



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

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Job No : 64/2024-2025 (Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/211 of 2022-2023/34/E-6 Dt.06 Mar'2025
Project Name : Construction of Boundary Wall, Guard Room & Gate.
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	2.24	0.56	0.56		
# 8	27.42	6.86	7.42		
#16	120.3	30.08	37.49		
# 30	150.15	37.54	75.03		
# 50	88.3	22.08	97.10		FM= 3.17
#100	10.25	2.56	99.67		
# 200	1	0.25	..		
#Pan	0	0.00	...		
			Σ= 317.26		

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 : 64/2024-2025(Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/211 of 2022-2023/34/E-6 Dt.06 Mar'2025
Project Name : Construction of Boundary Wall, Guard Room & Gate.
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	0.4	0.10	0.10		
#16	0.5	0.13	0.23		
# 30	10.1	2.53	2.75		
# 50	290.4	72.60	75.35		FM= 1.76
#100	89.2	22.30	97.65		
# 200	8.4	2.10	..		
#Pan	0.09	0.02	...		
			Σ= 176.08		

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- 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):

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Laboratory Technician

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Permissible Value:

- 1.For Sylhet/Domar sand minimum FM will be = 2.50
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- 3.For Vitty sand minimum FM will be = 0.80