



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

Page No: 38

Copy no : 01

Job No : 22/2025-2026 (Sand).
Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/182 of 2024-2025/11/E-6 Dt.31 Jul'2025
Project Name : Construction of Multipurpose Building.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 07 Aug'2025
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	...		
			Σ= 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



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

Page No: 39

Copy no : 02

Job No : 22/2024-2025(Sand).
Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/182 of 2024-2025/11/E-6 Dt.31 Jul'2025
Project Name : Construction of Multipurpose Building.
Sample Specimen : Local Sand
Dt of sample collection : 07 Aug'2025
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		

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