



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

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Job No : 53/2025-2026 (Sand).
Name of Clint : GE (Army) Savar.
Ref ltr no : CEA/332 of 2024-2025/19/E-6 Dt.24 Sep'2025
Project Name : Construction of 1 x SM BK.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 06 Oct'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	14.23	3.56	3.56		
# 8	50.51	12.63	16.19		
#16	119.9	29.98	46.16		
# 30	150.64	37.66	83.82		
# 50	58.49	14.62	98.44		FM= 3.48
#100	5.99	1.50	99.94		
# 200	0.18	0.05	..		
#Pan	0	0.00	...		
			Σ= 348.11		

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 : 53/-2025(Sand).
Name of Clint : GE (Army) Savar.
Ref ltr no : CEA/332 of 2024-2025/19/E-6 Dt.24 Sep'2025
Project Name : Construction of 1 x SM BK.
Sample Specimen : Local Sand
Dt of sample collection : 06 Oct'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	0.55	0.14	0.14		
#16	0.44	0.11	0.25		
# 30	6.39	1.60	1.85		
# 50	255.35	63.84	65.68		FM= 1.66
#100	129	32.25	97.93		
# 200	7.37	1.84	..		
#Pan	0.09	0.02	...		
			Σ= 165.85		

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