



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

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Job No : 108 (D)/2025-2026 (Sand).
Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/81 of 2025-2026/04/E-6 Dt.28 Oct'2025.
Project Name : Construction of Multipurpose Building.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 03 Nov'2025

Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	1.00	0.25	0.25		
# 8	5.36	1.34	1.59		
#16	25.77	6.44	8.03		
# 30	177.25	44.31	52.35		
# 50	156.99	39.25	91.59		FM= 2.53
#100	30.58	7.65	99.24		
# 200	2.53	0.63	..		
#Pan	0.45	0.11	...		
			Σ= 253.05		

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



**MATERIAL TESTING LABORATORY
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Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/81 of 2025-2026/04/E-6 Dt.28 Oct'2025.
Project Name : Construction of Multipurpose Building.
Sample Specimen : Local Sand
Dt of sample collection : 03 Nov'2025

Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0.00	0.00	0.00		
# 8	1.52	0.38	0.38		
#16	6.26	1.57	1.95		
# 30	39.82	9.96	11.90		
# 50	207.00	51.75	63.65		FM= 1.71
#100	117.20	29.30	92.95		
# 200	23.05	5.76	..		
#Pan	5.00	1.25	...		
			$\Sigma = 170.83$		

Cautions :

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- 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):

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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