



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

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Job No : 66/2024-2025 (Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/213 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 Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	2.76	0.69	0.69		
# 8	18.43	4.61	5.30		
#16	66.79	16.70	22.00		
# 30	174.7	43.68	65.67		
# 50	108.84	27.21	92.88		FM= 2.85
#100	22.83	5.71	98.59		
# 200	3.8	0.95	..		
#Pan	0.85	0.21	...		
			Σ= 285.12		

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

Permissable 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 : 66/2024-2025(Sand).
Name of Clint : AGE (Air) Air HQ (U).
Ref ltr no : CE Air/213 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	0.00	0.00		
#16	0.3	0.08	0.08		
# 30	4.8	1.20	1.28		
# 50	240.9	60.23	61.50		FM= 1.60
#100	141.5	35.38	96.88		
# 200	11.2	2.80	..		
#Pan	2.18	0.55	...		
			Σ= 159.73		

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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
- 2.For Local sand minimum FM will be = 1.5
- 3.For Vitty sand minimum FM will be = 0.80