



MILITARY ENGINEER SERVICES (MES)



MATERIAL TESTING LABORATORY

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

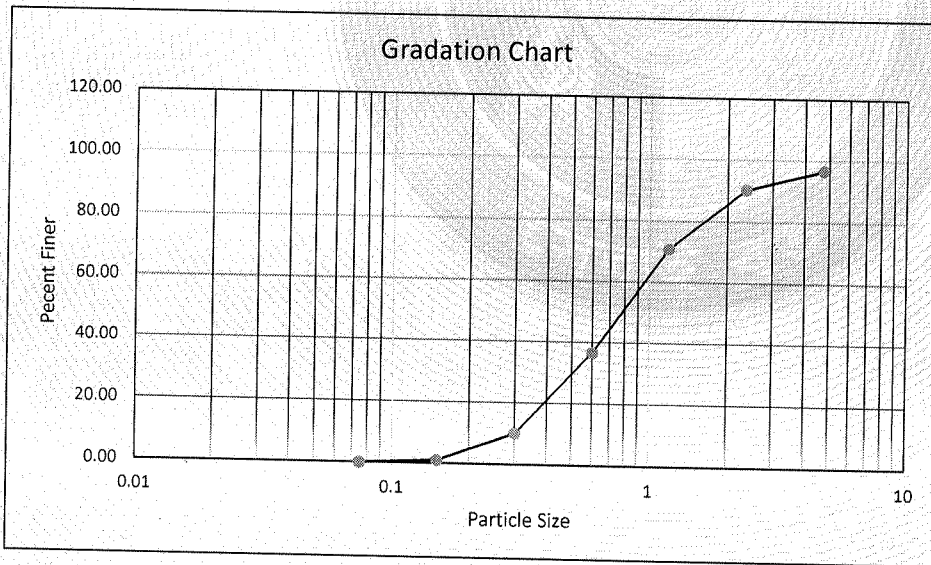
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 94/2025-2026 (Sand).
 Reference: : CEA/256 of 2022-2023/71/E-6 Dt.27 Apr'2026.
 Sample send by : GE (Army) Cumilla.
 Project : Construction of 1 x 56 family Qtr.
 Sample : Sylhet Sand.
 Date of Sample collection : 28 Apr'2026
 Date of Test : 28 Apr'2026

TEST RESULTS

Sieve Size	Material Retained	Percentage of Material Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	13.14	3.29	3.29	96.72	FM = 2.94
2.360	25.51	6.38	9.66	90.34	
1.180	78.8	19.70	29.36	70.64	
0.600	136.39	34.10	63.46	36.54	
0.300	107.02	26.76	90.22	10.00	
0.150	32.09	8.02	98.24	1.00	
0.075	3.87	0.97	..	0.00	
#Pan	0.97	0.24	...	0.00	
Total	397.79	99.45	Σ= 294.22		



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

