



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

Page No: 160

Copy no : 01

Job No : 69/2025-2026 (Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : CEN/55 of 2025-2026/05/E-6 Dt.11 Jan'2026.  
Project Name : Construction of 1 x 56 'B' & 'C' Type Officer's Qtr.  
Sample Specimen : Sylhet Sand.  
Dt of sample collection : 12 Jan'2026  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.55	1.39	1.39		
# 8	24.72	6.18	7.57		
#16	96.16	24.04	31.61		
# 30	158.97	39.74	71.35		
# 50	86.89	21.72	93.07		FM= 3.04
#100	22.76	5.69	98.76		
# 200	3.58	0.90	..		
#Pan	0.93	0.23	...		
			$\Sigma=$ 303.75		

**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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Copy no : 02

Job No : 69/2025-2025 (Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : CEN/55 of 2025-2026/05/E-6 Dt.11 Jan'2026.  
Project Name : Construction of 1 x 56 'B' & 'C' Type Officer's Qtr.  
Sample Specimen : Local Sand  
Dt of sample collection : 12 Jan'2026  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0	0.00	0.00		
# 8	0	0.00	0.00		
#16	0.48	0.12	0.12		
# 30	10.88	2.72	2.84		
# 50	265.7	66.43	69.27		FM= 1.69
#100	110.08	27.52	96.79		
# 200	11.25	2.81	..		
#Pan	1.28	0.32	...		
			Σ= 169.01		

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Page No: 42

Copy no : 02

Job No : 07/2024-2025(Sand).  
Name of Clint : GE (Navy) Khulna.  
Ref ltr no : CEN/55 of 2025-2026/05/E-6 Dt.11 Jan'2026.  
Project Name : Construction of 1 x 56 'B' & 'C' Type Officer's Qtr.  
Sample Specimen : Local Sand  
Dt of sample collection : 12 Jan'2026  
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0	0.00	0.00		
# 8	4.22	1.06	1.06		
#16	65.35	16.34	17.39		
# 30	70.42	17.61	35.00		
# 50	95.12	23.78	58.78		FM= 1.97
#100	105.95	26.49	85.27		
# 200	52.93	13.23	..		
#Pan	5.84	1.46	...		
			Σ= 197.49		

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