



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

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Job No : 60/2024-2025 (Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/206 of 2022-2023/30/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	5.54	1.39	1.39		
# 8	27.67	6.92	8.30		
#16	83.51	20.88	29.18		
# 30	134.8	33.70	62.88		
# 50	100.08	25.02	87.90		FM= 2.86
#100	34.83	8.71	96.61		
# 200	10.74	2.69	..		
#Pan	2.72	0.68	...		
			Σ= 286.26		

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 : 60/2024-2025(Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/206 of 2022-2023/30/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	5.59	1.40	1.40		
# 30	17.49	4.37	5.77		
# 50	215.08	53.77	59.54		FM= 1.66
#100	158.11	39.53	99.07		
# 200	1.02	0.26	..		
#Pan	0.38	0.10	...		
			Σ= 165.78		

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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