



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

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Job No : 69/2024-2025 (Sand).
Name of Client : GE (Navy) North, Chattogram.
Ref Itr no : CEN/88 of 2023-2024/13/E-6 Dt.26 Feb'2025
Project Name : Construction of Administrative Building.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 10 Mar'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	2.1	0.53	0.53		
# 8	22.04	5.51	6.04		
#16	119.02	29.76	35.79		
# 30	196.18	49.05	84.84		
# 50	50.46	12.62	97.45		FM= 3.24
#100	7.2	1.80	99.25		
# 200	1.35	0.34	..		
#Pan	0.46	0.12	...		
			$\Sigma=$ 323.89		

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 : 69/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref Itr no : CEN/88 of 2023-2024/13/E-6 Dt.26 Feb'2025
Project Name : Construction of Administrative Building.
Sample Specimen : Local Sand
Dt of sample collection : 10 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	0.3	0.08	0.08		
#16	0.51	0.13	0.20		
# 30	6.15	1.54	1.74		
# 50	236.02	59.01	60.75		FM= 1.60
#100	145.55	36.39	97.13		
# 200	10.02	2.51	..		
#Pan	1.2	0.30	...		
			$\Sigma=$ 159.90		

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