



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

Page No: 07

Copy no : 01

Job No : 05/2025-2026 (Sand).  
Name of Clint : GE (Army) Rangpur.  
Ref ltr no : EinC/281 of 2021-2022/56/E-6 Dt.30 Jun'2025  
Project Name : Construction of 2 x Gate with Sentry Box.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 02 July'2025  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0.73	0.18	0.18		
# 8	12.23	3.06	3.24		
#16	210.98	52.75	55.99		
# 30	98.35	24.59	80.57		
# 50	53.37	13.34	93.92		FM= 3.33
#100	19.24	4.81	98.73		
# 200	4.02	1.01	..		
#Pan	0.45	0.11	...		
			Σ= 332.62		

**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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Name of Clint : GE (Army) Rangpur.  
Ref ltr no : EinC/281 of 2021-2022/56/E-6 Dt.30 Jun'2025  
Project Name : Construction of 2 x Gate with Sentry Box.  
Sample Specimen : Local Sand  
Dt of sample collection : 02 July'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	0.91	0.23	0.23		
#16	0.66	0.17	0.39		
# 30	9.97	2.49	2.89		
# 50	231.7	57.93	60.81		FM= 1.60
#100	138.6	34.65	95.46		
# 200	16.08	4.02	..		
#Pan	2.07	0.52	...		
			Σ= 159.78		

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**Observation on Specimen(if any):**

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Laboratory Technician

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- 1.For Sylhet/Domar sand minimum FM will be = 2.50
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- 3.For Vitty sand minimum FM will be = 0.80