



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

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Job No : 74/2024-2025 (Sand).
Name of Clint : AGE (Army) Bhatary.
Ref ltr no : CEA/398 of 2022-2023/15/E-6 Dt.30 Apr'2025.
Project Name : Construction of 8 x Horse stables.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 05 May '2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	5.52	1.38	1.38		
# 8	23.08	5.77	7.15		
#16	95.57	23.89	31.04		
# 30	189.21	47.30	78.35		
# 50	81.26	20.32	98.66		FM= 3.16
#100	2.66	0.67	99.33		
# 200	1.79	0.45	..		
#Pan	0.82	0.21	...		
			Σ= 315.90		

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 : 74/2024-2025(Sand).
Name of Clint : AGE (Army) Bhatary.
Ref ltr no : CEA/398 of 2022-2023/15/E-6 Dt.30 Apr'2025.
Project Name : Construction of 8 x Horse stables.
Sample Specimen : Local Sand
Dt of sample collection : 05 May '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	10.17	2.54	2.54		
#16	25.73	6.43	8.98		
# 30	32.18	8.05	17.02		
# 50	115.24	28.81	45.83		FM= 1.68
#100	193.04	48.26	94.09		
# 200	19.96	4.99	..		
#Pan	3.68	0.92	...		
			Σ= 168.46		

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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