



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

Page No: 76

Copy no : 01

Job No : 48/2024-2025(Sand).  
Name of Clint : GE (Navy) North, Chattogram.  
Ref ltr no : CEN/17 of 2023-2024/26/E-6 Dt.19 Jan'2025  
Project Name : Construction of 04 storey Bldg with workshop & utility vehicle shed.  
Sample Specimen : Sylhet Sand  
Dt of sample collection : 20 Jan'2025  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.1	1.28	1.28		
# 8	15.35	3.84	5.11		
#16	69.54	17.39	22.50		
# 30	158.25	39.56	62.06		
# 50	122.35	30.59	92.65		FM= 2.83
#100	27.97	6.99	99.64		
# 200	1.13	0.28	..		
#Pan	0.31	0.08	...		
			Σ= 283.23		

**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: 77

Copy no : 02

Job No : 48/2024-2025(Sand).  
Name of Clint : GE (Navy) North, Chattogram.  
Ref ltr no : CEN/17 of 2023-2024/26/E-6 Dt.19 Jan'2025  
Project Name : Construction of 04 storey Bldg with workshop & utility vehicle shed.  
Sample Specimen : Local Sand  
Dt of sample collection : 20 Jan'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	10.4	2.60	2.60		
# 30	51.75	12.94	15.54		
# 50	230.99	57.75	73.29		FM= 1.86
#100	86.61	21.65	94.94		
# 200	16.26	4.07	..		
#Pan	3.99	1.00	...		
			Σ= 186.36		

**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