

**GOVERNMENT OF GOA  
QUALITY CONTROL LABORATORY  
WATER RESOURCES DEPARTMENT**

**Test Report No.:** WRD/Q.C./F.6-4/ Laterite -T- 0441 /Lab/ 204 /2020-21

**Dated:** 20/ 01 / 2021.

**Laboratory:** Bicholim

**Sub Div:** V (QC)/WRD/Bicholim Goa.

**Sub:** Improvement to waterways at Vadanchi Dhat Shivolkarwada mulgao in Bicholim Goa.

**Ref to requisition No:** F.36/SDIII/WDVI/WRD/2020-21/165 Dated: 13/01/2021.

**Qty. Received:** 3 Nos **Date of Receipt:** 14/01/2021 **Tested on:** 15/01/2021 **Ref to Specification:** CPWD 2009, GSR 1980.

**Sample:** Laterite Stone **O.S. No.** 4708 **Lab. Sample No.:** 97 **Tested by:** Mrs. S. B. Naik Shirodkar.JE.

**R E P O R T 01 OF 01**

1. **Laterite stone**
- A) Compressive strength test: -
- |                                      |                               |
|--------------------------------------|-------------------------------|
| i) 44.44 Kg /cm <sup>2</sup>         | <b>35.00kg/cm<sup>2</sup></b> |
| ii) 37.50 Kg /cm <sup>2</sup>        |                               |
| iii) 40.86 Kg /cm <sup>2</sup>       |                               |
| Avg. <b>40.93</b> Kg/cm <sup>2</sup> |                               |

Remark: - The average Compressive strength achieved is **16.95 % More** than the specified value of **35 Kg/cm<sup>2</sup>**.

- B) Water Absorption Test.
- |                     |                |
|---------------------|----------------|
| i) 11.35 %          |                |
| ii) 9.89 %          |                |
| iii) 11.11 %        |                |
| Avg. <b>10.78 %</b> | <b>12.00 %</b> |

Remark: The average water absorption is **10.78 %**, less than the maximum permissible limit of **12%**.

To be used for – For side walls of nallah .

- Copy to: 1. The Assistant Engineer, SDIII, WDVI, WRD, Mulgao – Goa.  
2. Copy Submitted to The Superintending Engineer, CPO, WRD, Porvorim – Goa for kind information.  
3. Copy Submitted to The Executive Engineer, W.D. VI, WRD, Bicholim – Goa.  
4. Q.C. Lab file                      5. Bill File.

**Junior Engineer**

**Assistant Engineer**