



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

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Job No : 48/2025-2026 (Sand).
Name of Clint : GE (Army) South,Dhaka.
Ref ltr no : Einc/139 of 2024-2025/11/E-6 Dt.08 Sep'2025
Project Name : Construction of 1x SMBK.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 09 Sep'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.65	1.41	1.41		
# 8	36.37	9.09	10.51		
#16	104.69	26.17	36.68		
# 30	156.05	39.01	75.69		
# 50	71.73	17.93	93.62		FM= 3.16
#100	19.82	4.96	98.58		
# 200	3.81	0.95	..		
#Pan	76.00	19.00	...		
			Σ= 316.49		

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



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Job No : 48/-2025(Sand).
Name of Clint : GE (Army) South,Dhaka.
Ref ltr no : Einc/139 of 2024-2025/11/E-6 Dt.08 Sep'2025
Project Name : Construction of 1x SMBK.
Sample Specimen : Local Sand
Dt of sample collection : 09 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	1.91	0.48	0.48		
# 30	24.47	6.12	6.60		
# 50	242.6	60.65	67.25		FM= 1.71
#100	119.03	29.76	97.00		
# 200	11.47	2.87	..		
#Pan	0.5	0.13	...		
			Σ= 171.32		

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- 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):

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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