | Kg/Cm2        |                               |                     |   |
|            |   | <b>Average</b>                                  | <b>222.00</b> | <b>Kg/Cm2</b> |                               |                     |   |
| 4          | Cement concrete cube of mix 1:2:4 , cast on 07/06/2019, For Foundation. Quantity represents 21.00 Cum       | 28 <sup>th</sup> day<br>compressive<br>strength | 212.93        | Kg/Cm2        | 210 kg/cm2                    | 8.59                | ... Do ...                                    |
|            |   |   | 228.79        | Kg/Cm2        |                               |                     |   |
|            |   |   | 242.38        | Kg/Cm2        |                               |                     |   |
|            |   | <b>Average</b>                                  | <b>228.04</b> | <b>Kg/Cm2</b> |                               |                     |   |
| 5          | Cement concrete cube of mix 1:2:4 , cast on 08/06/2019, For Foundation. Quantity represents 20.50 Cum       | 28 <sup>th</sup> day<br>compressive<br>strength | 240.12        | Kg/Cm2        | 210 kg/cm2                    | 14.70               | ... Do ...                                    |
|            |   |   | 233.32        | Kg/Cm2        |                               |                     |   |
|            |   |   | 249.18        | Kg/Cm2        |                               |                     |   |
|            |   | <b>Average</b>                                  | <b>240.87</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