



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

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Copy no : 01

Job No : 80/2024-2025 (Sand).  
Name of Clint : GE (Army) Savar.  
Ref ltr no : EinC/201 of 2023-2024/24/E-6 Dt.14 May'2025.  
Project Name : Construction of Meat processing plant Building.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 15 May '2025  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	3.28	0.82	0.82		
# 8	26.95	6.74	7.56		
#16	117.38	29.35	36.90		
# 30	114.53	28.63	65.54		
# 50	60.18	15.05	80.58		FM= 2.76
#100	14.38	3.60	84.18		
# 200	1.99	0.50	..		
#Pan	0	0.00	...		
			Σ= 275.57		

**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 oder 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

**Permissable 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) Savar.  
Ref ltr no : EinC/201 of 2023-2024/24/E-6 Dt.14 May'2025.  
Project Name : Construction of Meat processing plant Building.  
Sample Specimen : Local Sand  
Dt of sample collection : 15 May '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	1.27	0.32	0.32		
# 30	9.08	2.27	2.59		
# 50	236.15	59.04	61.63		FM= 1.61
#100	141.01	35.25	96.88		
# 200	11.01	2.75	..		
#Pan	1.4	0.35	...		
			Σ= 161.41		

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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