



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

Page No: 153

Copy no : 01

Job No : 66/2025-2026 (Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/200 of 2024-2025/19/E-6 Dt.30 Dec'2025
Project Name : Construction of Administrative Building.
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	3.78	0.95	0.95		
# 8	17.53	4.38	5.33		
#16	70.52	17.63	22.96		
# 30	140.16	35.04	58.00		
# 50	104.47	26.12	84.12		FM= 2.67
#100	47.58	11.90	96.01		
# 200	15.99	4.00	..		
#Pan	0	0.00	...		
			Σ= 267.35		

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



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

Page No: 154

Copy no : 02

Job No : 66/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/200 of 2024-2025/19/E-6 Dt.30 Dec'2025
Project Name : Construction of Administrative Building.
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	0	0.00	0.00		
#16	0.45	0.11	0.11		
# 30	2.78	0.70	0.81		
# 50	213.94	53.49	54.29		FM= 1.50
#100	161	40.25	94.54		
# 200	16.95	4.24	..		
#Pan	4.82	1.21	...		
			Σ= 149.76		

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



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

Page No: 32

Copy no : 03

Job No : 07/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/200 of 2024-2025/19/E-6 Dt.30 Dec'2025
Project Name : Construction of Administrative Building.
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.
- 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