MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

Mobile: 01769-012888, http://mes.org.bd

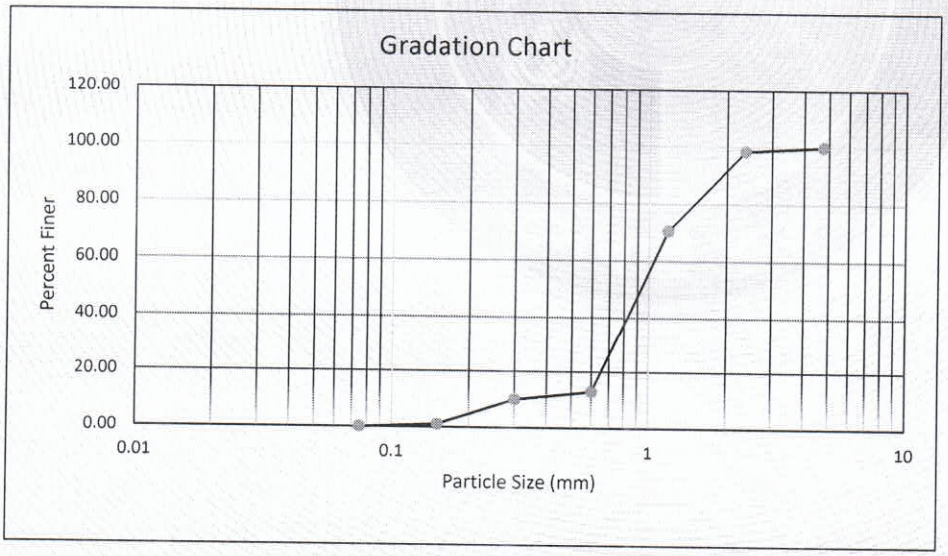
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

Sieve Analysis and Grain Size Distribution of Sand (ASTM C136)

Job No : 107/2025-2026 (Sand).
Reference: : EINC/78 of 2025-2026/25/E-6 Dt.23 Jun'2026.
Sample send by : GE (Army) Sylhet.
Project : Construction of 1 x 16 'D' Type Officer's Qtr.
Sample : Sylhet Sand
Date of Sample collection : 24 Jun'2026
Date of Test : 24 Jun'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	0	0.00	0.00	100.00	
2.360	6	1.50	1.50	98.50	
1.180	111.61	27.90	29.40	70.60	
0.600	230.46	57.62	87.02	12.98	
0.300	49.4	12.35	99.37	10.00	FM = 3.17
0.150	1.99	0.50	99.87	1.00	
0.075	0	0.00	..	0.00	
#Pan	0	0.00	...	0.00	
Total	399.46	99.87	Σ= 317.15		



Material Testing Laboratory Military Engineer Services (MES)

Report Prepared by :

MD IKBAL HOSSEN
SAE B/R
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Test Performed by :

AHASAN HABIB
AE B/R
Actg SO-III (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Countersigned by :

MD ATIKUR RAHMAN
MAJOR
OIC (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

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