



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

Page No: 49

Copy no : 01

Job No : 45/2025-2026 (Sand).
Name of Clint : GE (Army) Savar.
Ref ltr no : CEA/391 of 2024-2025/12/E-6 Dt.04 Sep'2025
Project Name : Construction of 1x SMBK.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 08 Sep'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	2.72	0.68	0.68		
# 8	11.28	2.82	3.50		
#16	80.56	20.14	23.64		
# 30	181.51	45.38	69.02		
# 50	95.96	23.99	93.01		FM= 2.89
#100	25.33	6.33	99.34		
# 200	2.01	0.50	..		
#Pan	0.47	0.12	...		
			Σ= 289.19		

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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Page No: 50

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Job No : 45/-2025(Sand).
Name of Clint : GE (Army) Savar.
Ref ltr no : CEA/391 of 2024-2025/12/E-6 Dt.04 Sep'2025
Project Name : Construction of 1x SMBK.
Sample Specimen : Local Sand
Dt of sample collection : 08 Sep'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	0.00	0.00		
#16	1.17	0.29	0.29		
# 30	10.18	2.55	2.84		
# 50	278.93	69.73	72.57		FM= 1.69
#100	82.09	20.52	93.09		
# 200	24.61	6.15	..		
#Pan	2.02	0.51	...		
			Σ= 168.79		

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