



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

Page No: 08

Copy no : 01

Job No : 06/2025-2026 (Sand).
Name of Clint : GE (Army) CMH, Dhaka.
Ref ltr no : CEA/418 of 2024-2025/13/E-6 Dt.25 Jun'2025
Project Name : Construction of Multistoried Hospital Bldg.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 02 July'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	3.18	0.80	0.80		
# 8	22.86	5.72	6.51		
#16	91.82	22.96	29.47		
# 30	138.07	34.52	63.98		
# 50	92.84	23.21	87.19		FM= 2.85
#100	40	10.00	97.19		
# 200	9.12	2.28	..		
#Pan	1.25	0.31	...		
			Σ= 285.14		

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



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Job No : 06/2025-2026 (Sand).
Name of Client : GE (Army) CMH, Dhaka.
Ref ltr no : CEA/418 of 2024-2025/13/E-6 Dt.25 Jun'2025
Project Name : Construction of Multistoried Hospital Bldg.
Sample Specimen : Local Sand
Dt of sample collection : 02 July'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0.94	0.24	0.24		
# 8	3.28	0.82	1.06		
#16	18.28	4.57	5.63		
# 30	101.02	25.26	30.88		
# 50	190.66	47.67	78.55		FM= 2.15
#100	81.65	20.41	98.96		
# 200	3.32	0.83	..		
#Pan	0.74	0.19	...		
			Σ= 215.30		

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Observation on Specimen(if any):

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