

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 2501,2538,2548,2603/ Lab /159/ 2021 - 22 Dated:-14/07/ 2021. Laboratory : Bicholim - Goa.

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

**Name of work :Improvement to existing Bandhara at D/S of vehicular bridge at Assonora.Regarding construction of side protection wall at RHS Bank of Assonora.**

Ref. to Requisition No.: F.36/SDIII/WDVI/WRD/2021-22/59 Dated :- 14/ 06/ 2021.

Qty. Received. :04 Sets of cube Date of Receipt:- 14/06/ 2021. Tested on: 05,08,09,12/07/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix PCC 1:2:4 O.S No. : 6747,6786,6796,6852/SS Lab. Sample No.: 1887 to 1890 Tested By: Mrs. Shirodkar. J.E.

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| SR. NO. | DISCRIPTION OF SAMPLE   | TESTED FOR                                | RESULTS       |                          | Max./Min.Value permissable | % above or below | REMARK                     |
|---------|---|---|---------------|--------------------------|----------------------------|------------------|----------------------------|
| 1       | Cement concrete cube of mix <b>1:2:4</b> , cast on 07/06/2021. P.C.C. for Retaining wall 1 <sup>st</sup> lift.                          | 28 <sup>th</sup> day compressive strength | 246.91        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 11.11            | Qty represents -19.00 Cum. |
|         |   |   | 240.12        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   |   | 212.93        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   | <b>Average</b>                            | <b>233.32</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                            |
| 2       | Cement concrete cube of mix <b>1:2:4</b> , cast on 10/06/2021. P.C.C. for Retaining wall 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 -17.00 Cum. |
|         |   |   | 215.20        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   |   | 237.85        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   | <b>Average</b>                            | <b>230.30</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                            |
| 3       | Cement concrete cube of mix <b>1:2:4</b> , cast on 11/06/2021. P.C.C. for Retaining wall 2 <sup>nd</sup> lift and 3 <sup>rd</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 -18.00 Cum. |
|         |   |   | 224.26        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   |   | 237.85        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   | <b>Average</b>                            | <b>227.28</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                            |
| 4       | Cement concrete cube of mix <b>1:2:4</b> , cast on 14/06/2021. P.C.C. for Retaining wall 3 <sup>rd</sup> lift.                          | 28 <sup>th</sup> day compressive strength | 226.53        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 6.43             | Qty represents -15.00 Cum. |
|         |   |   | 212.93        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   |   | 231.06        | Kg/Cm <sup>2</sup>       |                            |                  |                            |
|         |   | <b>Average</b>                            | <b>223.51</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                            |

Copy to: 1. The Assistant Engineer , SD III , WD VI, WRD,Mulgao - 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 VI ,WRD, Bicholim - Goa.

4. QC Lab File. 5. Bill File.

Junior Engineer

Assistant Engineer