



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 : 32/2025-2026 (Sand).
Name of Clint : GE (Air) Tejgaon.
Ref ltr no : CE Air/239 of 2024-2025/14/E-6 Dt.31 Aug'2025
Project Name : Construction of medical squadron.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 02 Sep'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	8.77	2.19	2.19		
# 8	18.02	4.51	6.70		
#16	70.4	17.60	24.30		
# 30	200.74	50.19	74.48		
# 50	87.66	21.92	96.40		FM= 3.03
#100	11.38	2.85	99.24		
# 200	2.82	0.71	..		
#Pan	0	0.00	...		
			Σ= 303.31		

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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Page No: 50

Copy no : 02

Job No : 32/2024-2025(Sand).
Name of Clint : GE (Air) Tejgaon.
Ref ltr no : CE Air/239 of 2024-2025/14/E-6 Dt.31 Aug'2025
Project Name : Construction of medical squadron.
Sample Specimen : Local Sand
Dt of sample collection : 02 Sep'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	0.56	0.14	0.14		
# 30	8.39	2.10	2.24		
# 50	213.6	53.40	55.64		FM= 1.52
#100	152.95	38.24	93.88		
# 200	20.6	5.15	..		
#Pan	3.85	0.96	...		
			Σ= 151.89		

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