



**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 : 54/2024-2025 (Sand).  
Name of Clint : GE (Army) Chattogram.  
Ref ltr no : CEA/259 of 2022-2023/15/E-6 Dt.12 Feb'2025  
Project Name : Construction of 1 x SMBK.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 16 Feb'2025  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.52	1.38	1.38		
# 8	24.08	6.02	7.40		
#16	95.57	23.89	31.29		
# 30	189.21	47.30	78.60		
# 50	81.26	20.32	98.91		FM= 3.17
#100	2.66	0.67	99.58		
# 200	0.79	0.20	..		
#Pan	0.82	0.21	...		
			Σ= 317.15		

**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



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Job No : 54/2024-2025(Sand).  
Name of Clint : GE (Army) Chattogram.  
Ref ltr no : CEA/259 of 2022-2023/15/E-6 Dt.12 Feb'2025  
Project Name : Construction of 1 x SMBK.  
Sample Specimen : Local Sand  
Dt of sample collection : 16 Feb'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	0.55	0.14	0.14		
#16	0.44	0.11	0.25		
# 30	6.39	1.60	1.85		
# 50	255.35	63.84	65.68		FM= 1.66
#100	129	32.25	97.93		
# 200	7.37	1.84	..		
#Pan	0.9	0.23	...		
			Σ= 165.85		

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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