



MILITARY ENGINEER SERVICES (MES)

MES
Material Testing
Laboratory

MATERIAL TESTING LABORATORY

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

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

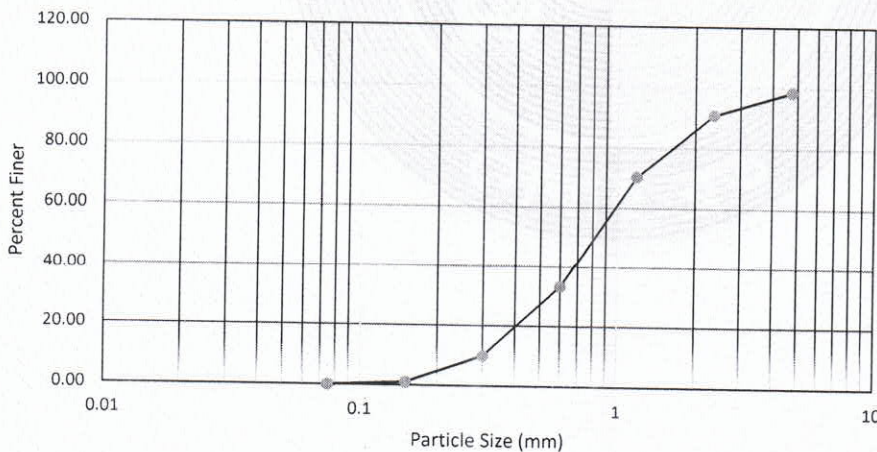
Sieve Analysis and Grain Size Distribution of Sand (ASTM C136)

Job No : 04/2026-2027 (Sand).
Reference: : CEA/414 of 2025-2026/14/E-6 Dt.06 Jul'2026.
Sample send by : GE (Army) Sylhet.
Project : Construction of 1 x 104 OR's Family Qtr.
Sample : Sylhet Sand.
Date of Sample collection : 09 Jul'2026
Date of Test : 09 Jul'2026

TEST RESULTS

Sieve Size	Material Retained	Percentage of Material Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	5.7	1.43	1.43	98.58	FM = 3.00
2.360	30.6	7.65	9.08	90.93	
1.180	82.5	20.63	29.70	70.30	
0.600	147.43	36.86	66.56	33.44	
0.300	110.2	27.55	94.11	10.00	
0.150	18.2	4.55	98.66	1.00	
0.075	4.6	1.15	..	0.00	
#Pan	0.4	0.10	...	0.00	
Total	399.63	99.91	Σ= 299.52		

Gradation Chart



Report Prepared by :

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Test Performed by :

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Countersigned by :

MD ATIKUR RAHMAN
MAJOR
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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

