



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

Page No: 55

Copy no : 01

Job No : 50/2025-2026 (Sand).  
Name of Clint : GE (Navy) North, Chattogram.  
Ref ltr no : CEN/89 of 2024-2025/29/E-6 Dt.15 Sep'2025  
Project Name : Construction of CMH.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 18 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	16.64	4.16	4.16		
#16	88.48	22.12	26.28		
# 30	169.41	42.35	68.63		
# 50	106.4	26.60	95.23		FM= 2.94
#100	16.58	4.15	99.38		
# 200	2	0.50	..		
#Pan	0.70	0.18	...		
			Σ= 293.68		

**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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Copy no : 02

Job No : 50/-2025(Sand).  
Name of Clint : GE (Navy) North, Chattogram.  
Ref ltr no : CEN/89 of 2024-2025/29/E-6 Dt.15 Sep'2025  
Project Name : Construction of CMH.  
Sample Specimen : Local Sand  
Dt of sample collection : 18 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	1.02	0.26	0.26		
# 30	7.92	1.98	2.24		
# 50	216.63	54.16	56.39		FM= 1.56
#100	163.29	40.82	97.22		
# 200	10.16	2.54	..		
#Pan	0.72	0.18	...		
			Σ= 156.10		

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- 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):**

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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