



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

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Job No : 68/2024-2025 (Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref ltr no : CEN/84 of 2023-2024/13/E-6 Dt.05 Mar'2025
Project Name : Construction of improving the Drainage System.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 09 Mar'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	4.57	1.14	1.14		
# 8	26.99	6.75	7.89		
#16	88.99	22.25	30.14		
# 30	127.92	31.98	62.12		
# 50	84.1	21.03	83.14		FM= 2.79
#100	47.07	11.77	94.91		
# 200	18.15	4.54	..		
#Pan	1.5	0.38	...		
			Σ= 279.34		

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 : 68/2024-2025(Sand).
Name of Client : GE (Navy) North, Chattogram.
Ref ltr no : CEN/84 of 2023-2024/13/E-6 Dt.05 Mar'2025
Project Name : Construction of improving the Drainage System.
Sample Specimen : Local Sand
Dt of sample collection : 09 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	1.13	0.28	0.28		
#16	2.7	0.68	0.96		
# 30	11.48	2.87	3.83		
# 50	295.31	73.83	77.66		FM= 1.80
#100	76.8	19.20	96.86		
# 200	10.21	2.55	..		
#Pan	1.75	0.44	...		
			Σ= 179.58		

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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