



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

Page No: 41

Copy no : 01

Job No : 41/2025-2026 (Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : 6000/Test /35/E-6 Dt.07 Sep'2025  
Project Name : Construction of administrative,emergency,casualty and Opd Bldg.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 08 Sep'2025  
Test Standard : ASTM/BS

| Sieve Size | Wt of Material Retained(gms) | Percentage Material Retained(Round) | Cumulative % Retained | %Finer | Remarks  |
|------------|------------------------------|-------------------------------------|-----------------------|--------|----------|
| # 4        | 2.8                          | 0.70                                | 0.70                  |        |          |
| # 8        | 7.99                         | 2.00                                | 2.70                  |        |          |
| #16        | 34.36                        | 8.59                                | 11.29                 |        |          |
| # 30       | 214.22                       | 53.56                               | 64.84                 |        |          |
| # 50       | 120.57                       | 30.14                               | 94.99                 |        | FM= 2.72 |
| #100       | 8.76                         | 2.19                                | 97.18                 |        |          |
| # 200      | 1.46                         | 0.37                                | ..                    |        |          |
| #Pan       | 0                            | 0.00                                | ...                   |        |          |
|            |                              |                                     | Σ= 271.69             |        |          |

**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: 42

Copy no : 02

Job No : 41/-2025(Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : 6000/Test /35/E-6 Dt.07 Sep'2025  
Project Name : Construction of administrative,emergency,casualty and Opd Bldg.  
Sample Specimen : Local Sand  
Dt of sample collection : 08 Sep'2025  
Test Standard : ASTM/BS

| Sieve Size | Wt of Material Retained(gms) | Percentage Material Retained(Round) | Cumulative % Retained | %Finer | Remarks  |
|------------|------------------------------|-------------------------------------|-----------------------|--------|----------|
| # 4        | 0                            | 0.00                                | 0.00                  |        |          |
| # 8        | 0                            | 0.00                                | 0.00                  |        |          |
| #16        | 2.98                         | 0.75                                | 0.75                  |        |          |
| # 30       | 32.48                        | 8.12                                | 8.87                  |        |          |
| # 50       | 266.92                       | 66.73                               | 75.60                 |        | FM= 1.83 |
| #100       | 90.27                        | 22.57                               | 98.16                 |        |          |
| # 200      | 5.21                         | 1.30                                | ..                    |        |          |
| #Pan       | 2.3                          | 0.58                                | ...                   |        |          |
|            |                              |                                     | Σ= 183.37             |        |          |

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

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Laboratory Technician

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- 3.For Vitty sand minimum FM will be = 0.80