

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / OC / F.6-2 / Cube -T : 1806.1811.1812.1844.1859.1874 / Lab /55/ 2021 - 22 Dated:-05/05/ 2021. Laboratory : Bicholim - Goa.  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work :Construction of Anjuna Distributory taking off at ch.28.970km of the left Bank Main canal of Tillari irrigation Project in Siolim & Anjuna village of Bardez Taluka.part II:Construction of Rising Main and reinstatement of allied structures of Anjuna Distributory from ch.0.0kms to ch.4.50kms in Cucholim and Siolim village of Bardez Taluka.**

Ref. to Requisition No.: SD III/WDVIII/WRD/WF.32(PART-II)/21-22/09 Dated :- 07/ 04/ 2021.

Qty. Received. :06 Sets of cube Date of Receipt:- 07/04/ 2021. Tested on: -28,29/04/2021 & 01,03,04/05/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No. : 6007,6014,6015,6054,6072,6089/ SS. Lab. Sample No.: 1116 to 1121 Tested By: Mrs. 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 <b>1 : 2 : 4</b> , cast on 31/03/2021.For R/wall at Cucholim bridge. Ch.13.00-26.5m 1 <sup>st</sup> lift. | 28 <sup>th</sup> day compressive strength | 226.53         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 12.54            | Qty represents -20.50 Cum. |
|         |   |   | 235.59         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 246.91         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>236.34</b>      |                            |                  |                            |
| 2       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01/04/2021.For R/wall at Cucholim bridge. Ch.26.50-60.0m 1 <sup>st</sup> lift. | 28 <sup>th</sup> day compressive strength | 219.73         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 8.23             | Qty represents -20.00 Cum. |
|         |   |   | 217.47         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 244.65         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>227.28</b>      |                            |                  |                            |
| 3       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 01/04/2021.For R/wall at Cucholim bridge. Ch.26.50-60.0m 1 <sup>st</sup> lift. | 28 <sup>th</sup> day compressive strength | 203.87         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 7.51             | Qty represents -19.00 Cum. |
|         |   |   | 226.53         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 246.91         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>225.77</b>      |                            |                  |                            |
| 4       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 03/04/2021.For R/wall at Cucholim bridge. Ch.0-17.50m 2 <sup>nd</sup> lift.    | 28 <sup>th</sup> day compressive strength | 237.85         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 9.67             | Qty represents -20.00 Cum. |
|         |   |   | 217.47         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 235.59         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>230.30</b>      |                            |                  |                            |
| 5       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 05/04/2021.For R/wall at Cucholim bridge. Ch.17.50-35.0m 2 <sup>nd</sup> lift. | 28 <sup>th</sup> day compressive strength | 210.67         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 7.51             | Qty represents -18.50 Cum. |
|         |   |   | 237.85         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 228.79         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>225.77</b>      |                            |                  |                            |
| 6       | Cement concrete cube of mix <b>1 : 2 : 4</b> , cast on 06/04/2021.For R/wall at Cucholim bridge. Ch.35.0-51.50m 2 <sup>nd</sup> lift. | 28 <sup>th</sup> day compressive strength | 217.47         | Kg/Cm <sup>2</sup> | 210.00 Kg/cm <sup>2</sup>  | 10.03            | Qty represents -20.00 Cum. |
|         |   |   | 228.79         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | 246.91         | Kg/Cm <sup>2</sup> |                            |                  |                            |
|         |   |   | <b>Average</b> | <b>231.06</b>      |                            |                  |                            |

Copy to: 1. The Assistant Engineer , SD III , WD VIII, Karaswada-Bardez - 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 VIII, Karaswada-Bardez - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer