



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

Page No: 104

Copy no : 01

Job No : 65/2024-2025 (Sand).  
Name of Clint : AGE (Air) Air HQ (U).  
Ref ltr no : CE Air/212 of 2022-2023/33/E-6 Dt.06 Mar'2025  
Project Name : Construction of Boundary Wall.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 09 Mar'2025  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	2.12	0.53	0.53		
# 8	17.85	4.46	4.99		
#16	120.78	30.20	35.19		
# 30	158.76	39.69	74.88		
# 50	88.46	22.12	96.99		FM= 3.12
#100	10.2	2.55	99.54		
# 200	1.5	0.38	..		
#Pan	0	0.00	...		
			Σ= 312.12		

**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: 105

Copy no : 02

Job No : 65/2024-2025(Sand).  
Name of Clint : AGE (Air) Air HQ (U).  
Ref ltr no : CE Air/212 of 2022-2023/33/E-6 Dt.06 Mar'2025  
Project Name : Construction of Boundary Wall.  
Sample Specimen : Local Sand  
Dt of sample collection : 09 Mar'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	0.5	0.13	0.13		
# 30	29.3	7.33	7.45		
# 50	232.18	58.05	65.50		FM= 1.64
#100	100.65	25.16	90.66		
# 200	32.032	8.01	..		
#Pan	4.74	1.19	...		
			Σ= 163.73		

**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