MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

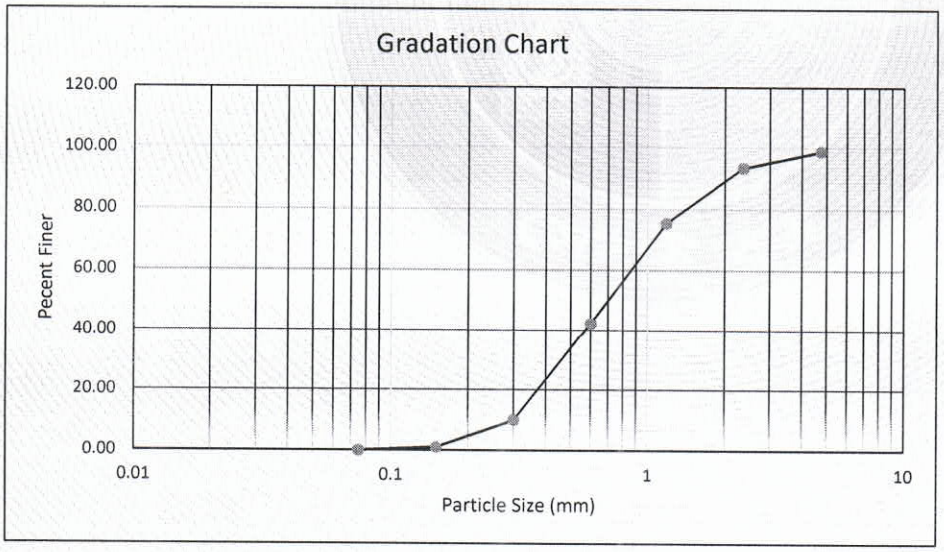
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 100/2025-2026 (Sand).
Reference: : EinC/148 of 2025-2026/05/E-6 Dt.17 May'2026.
Sample send by : AGE (Navy) Mongla.
Project : Construction of 1 x Quarterdeck with parade ground.
Sample : Sylhet Sand.
Date of Sample collection : 18 May'2026
Date of Test : 19 May'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	4.2	1.05	1.05	98.95	
2.360	21.79	5.45	6.50	93.50	
1.180	72.45	18.11	24.61	75.39	
0.600	132.28	33.07	57.68	42.32	
0.300	129.84	32.46	90.14	10.00	FM = 2.78
0.150	32.56	8.14	98.28	1.00	
0.075	4.87	1.22	..	0.00	
#Pan	1.4	0.35	...	0.00	
Total	399.39	99.85	Σ= 278.26		



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