



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

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Job No : 20/2025-2026 (Sand).
Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/92 of 2024-2025/10/E-6 Dt.04 Aug'2025
Project Name : Construction of Multipurpose Building.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 06 Aug'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.11	1.28	1.28		
# 8	36.7	9.18	10.45		
#16	94.44	23.61	34.06		
# 30	156.82	39.21	73.27		
# 50	83.17	20.79	94.06		FM= 3.12
#100	21.07	5.27	99.33		
# 200	2.59	0.65	..		
#Pan	0	0.00	...		
			Σ= 312.45		

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 : 20/2024-2025(Sand).
Name of Clint : GE (Navy) Dhaka.
Ref ltr no : CEN/92 of 2024-2025/10/E-6 Dt.04 Aug'2025
Project Name : Construction of Multipurpose Building.
Sample Specimen : Local Sand
Dt of sample collection : 06 Aug'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	0.59	0.15	0.15		
#16	7.44	1.86	2.01		
# 30	81.21	20.30	22.31		
# 50	235.22	58.81	81.12		FM= 2.04
#100	69.89	17.47	98.59		
# 200	4.29	1.07	..		
#Pan	0	0.00	...		
			Σ= 204.17		

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.
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- 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