



# MILITARY ENGINEER SERVICES (MES)

MES  
Material Testing  
Laboratory

## MATERIAL TESTING LABORATORY

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

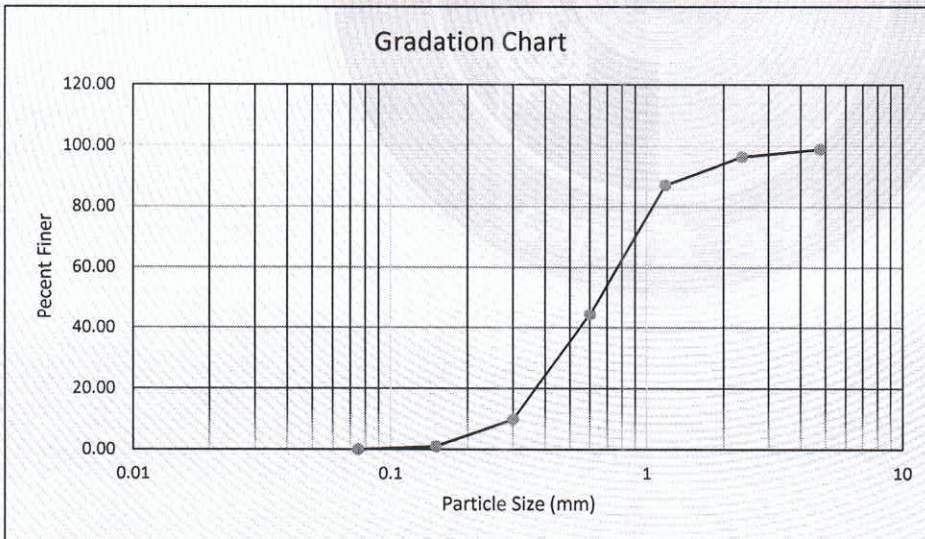
### TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 99/2025-2026 (Sand).  
Reference: : CEA/279 of 2024-2025/25/E-6 Dt.06 May'2026.  
Sample send by : GE (Army) Savar.  
Project : Construction of Road.  
Sample : Sylhet Sand.  
Date of Sample collection : 07 May'2026  
Date of Test : 07 May'2026

#### TEST RESULTS

Sieve Size	Material Retained	Percentage of Material Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	FM = 2.65
4.750	4.21	1.05	1.05	98.95	
2.360	9.98	2.50	3.55	96.45	
1.180	37.7	9.43	12.97	87.03	
0.600	170.31	42.58	55.55	44.45	
0.300	148.29	37.07	92.62	10.00	
0.150	25.95	6.49	99.11	1.00	
0.075	2.99	0.75	..	0.00	
#Pan	0.5	0.13	...	0.00	
Total	399.93	99.98	$\Sigma = 264.86$		



Report Prepared by :

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Test Performed by :

AHASAN HABIB  
AE B/R  
Actg SO-III (Lab)  
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Countersigned by :

MD ATIKUR RAHMAN  
MAJOR  
OIC (Lab)  
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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

