

B. ANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY (BUET)



DEPARTMENT OF CIVIL ENGINEERING

Mobile 01819557964; PABX: 55666000-2 Ext: 7226
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TRANSPORTATION ENGINEERING LABORATORY

BRTC No. : 1103-73046 /25-26/CE ; Dt: 2/2/2026
Sent by : Md. Ashikur Rahman, Managing Director, Tenvidh Contracting Company, 433, North Kazipara, Mirpur, Dhaka.
Ref. No. : Letter; Dt: 2/2/2026
Project : 3rd, 4th Dual Gauge Track Between Dhaka-Tongi Section and Doubling of Dual Gauge Track between Tongi-Joydebpur Section, East Archipur, Monnou Nagar, Tongi, Gazipur.
Sample : Crushed Stone Sample ID: MGMCL Ballast
Test : Los Angeles Abrasion Value [ASTM C-535-03]
Date of Test : 15/2/2026

TEST REPORT

Type of Aggregate	Grading Type	Total Weight of Aggregate	Aggregate Passing 1.70 mm Sieve	Los Angeles Abrasion Value
		gm	gm	%
Crushed Stone	2	10000	1517	15

Note: Samples were received in unsealed condition.

Countersigned by:

Prof. Dr. Bashir Ahmed
Test-In-Charge
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Test Performed by:

18 February 2026
Dr. Sk. Md. Mashrur
Assistant Professor
Department of Civil Engineering
BUET, Dhaka-1000, Bangladesh



Important Notes: Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secure and sealed cover/packet/container under signature of the competent authority. In order to avoid fraudulent fabrication of test results, it is recommended that all test reports are collected by duly authorized person, and not by the Contractor/Supplier.

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Sample : Crushed Stone Sample ID: MGMCL Ballast
Test : Aggregate Impact Value [BS 812 (part 3) 1975]
Date of Test : 15/2/2026

TEST REPORT

Type of Aggregate	Sample Size	Weight of sample (Surface Dry)	Weight of material passing 2.36 mm sieve	Aggregate Impact Value (AIV)
		(gm)	(gm)	%
Crushed Stone	14 mm to 10 mm	374	63	17

Note: Samples were received in unsealed condition.

Countersigned by:

Prof. Dr. Bashir Ahmed
Test-In-Charge
Department of Civil Engineering
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Sample : Crushed Stone Sample ID: MGMCL Ballat
Test : Specific Gravity and Water Absorption (ASTM C127)
Date of Test : 15/2/2026

TEST REPORT

Sample Designation	Weight of oven dry sample	Weight of SSD sample	Weight of saturated sample in water	Bulk Specific Gravity (OD)	Absorption Capacity
	(gm)	(gm)	(gm)	(Relative Density)	(%)
Crushed Stone	3150.5	3157.4	2044.0	2.83	0.20

Note: Samples were received in unsealed condition.

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