



MILITARY ENGINEER SERVICES (MES)

M E S
Material Testing
Laboratory

MATERIAL TESTING LABORATORY

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

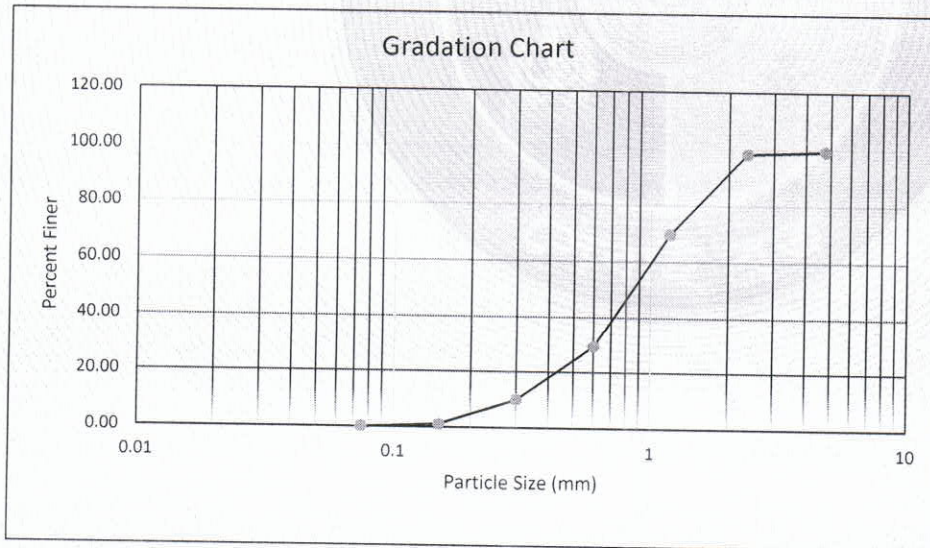
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 02/2026-2027 (Sand).
Reference: : EinC/13 of 2025-2026/31/E-6 Dt.01 Jul'2026.
Sample send by : AGE (Navy) Mongla.
Project : Construction of Multipurpose Building.
Sample : Sylhet Sand
Date of Sample collection : 02 Jul'2026
Date of Test : 02 Jul'2026

TEST RESULTS

Sieve Size	Material Retained	Percentage of Material Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	2.5	0.63	0.63	99.38	FM = 2.96
2.360	4.11	1.03	1.65	98.35	
1.180	114.7	28.68	30.33	69.67	
0.600	161.37	40.34	70.67	29.33	
0.300	90.66	22.67	93.34	10.00	
0.150	23.9	5.98	99.31	1.00	
0.075	0.34	0.09	..	0.00	
#Pan	0	0.00	...	0.00	
Total	397.58	99.40	$\Sigma = 295.92$		



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

