



MILITARY ENGINEER SERVICES (MES)

M E S
Material Testing
Laboratory

MATERIAL TESTING LABORATORY

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

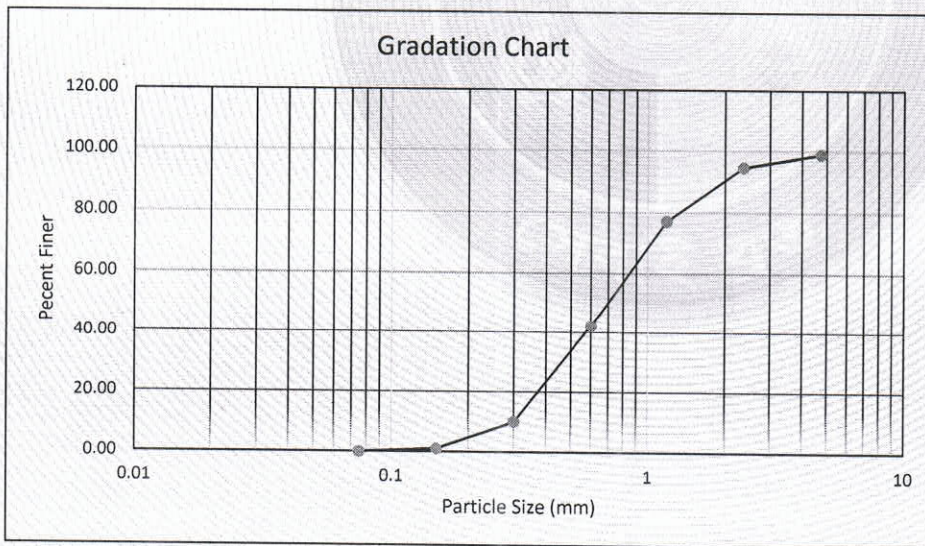
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 344(D)/2025-2026 (Sand).
 Reference: : Work order-01/2025/Multipurpose Complex/12/E-6 Dt.04 May'2026.
 Sample send by : GE (Army) Sylhet.
 Project : Construction of Multipurpose Complex.
 Sample : Sylhet Sand.
 Date of Sample collection : 10 May'2026
 Date of Test : 10 May'2026

TEST RESULTS

Sieve Size	Material Retained	Percentage of Material Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	3.7	0.93	0.93	99.08	FM = 2.66
2.360	17.58	4.40	5.32	94.68	
1.180	70.5	17.63	22.95	77.06	
0.600	139.18	34.80	57.74	42.26	
0.300	104.66	26.17	83.91	10.00	
0.150	46.56	11.64	95.55	1.00	
0.075	16.3	4.08	..	0.00	
#Pan	0.88	0.22	...	0.00	
Total	399.36	99.84	Σ= 266.38		



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.

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

