



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

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Job No : 62/2024-2025 (Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/205 of 2022-2023/31/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	2.8	0.70	0.70		
# 8	24.14	6.04	6.74		
#16	118.1	29.53	36.26		
# 30	155.5	38.88	75.14		
# 50	90.45	22.61	97.75		FM= 3.16
#100	8.6	2.15	99.90		
# 200	0.4	0.10	..		
#Pan	0	0.00	...		
			Σ= 316.48		

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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Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/205 of 2022-2023/31/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	0.00	0.00		
#16	0.56	0.14	0.14		
# 30	10.91	2.73	2.87		
# 50	288.92	72.23	75.10		FM= 1.76
#100	91.56	22.89	97.99		
# 200	7.7	1.93	..		
#Pan	0.35	0.09	...		
			Σ= 176.09		

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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