



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

Page No: 90

Copy no : 01

Job No : 70/2024-2025 (Sand).
Name of Clint : GE (Navy) Khulna.
Ref ltr no : CEN/01 of 2023-2024/55/E-6 Dt.13 Mar'2025
Project Name : Construction of 1 x 56 'B' type & 'C' type officer's Qtr.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 18 Mar'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	1.32	0.33	0.33		
# 8	22.16	5.54	5.87		
#16	70.6	17.65	23.52		
# 30	146.43	36.61	60.13		
# 50	134.5	33.63	93.75		FM= 2.83
#100	23.08	5.77	99.52		
# 200	0.8	0.20	..		
#Pan	0	0.00	...		
			Σ= 283.12		

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 : 70/2024-2025(Sand).
Name of Clint : GE (Navy) Khulna.
Ref ltr no : CEN/01 of 2023-2024/55/E-6 Dt.13 Mar'2025
Project Name : Construction of 1 x 56 'B' type & 'C' type officer's Qtr.
Sample Specimen : Local Sand
Dt of sample collection : 18 Mar'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	0.00	0.00		
#16	0.5	0.13	0.13		
# 30	16.45	4.11	4.24		
# 50	240.5	60.13	64.36		FM= 1.64
#100	123.2	30.80	95.16		
# 200	15.98	4.00	..		
#Pan	3.35	0.84	...		
			Σ= 163.89		

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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

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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