



**MATERIAL TESTING LABORATORY**  
**MILITARY ENGINEER SERVICES (MES)**  
**TEST RESULT FOR FINENESS MODULUS(F.M.) OF SAND.**

Page No: 27

Copy no : 01

Job No : 16/2025-2026 (Sand).  
Name of Clint : AGE (Navy) Kaptai.  
Ref ltr no : CEN/30 of 2022-2023/28/E-6 Dt.29 July'2025  
Project Name : Construction of Road/Hardstanding.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 31 July'2025  
Test Standard : ASTM/BS

| Sieve Size | Wt of Material Retained(gms) | Percentage Material Retained(Round) | Cumulative % Retained | %Finer | Remarks  |
|------------|------------------------------|-------------------------------------|-----------------------|--------|----------|
| # 4        | 1.58                         | 0.40                                | 0.40                  |        |          |
| # 8        | 7.96                         | 1.99                                | 2.39                  |        |          |
| #16        | 40.18                        | 10.05                               | 12.43                 |        |          |
| # 30       | 186.9                        | 46.73                               | 59.16                 |        |          |
| # 50       | 137.47                       | 34.37                               | 93.52                 |        | FM= 2.68 |
| #100       | 24.44                        | 6.11                                | 99.63                 |        |          |
| # 200      | 1.45                         | 0.36                                | ..                    |        |          |
| #Pan       | 0                            | 0.00                                | ...                   |        |          |
|            |                              |                                     | Σ= 267.52             |        |          |

**Cautions :**

- 1 Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative character of the sample to be tested.
- 2 It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
- 3 In order to be avoid fraudulent fabrication of the test result ,it is recommended that test reports should be collected by duly authorized person and not by the contractor/supplier.

**Observation on Specimen(if any):**

1

Laboratory Technician

Test Performed By

Vetted By

**Permissible Value:**

- 1.For Sylhet/Domar sand minimum FM will be = 2.50
- 2.For Local sand minimum FM will be = 1.5
- 3.For Vitty sand minimum FM will be = 0.80



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Page No: 28

Copy no : 02

Job No : 16/2024-2025(Sand).  
Name of Clint : AGE (Navy) Kaptai.  
Ref ltr no : CEN/30 of 2022-2023/28/E-6 Dt.29 July'2025  
Project Name : Construction of Road/Hardstanding.  
Sample Specimen : Local Sand  
Dt of sample collection : 31 July'2025  
Test Standard : ASTM/BS

| Sieve Size | Wt of Material Retained(gms) | Percentage Matarial Retained(Round) | Cumulative % Retained | %Finer | Remarks  |
|------------|------------------------------|-------------------------------------|-----------------------|--------|----------|
| # 4        | 0                            | 0.00                                | 0.00                  |        |          |
| # 8        | 0                            | 0.00                                | 0.00                  |        |          |
| #16        | 16.96                        | 4.24                                | 4.24                  |        |          |
| # 30       | 59.99                        | 15.00                               | 19.24                 |        |          |
| # 50       | 165.77                       | 41.44                               | 60.68                 |        | FM= 1.81 |
| #100       | 143.58                       | 35.90                               | 96.58                 |        |          |
| # 200      | 12.15                        | 3.04                                | ..                    |        |          |
| #Pan       | 1.5                          | 0.38                                | ...                   |        |          |
|            |                              |                                     | Σ= 180.73             |        |          |

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**Observation on Specimen(if any):**

1

Laboratory Technician

Test Performed By

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**Permissable Value:**

- 1.For Sylhet/Domar sand minimum FM will be = 2.50
- 2.For Local sand minimum FM will be = 1.5
- 3.For Vitty sand minimum FM will be = 0.80