



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

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Job No : 65/2025-2026 (Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref Itr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 01 Jan'2026
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retainned(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	1.7	0.43	0.43		
# 8	25.61	6.40	6.83		
#16	60.82	15.21	22.03		
# 30	164.2	41.05	63.08		
# 50	121.32	30.33	93.41		FM= 2.85
#100	23.29	5.82	99.24		
# 200	2.38	0.60	..		
#Pan	0.53	0.13	...		
			$\Sigma= 285.02$		

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 oder 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 : 65/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref Itr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Local Sand
Dt of sample collection : 01 Jan'2026

Test Standard : ASTM/BS

Sieve Size	Wt of Material Retainned(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0	0.00	0.00		
# 8	2.91	0.73	0.73		
#16	33.85	8.46	9.19		
# 30	83.4	20.85	30.04		
# 50	158.14	39.54	69.58		FM= 2.05
#100	105.11	26.28	95.85		
# 200	13.87	3.47	..		
#Pan	2.35	0.59	...		
			$\Sigma= 205.39$		

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 oder 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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MILITARY ENGINEER SERVICES (MES)
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Job No : 07/2024-2025(Sand).
Name of Clint : GE (Navy) North, Chattogram.
Ref Itr no : CEN/210 of 2024-2025/14/E-6 Dt.30 Dec'2025
Project Name : Construction of Mosque.
Sample Specimen : Local Sand (FM = 1.20)
Dt of sample collection : 01 Jan'2026

Test Standard : ASTM/BS

Sieve Size	Wt of Material Retainned(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0	0.00	0.00		
# 8	4.22	1.06	1.06		
#16	65.35	16.34	17.39		
# 30	70.42	17.61	35.00		
# 50	95.12	23.78	58.78		FM= 1.97
#100	105.95	26.49	85.27		
# 200	52.93	13.23	..		
#Pan	5.84	1.46	...		
			$\Sigma= 197.49$		

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 oder 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