

GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT

Test Report No.: WRD / QC / F.6-2 / Cube -T : 1458,1486,1541,1552,1586/ Lab / **17** / 2021 - 22 Dated:- 17/04/ 2021. Laboratory : Bicholim - Goa  
Sub Division V (QC)/WRD/ Bicholim- Goa.

**Name of work : Construction of Bandhara cum Footbridge at Khodgine-Surla in Bicholim Taluka.**

Ref. to Requisition No.:WRD/ SDI/WDVI/F.W.227/2020-21/624 Dated :- 19/ 03 / 2021.

Qty. Received. :05 Sets of cube Date of Receipt:- 22/ 03 / 2021. Tested on: -23,25,29 ,31/03/2021 & 03/04/2021 as per due dates. Ref to CPWD :2009, Vol. I

Sample: Cube Mix 1:2:4 O.S No.5589,5618,5681,5691,5738 /SS Lab. Sample No.: 963 to 967 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 23/02/2021. PCC for Ret wall on U/s side of Bandhara L.H.S Foundation.                | 28 <sup>th</sup> day compressive strength | 226.53        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 7.51             | Qty represents - 21.50 Cum. |
|         |  |   | 215.20        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  |   | 235.59        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  | <b>Average</b>                            | <b>225.77</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                             |
| 2       | Cement concrete cube of mix <b>1:2:4</b> , cast on 25/02/2021. PCC for 3rd step of Ret wall on U/s side of Bandhara L.H.S & D/s R.H.S.   | 28 <sup>th</sup> day compressive strength | 233.32        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 8.23             | Qty represents - 5.50 Cum.  |
|         |  |   | 219.73        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  |   | 228.79        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  | <b>Average</b>                            | <b>227.28</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                             |
| 3       | Cement concrete cube of mix <b>1:2:4</b> , cast on 01/03/2021. PCC for 1st step of Ret wall on U/s side of Bandhara L.H.S ch. 20 to 38m. | 28 <sup>th</sup> day compressive strength | 217.47        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 6.43             | Qty represents - 13.00 Cum. |
|         |  |   | 242.38        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  |   | 210.67        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  | <b>Average</b>                            | <b>223.51</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                             |
| 4       | Cement concrete cube of mix <b>1:2:4</b> , cast on 03/03/2021. PCC for 2nd step of Ret wall on U/s side of Bandhara L.H.S ch. 20 to 38m. | 28 <sup>th</sup> day compressive strength | 201.61        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 7.51             | Qty represents - 9.00 Cum.  |
|         |  |   | 224.26        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  |   | 251.44        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  | <b>Average</b>                            | <b>225.77</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                             |
| 5       | Cement concrete cube of mix <b>1:2:4</b> , cast on 06/03/2021. PCC for 3rd step of Ret wall on U/s side of Bandhara L.H.S ch. 20 to 38m. | 28 <sup>th</sup> day compressive strength | 271.83        | Kg/Cm <sup>2</sup>       | 210.00 Kg/cm <sup>2</sup>  | 23.33            | Qty represents - 5.50 Cum.  |
|         |  |   | 260.51        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  |   | 244.65        | Kg/Cm <sup>2</sup>       |                            |                  |                             |
|         |  | <b>Average</b>                            | <b>258.99</b> | <b>Kg/Cm<sup>2</sup></b> |                            |                  |                             |

Copy to: 1. The Assistant Engineer , SD I , WD VI, WRD, Bicholim- 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