



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

Page No: 06

Copy no : 01

Job No : 04/2025-2026 (Sand).
Name of Clint : GE (Army) Rangpur.
Ref ltr no : EinC/281 of 2021-2022/57/E-6 Dt.30 Jun'2025
Project Name : Construction of 2 x Gate with Sentry Box.
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	0.73	0.18	0.18		
# 8	12.23	3.06	3.24		
#16	210.98	52.75	55.99		
# 30	98.35	24.59	80.57		
# 50	53.37	13.34	93.92		FM= 3.33
#100	19.24	4.81	98.73		
# 200	4.02	1.01	..		
#Pan	0.45	0.11	...		
			Σ= 332.62		

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



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Job No : 03/2025-2026 (Sand).
Name of Clint : GE (Army) Rangpur.
Ref ltr no : EinC/281 of 2021-2022/57/E-6 Dt.30 Jun'2025
Project Name : Construction of 2 x Gate with Sentry Box.
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	0.00	0.00		
# 8	2.01	0.50	0.50		
#16	3.85	0.96	1.47		
# 30	8.95	2.24	3.70		
# 50	179.97	44.99	48.70		FM= 1.48
#100	178.31	44.58	93.27		
# 200	25.1	6.28	..		
#Pan	0.96	0.24	...		
			Σ= 147.64		

Cautions :

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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

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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