

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

Test Report No.: WRD/Q.C./F.6-4/Laterite -T- 0443 /Lab/ 77/ 2021-22 **Dated:** 20/ 05/2021. **Laboratory:** Bicholim
Sand-T-5163. **Sub Div:** V (QC)/WRD/Bicholim Goa.

Sub:Improvement to Compound Wall of TIP Complex W.R.D.Karaswada-Bardez-Goa.

Ref to requisition No.:-SDIII/WDVIII/WRD/W.F.75/2021-22/41 **Dated:** 11/05/2021.

Qty. Received: 2Nos **Date of Receipt:** 13/05/2021 **Tested on:** 17,18& 19/05/2021 **Ref to Specification:** CPWD 2009, GSR 1980.

Sample:Laterite Stone **O.S. No.**6222,6244/SS **Lab. Sample No.:** 1536 & 1537 **Tested by:** Mrs. Shirodkar.JE.

Sand

R E P O R T 01 OF 01

| Sr. No. | Description of sample | Tested for | Results | Max. /Min. value permissible | Remarks |
|---------|-------------------------------|---|--|-------------------------------|--|
| 1. | <u>Laterite stone</u> | A) Compressive strength test: - | i) 63.710 Kg /cm ² ii) 44.55 Kg /cm ² iii) 47.26 Kg /cm ² Avg. 51.84 Kg/cm ² | 35.00kg/cm² | Remark: - The average Compressive strength achieved is 48.11 %More thanthe specified value of 35 Kg/cm² . |
| | | B) Water Absorption Test. | i) 9.25 % ii) 9.24 % iii) 9.25 % Avg. 9.24 % | 12.00 % | Remark: The average water absorption is 9.24 % ,less thanthe maximum permissible limit of 12% . |
| 2. | <u>Sand:</u> (L.S.No.1537) | i) Silt & Clay by S.A. method ii) Silt by sedimentation iii) Fineness Modulus iv) Grading Zone | : - 5.20% : - 4.54% : - 2.52% : - II | | REMARK: The observed results are within the permissible limits of the Coarse sand. |

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

Junior Engineer

Assistant Engineer