MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

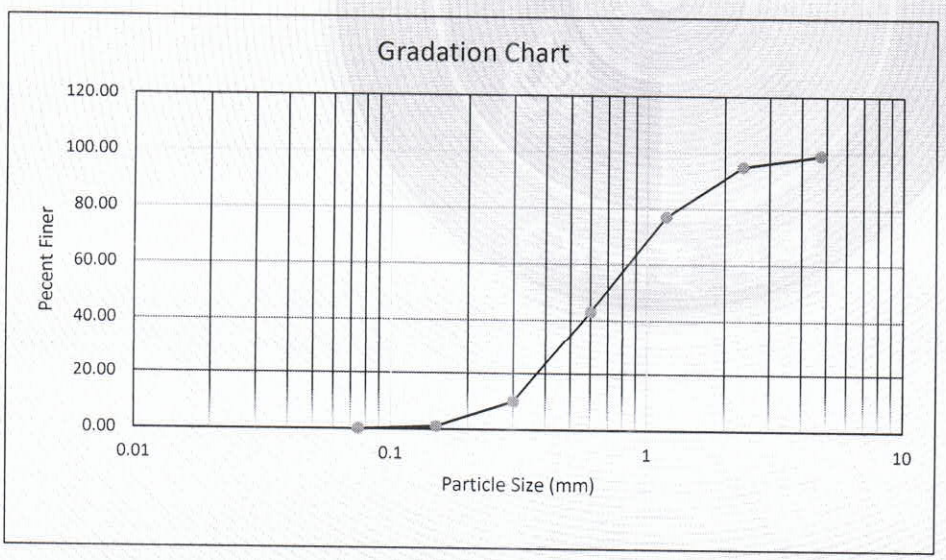
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 102/2025-2026 (Sand).
Reference: : CEN/65 of 2025-2026/06/E-6 Dt.24 May'2026.
Sample send by : GE (Navy) Dhaka.
Project : Construction of RCC Road/Hardstanding.
Sample : Sylhet Sand
Date of Sample collection : 02 Jun'2026
Date of Test : 02 Jun'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	3.7	0.93	0.93	99.08	
2.360	16.58	4.15	5.07	94.93	
1.180	71.5	17.88	22.95	77.06	
0.600	136.18	34.05	56.99	43.01	
0.300	107.66	26.92	83.91	10.00	FM = 2.65
0.150	46.56	11.64	95.55	1.00	
0.075	16.3	4.08	..	0.00	
#Pan	0.88	0.22	...	0.00	
Total	399.36	99.84	Σ= 265.38		



Material Testing Laboratory Military Engineer Services (MES)

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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