MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

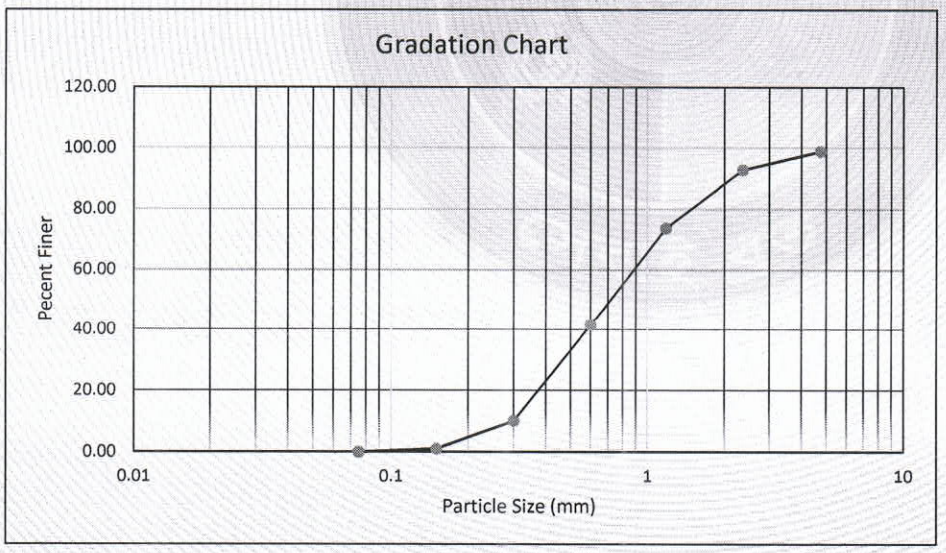
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 95/2025-2026 (Sand).
Reference: : CEN/42 of 2025-2026/22/E-6 Dt.28 Apr'2026.
Sample send by : GE (Navy) North, Chattogram.
Project : Construction of RCC Palasiding.
Sample : Sylhet Sand.
Date of Sample collection : 30 Apr'2026
Date of Test : 30 Apr'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	4.47	1.12	1.12	98.88	
2.360	24.47	6.12	7.24	92.77	
1.180	76.34	19.09	26.32	73.68	
0.600	128.76	32.19	58.51	41.49	
0.300	120.53	30.13	88.64	10.00	FM = 2.80
0.150	38.24	9.56	98.20	1.00	
0.075	5.12	1.28	..	0.00	
#Pan	1.4	0.35	...	0.00	
Total	399.33	99.83	Σ= 280.03		



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