

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
নির্বাহী প্রকৌশলী (সওজ) এর কার্যালয়  
উপকরণ পরীক্ষা ও রক্ষণাবেক্ষণ বিভাগ  
বাংলাদেশ সড়ক গবেষণাগার, মিরপুর, ঢাকা  
[eemtm@rhd.gov.bd](mailto:eemtm@rhd.gov.bd)

স্মারক নং-৩৫.০১.০০০০.৩৭৮.২২০.২২- ৩৩৩

তারিখঃ ০৪/০৫/২০২৬

বিষয়ঃ Repair & Maintenance of Existing damaged road surface by Carpeting, Seal Coat and other ancillary works at Ch. 0+850.00m to 0+950.00m, 1+200.00m to 1+300.00m, 1+370.00m to 1+470.00m, 1+650.00m to 1+750.00m, 2+450.00m to 2+550.00m, 3+320.00m to 3+400.00m & 3+550.00m to 3+670.00m of Dhamrai-Kalampur Link Road (Z-5067) Under Manikganj Road Division during the year 2025-2026 ব্যবহৃত মালামাল পরীক্ষার ফলাফল প্রেরণ প্রসঙ্গে।

সূত্রঃ তার দপ্তরের স্মারক নং- ৩৫.০১.২৬১৪.৮১১.৪১.০০৮.২৬-১৭১; তারিখঃ ১৬.০৪.২০২৬ খ্রিস্টাব্দ।

উপর্যুক্ত বিষয় ও সূত্র স্মারকের প্রেক্ষিতে তার দপ্তর নমুনা পরীক্ষা করত: পরীক্ষালব্ধ ফলাফল পরবর্তী প্রয়োজনীয় ব্যবস্থা গ্রহণের জন্য প্রেরণ করা হলো।

সংযুক্তঃ পরীক্ষার ফলাফল ০৪ (চার) পাতা, ০১ (এক) প্রস্থ।

Fauha Azam  
08/05/2026

ফারিহা আজম

নির্বাহী প্রকৌশলী, সওজ (চঃদাঃ)

পরিচিতি নম্বর: ৬০২২৯৫

ফোন: ০২-৫৮০৫৪৬২৭

উপ বিভাগীয় প্রকৌশলী, সওজ  
নয়ারহাট সড়ক উপ-বিভাগ,  
মানিকগঞ্জ।

অনুলিপিঃ

১। পরিচালক (তঃপ্রঃ, সওজ) বাংলাদেশ সড়ক গবেষণাগার, মিরপুর, ঢাকা।


২। সিনিয়র সিস্টেম এনালিস্ট (সওজ), ম্যানেজমেন্ট ইনফরমেশন সেল, সড়ক ভবন, তেজগাঁও, ঢাকা) (টেস্ট রিপোর্টটি সওজ এর ওয়েবসাইটে প্রকাশের জন্য অনুরোধ করা হলো)।


**Government of the People's Republic of Bangladesh**  
**Bangladesh Road Research Laboratory, RHD**  
**Material Testing & Maintenance Division**  
**Paikpara, Mirpur, Dhaka, Bangladesh**


**WATER ABSORPTION TEST OF BRICKS**  
**DATA & REPORT SHEET**

Client		SDE, RHD, Nayarhat Road Sub-Division, Manikganj.			
Memo No		35.01.2614.811.41.008.26-171	Date	16/04/2026	
Project / Work		Repair & Maintenance of Existing damaged road surface by Carpeting, Seal Coat and other ancillary works at Ch. 0+850.00m to 0+950.00m, 1+200.00m to 1+300.00m, 1+370.00m to 1+470.00m, 1+650.00m to 1+750.00m, 2+450.00m to 2+550.00m, 3+320.00m to 3+400.00m & 3+550.00m to 3+670.00m of Dhamrai-Kalampur Link Road (Z-5067) Under Manikganj Road Division during the year 2025-2026.			
Date of receive at Lab		23/04/2026	Date of Test	28/04/2026	
Sample description		Auto Bricks			
Quantity supplied		5 Nos.	Lab No.	83	
Name of Agency		M/S Eyasha Enterprise			
<b>Data Analysis</b>					
Test No:	Oven-Dry Wt. W1 gm	S.S.D. Wt. W2 gm	Wt. of Water W3 = (W2- W1) gm	Water Absorption = (W3 \ W1) × 100 %	Specification Limit
1	3588	3942	354	9.87	Not exceed 16.67% (1/6 of its weight)
2	3460	3865	405	11.71	
3	3482	3784	302	8.67	
4	3502	3799	297	8.48	
5	3418	3549	131	3.83	
Average %				<b>8.51</b>	

Note:- Test was performed on the basis of supplied sample

  
30.04.26  
(Shamiha Nazmin)  
Assistant Research Officer  
(RHD)

  
30/04/26  
(Mohammad Monirul Alam)  
Sub-Divisional Engineer (A.C)  
(RHD)


  
Fariha Azam  
03/05/2026  
(Fariha Azam)  
Executive Engineer (C.C.)  
(RHD)

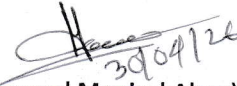
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**UNIT WEIGHT OF COARSE AGGREGATE (Oven-Dry Basis)  
DATA & REPORT SHEET**

Client	SDE, RHD, Nayarhat Road Sub-Division, Manikganj.				
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Date of receive at Lab	23/04/2026	Date of Test	28/04/2026		
Sample description	Auto Bricks				
Quantity supplied	5 Nos.	Lab No.	83		
Name of Agency	M/S Eyasha Enterprise				
<b>Mould Calibration</b>					
Weight of water to fill the mould: (W) kg	9.406				
Water Temp 0C	25 0C				
Density of water (D) Kg/m3	998.6				
<b>DATA ANALYSIS</b>					
Test No.	Wt. of Agg+Mould W1Kg	Wt. of Mould W2 kg	Wt. of Agg W3 (W1 - W2) kg	Unit Wt. of Agg = (W3×D)/W kg/m3	Specification Limit
1	14.124	2.844	11.28	<b>1197.56</b>	.....

Note:- Test was performed on the basis of supplied sample

  
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03/05/2026  
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(RHD)

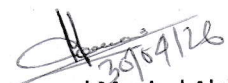
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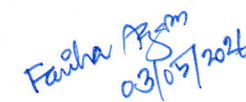
**COMPRESSIVE STRENGTH TEST OF BRICKS**  
**DATA & REPORT SHEET**

Client		SDE, RHD, Nayarhat Road Sub-Division, Manikganj.								
Memo No		35.01.2614.811.41.008.26-171					Date		16/04/2026	
Project / Work		Repair & Maintenance of Existing damaged road surface by Carpeting, Seal Coat and other ancillary works at Ch. 0+850.00m to 0+950.00m, 1+200.00m to 1+300.00m, 1+370.00m to 1+470.00m, 1+650.00m to 1+750.00m, 2+450.00m to 2+550.00m, 3+320.00m to 3+400.00m & 3+550.00m to 3+670.00m of Dhamrai-Kalampur Link Road (Z-5067) Under Manikganj Road Division during the year 2025-2026.								
Date of receive at lab		23/04/2026					Date of Test		28/04/2026	
Sample description		Auto Bricks								
Quantity supplied		5 Nos.				Lab No.		83		
Name of Agency		M/S Eyasha Enterprise								
Data Analysis										
							CF		(0.9725*X)+15.326	
Test No:	Frog Marks	Specimen Surface Area, mm <sup>2</sup>		Average Area, A= (A <sub>1</sub> +A <sub>2</sub> )/ 2 mm <sup>2</sup>	Load, P KN	Corrected Load, P KN	Strength			Remarks
		Top A1	Bottom A2				S1= (P/A)* 1000 N/mm <sup>2</sup>	S2= S1×10.2 Kg/cm <sup>2</sup>	S3= S1× 145 psi	
1	⋮	13888	14136	14012.00	350.00	355.701	25.39	258.93	3680.89	1st Class Bricks not less than 17/Nmm <sup>2</sup> & P J Bricks not less than 20/Nmm <sup>2</sup> .
2		13908	14268	14088.00	420.00	423.776	30.08	306.82	4361.69	
3		14384	14260	14322.00	325.00	331.3885	23.14	236.01	3355.07	
4		13552	13673	13612.50	310.00	316.801	23.27	237.38	3374.56	
5		13664	13786	13725.00	284.00	291.516	21.24	216.65	3079.77	
Average							24.62	251.16	3570.40	
Average Strength= 24.62 N/mm <sup>2</sup> = 251.16 Kg/cm <sup>2</sup> =3570.40 PSI										

Note:- Test was performed on the basis of supplied sample

  
 30.04.26  
 (Shamiha Nazmin)  
 Asst. Research Officer  
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 30/04/26  
 (Mohammad Monirul Alam)  
 Sub-Divisional Engineer (A.C)  
 (RHD)


  
 Fariha Azam  
 03/05/2026  
 (Fariha Azam)  
 Executive Engineer (C.C.)  
 (RHD)


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**DIMENSION OF BRICKS  
DATA & REPORT SHEET**

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Date of receive at lab	23/04/2026	Date of Test	28/04/2026	
Sample description	Auto Bricks			
Quantity supplied	5 Nos.	Lab No.	83	
Name of Agency	M/S Eyasha Enterprise			
Data Analysis				
Test No:	Length of Bricks ( mm )	Width of Bricks ( mm )	Height of Bricks ( mm )	Specification Limit. (After Burning)
1	239	115	70	240mm× 115m×70mm
2	240	116	70	
3	240	114	70	
4	239	115	69	
5	240	114	70	

Note:- Test was performed on the basis of supplied sample

  
30.04.26  
(Shamiha Nazmin)  
Asst. Research Officer  
(RHD)

  
30/04/26  
(Mohammad Monirul Alam)  
Sub-Divisional Engineer (A.C)  
(RHD)

  
Fariha Azam  
03/05/2026  
(Fariha Azam)  
Executive Engineer (C.C.)  
(RHD)