MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

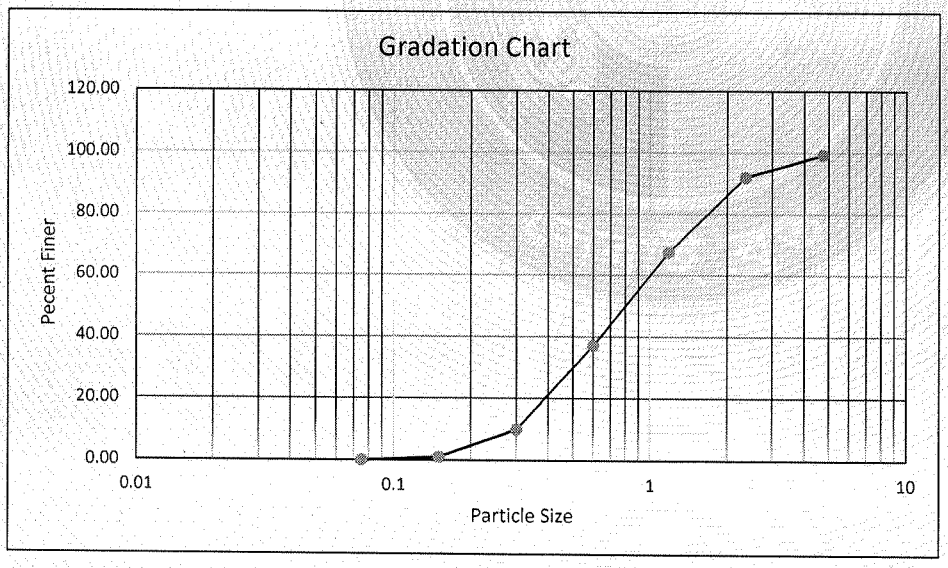
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 336(D)/2025-2026 (Sand).
Reference: : CEA/289 of 2022-2023/68/E-6 Dt.26 Apr'2026.
Sample send by : GE (Army) Cumilla.
Project : Construction of 1 x 10 'B' Type Qtr.
Sample : Sylhet Sand.
Date of Sample collection : 27 Apr'2026
Date of Test : 28 Apr'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	2.71	0.68	0.68	99.32	
2.360	29.28	7.32	8.00	92.00	
1.180	98.1	24.53	32.52	67.48	
0.600	121.63	30.41	62.93	37.07	
0.300	74.73	18.68	81.61	10.00	FM = 2.85
0.150	69.94	17.49	99.10	1.00	
0.075	3.12	0.78	..	0.00	
#Pan	0.26	0.07	...	0.00	
Total	399.77	99.94	Σ= 284.84		



Report Prepared by :

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Test Performed by :

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Permissable 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