



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 : 07/2025-2026 (Sand).
Name of Clint : GE (Army) Mirpur.
Ref ltr no : CEA/317 of 2024-2025/08/E-6 Dt.10 July'2025
Project Name : Construction of 1 x Composite SMBK Complex.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 10 July'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	9	2.25	2.25		
# 8	24.38	6.10	8.35		
#16	83.86	20.97	29.31		
# 30	204.67	51.17	80.48		
# 50	66.74	16.69	97.16		FM= 3.17
#100	7.41	1.85	99.02		
# 200	0.91	0.23	..		
#Pan	0.42	0.11	...		
			Σ= 316.56		

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 : 07/2024-2025(Sand).
Name of Clint : GE (Army) Mirpur.
Ref ltr no : CEA/317 of 2024-2025/08/E-6 Dt.10 July'2025
Project Name : Construction of 1 x Composite SMBK Complex.
Sample Specimen : Local Sand
Dt of sample collection : 10 July'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	1.78	0.45	0.45		
# 8	3.14	0.79	1.23		
#16	5.35	1.34	2.57		
# 30	30.99	7.75	10.32		
# 50	271.37	67.84	78.16		FM= 1.90
#100	77.63	19.41	97.57		
# 200	7.27	1.82	..		
#Pan	2.35	0.59	...		
			Σ= 190.28		

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- 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):

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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