



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

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Copy no : 01

Job No : 65/2025-2026 (Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 01 Jan'2026
Test Standard : ASTM/BS

| Sieve Size | Wt of Material Retained(gms) | Percentage Material Retained(Round) | Cumulative % Retained | %Finer | Remarks |
|------------|------------------------------|-------------------------------------|-----------------------|--------|----------|
| # 4 | 1.7 | 0.43 | 0.43 | | |
| # 8 | 25.61 | 6.40 | 6.83 | | |
| #16 | 60.82 | 15.21 | 22.03 | | |
| # 30 | 164.2 | 41.05 | 63.08 | | |
| # 50 | 121.32 | 30.33 | 93.41 | | FM= 2.85 |
| #100 | 23.29 | 5.82 | 99.24 | | |
| # 200 | 2.38 | 0.60 | .. | | |
| #Pan | 0.53 | 0.13 | ... | | |
| | | | Σ= 285.02 | | |

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 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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Job No : 65/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Local Sand
Dt of sample collection : 01 Jan'2026
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 | 2.91 | 0.73 | 0.73 | | |
| #16 | 33.85 | 8.46 | 9.19 | | |
| # 30 | 83.4 | 20.85 | 30.04 | | |
| # 50 | 158.14 | 39.54 | 69.58 | | FM= 2.05 |
| #100 | 105.11 | 26.28 | 95.85 | | |
| # 200 | 13.87 | 3.47 | .. | | |
| #Pan | 2.35 | 0.59 | ... | | |
| | | | Σ= 205.39 | | |

Cautions :

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- 3 In order to 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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TEST RESULT FOR FINENESS MODULUS(F.M.) OF SAND.

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Job No : 07/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Local Sand (FM = 1.20)
Dt of sample collection : 01 Jan'2026

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 | 4.22 | 1.06 | 1.06 | | |
| #16 | 65.35 | 16.34 | 17.39 | | |
| # 30 | 70.42 | 17.61 | 35.00 | | |
| # 50 | 95.12 | 23.78 | 58.78 | | FM= 1.97 |
| #100 | 105.95 | 26.49 | 85.27 | | |
| # 200 | 52.93 | 13.23 | .. | | |
| #Pan | 5.84 | 1.46 | ... | | |
| | | | Σ= 197.49 | | |

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.
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- 3 In order to 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