



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

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Copy no : 01

Job No : 53/2024-2025 (Sand).
Name of Clint : AGE (Air) Cox's Bazar.
Ref ltr no : EinC/190 of 2023-2024/08/E-6 Dt.13 Feb'2025
Project Name : Construction of Road for 1 x Academic & Administrative Bldg.
Sample Specimen : Sylhet Sand.
Dt of sample collection : 16 Feb'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Material Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	3.13	0.78	0.78		
# 8	15.8	3.95	4.73		
#16	67.74	16.94	21.67		
# 30	158.9	39.73	61.39		
# 50	122.08	30.52	91.91		FM= 2.78
#100	22.6	5.65	97.56		
# 200	6.07	1.52	..		
#Pan	2.6	0.65	...		
			Σ= 278.05		

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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Name of Clint : AGE (Air) Cox's Bazar.
Ref ltr no : EinC/190 of 2023-2024/08/E-6 Dt.13 Feb'2025
Project Name : Construction of Road for 1 x Academic & Administrative Bldg.
Sample Specimen : Local Sand
Dt of sample collection : 16 Feb'2025
Test Standard : ASTM/BS

Sieve Size	Wt of Material Retained(gms)	Percentage Matarial Retained(Round)	Cumulative % Retained	%Finer	Remarks
# 4	0	0.00	0.00		
# 8	0.08	0.02	0.02		
#16	0.23	0.06	0.08		
# 30	11.4	2.85	2.93		
# 50	325.39	81.35	84.28		FM= 1.86
#100	56.78	14.20	98.47		
# 200	5.91	1.48	..		
#Pan	0.21	0.05	...		
			Σ= 185.77		

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- 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