MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing
Laboratory

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

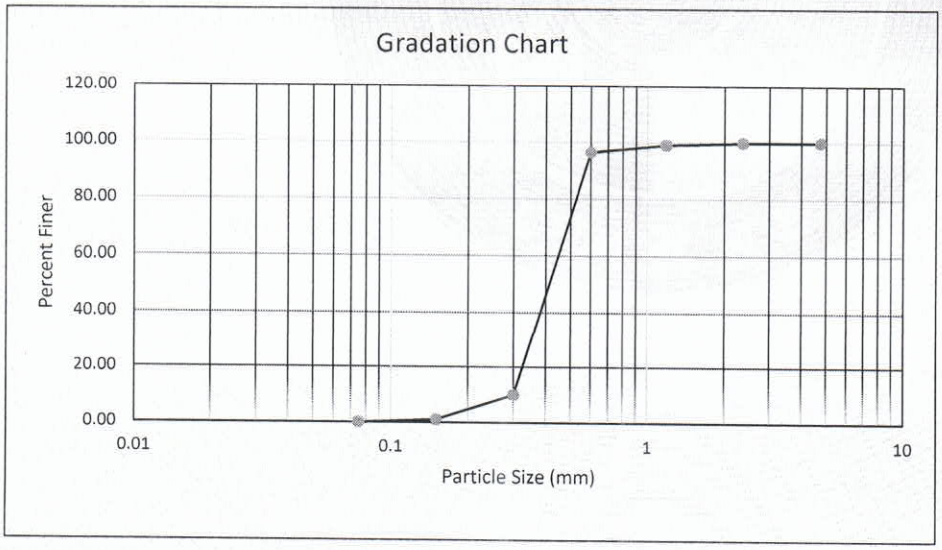
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 108/2025-2026 (Sand).
Reference: : EINC/78 of 2025-2026/27/E-6 Dt.23 Jun'2026.
Sample send by : GE (Army) Sylhet.
Project : Construction of 1 x 16 'D' Type Officer's Qtr.
Sample : Local Sand
Date of Sample collection : 24 Jun'2026
Date of Test : 24 Jun'2026

TEST RESULTS

Sieve Size	Material Retainned	Percentage of Matarial Retained	Cumulative % Retained	Percent Finer	Fineness Modulus
mm	gm	%	%	%	
4.750	0	0.00	0.00	100.00	
2.360	0.5	0.13	0.13	99.88	
1.180	3.08	0.77	0.90	99.11	
0.600	10.5	2.63	3.52	96.48	
0.300	204.82	51.21	54.73	10.00	FM = 1.51
0.150	149.27	37.32	92.04	1.00	
0.075	29.2	7.30	..	0.00	
#Pan	2.2	0.55	...	0.00	
Total	399.57	99.89	Σ= 151.31		



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Report Prepared 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