MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

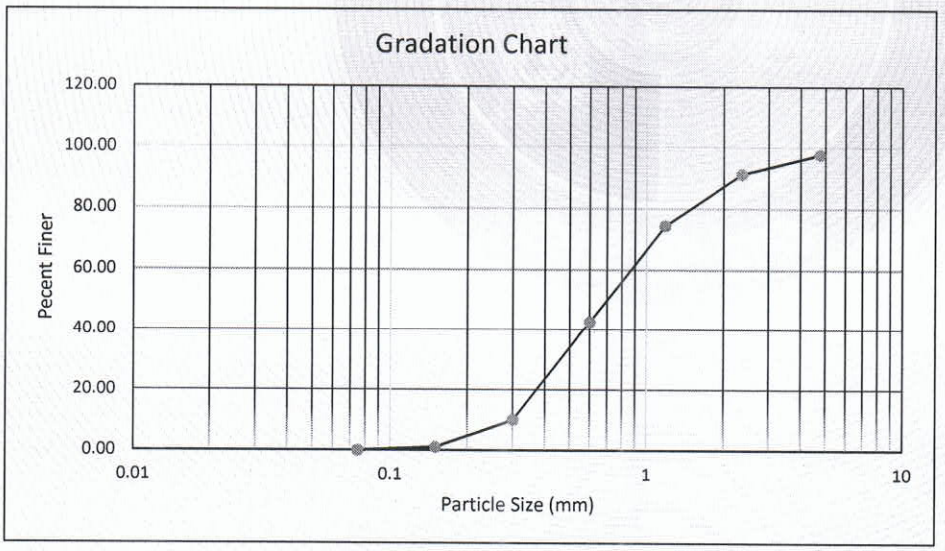
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 97/2025-2026 (Sand).
Reference: : CEN/233 of 2024-2025/14/E-6 Dt.28 Apr'2026.
Sample send by : GE (Navy) North Chattogram.
Project : Construction of boundary wall.
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	9.11	2.28	2.28	97.72	
2.360	25.46	6.37	8.64	91.36	
1.180	68.15	17.04	25.68	74.32	
0.600	126.64	31.66	57.34	42.66	
0.300	134.48	33.62	90.96	10.00	FM = 2.83
0.150	29.97	7.49	98.45	1.00	
0.075	4.67	1.17	..	0.00	
#Pan	0.9	0.23	...	0.00	
Total	399.38	99.85	Σ= 283.35		



Material Testing Laboratory
Military Engineer Services (MES)

Report Prepared by :

MD.IKBAL HOSSEN
SAE B/R
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Test Performed by :

AHASAN HABIB
AE B/R
Actg SO-III (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Countersigned by :

MD ATIKUR RAHMAN
MAJOR
OIC (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

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

MILITARY ENGINEER SERVICES (MES)

MATERIAL TESTING LABORATORY

M E S
Material Testing Laboratory

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

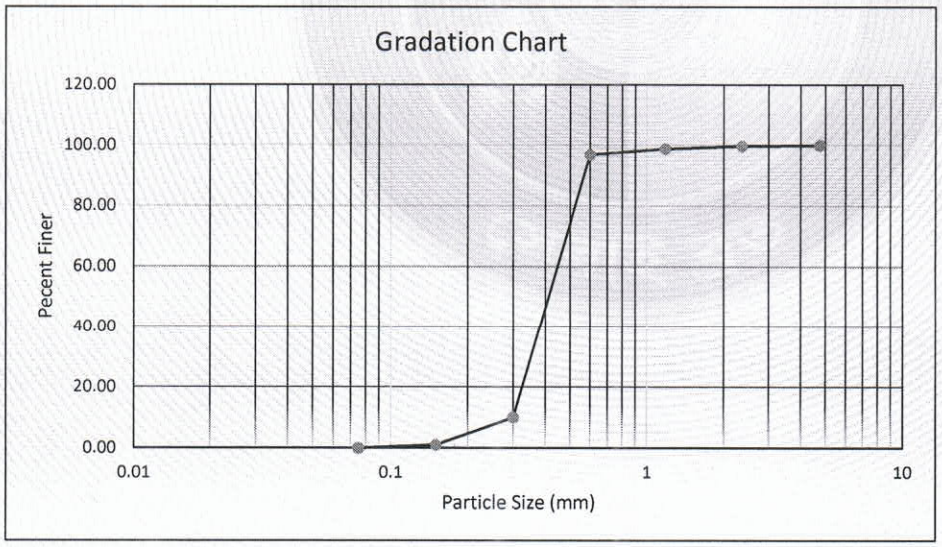
TEST RESULT FOR FINENESS MODULUS (F.M.) OF SAND

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

Job No : 97/2025-2026 (Sand).
Reference: : CEN/233 of 2024-2025/14/E-6 Dt.28 Apr'2026.
Sample send by : GE (Navy) North, Chattogram.
Project : Construction of boundary wall.
Sample : Local 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	0	0.00	0.00	100.00	
2.360	1.04	0.26	0.26	99.74	
1.180	3.85	0.96	1.22	98.78	
0.600	7.87	1.97	3.19	96.81	
0.300	185.23	46.31	49.50	10.00	FM = 1.50
0.150	184.72	46.18	95.68	1.00	
0.075	15.78	3.95	..	0.00	
#Pan	0.83	0.21	...	0.00	
Total	399.32	99.83	Σ= 149.85		



Material Testing Laboratory Military Engineer Services (MES)

Report Prepared by :

MD.IKBAL HOSSEN
SAE B/R
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Test Performed by :

AHASAN HABIB
AE B/R
Actg SO-III (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

Countersigned by :

MD ATIKUR RAHMAN
MAJOR
OIC (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

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