



**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 : 11/2025-2026 (Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : CEN/207 of 2024-2025/06/E-6 Dt.15 July'2025  
Project Name : Construction of 50000 gallon water reservoir.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 20 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	12.13	3.03	3.22		
#16	210.98	52.75	55.96		
# 30	98.36	24.59	80.55		
# 50	53.36	13.34	93.89		FM= 3.32
#100	19.2	4.80	98.69		
# 200	4.01	1.00	..		
#Pan	0.45	0.11	...		
			Σ= 332.49		

**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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Job No : 11/2024-2025(Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : CEN/207 of 2024-2025/06/E-6 Dt.15 July'2025  
Project Name : Construction of 50000 gallon water reservoir.  
Sample Specimen : Local Sand  
Dt of sample collection : 20 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	0.00	0.00		
#16	1.89	0.47	0.47		
# 30	9.9	2.48	2.95		
# 50	213.58	53.40	56.34		FM= 1.54
#100	150.66	37.67	94.01		
# 200	21.2	5.30	..		
#Pan	2.66	0.67	...		
			Σ= 153.77		

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

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Laboratory Technician

Test Performed By

Vetted By

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- 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