

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

স্মারক নং-৩৫.০১.০০০০.৩৭৮.২২০.২২- ৩৩২

তারিখঃ ০৪/০৫/২০২৬ খ্রিঃ

বিষয়ঃ Pavement Repair & Maintenance of Existing Damaged Pavement (Service Lane) by Carpeting, Seal coat and other ancillary work at 9th Km (p) (Ch. 8+700m to 9+000m) of Nabinagar -EPZ- Kaliakoir (Chandra) Road (N- 540) Road under Manikganj Road Division during the year 2025-2026 ব্যবহৃত মালামাল পরীক্ষার ফলাফল প্রেরণ প্রসঙ্গে।

সূত্রঃ তার দপ্তরের স্মারক নং- ৩৫.০১.৫৬০০.৪৪৪.০৭.০১১.২৬-৯৮০; তারিখঃ ১৬/০৪/২০২৫ 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 ০৬ (ছয়) পাতা, ০১ (এক) প্রস্থ।

Fauha Azam
০৪/০৫/২০২৬

(ফারিহা আজম)

নির্বাহী প্রকৌশলী, সওজ (চঃদাঃ)

পরিচিতি নম্বর: ৬০২২৯৫

ফোন: ০২-৫৮০৫৪৬২৭

নির্বাহী প্রকৌশলী, সওজ
সড়ক 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)।


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Material Testing & Maintenance Division
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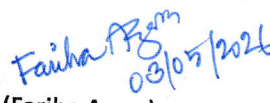
**SIEVE ANALYSIS OF AGGREGATES
DATA & REPORT SHEET**

Client		EE, RHD, Road Division, Manikganj.			
Memo No		35.01.5600.444.07.011.26-980	Date	16/04/2026	
Project / Work		Pavement Repair & Maintenance of Existing Damaged Pavement (Service Lane) by Carpeting, Seal coat and other ancillary work at 9th Km (p) (Ch. 8+700m to 9+000m) of Nabinagar -EPZ- Kaliakoir (Chandra) Road (N- 540) Road under Manikganj Road Division during the year 2025-2026.			
Date of receive at Lab		26/04/2026	Date of Test	29/04/2026	
Sample description		Agg. Base Type- 1 Materials			
Quantity supplied		One Bag. (30 kg)	Lab No.	84	
Name of Agency		M/S Sakib Enterprise			
SIEVE ANALYSIS DATA					
Weight of Dry Sample = 10000gm					
STANDARD OPENING, (mm)	WEIGHT RETAINED, (gm)	% RETAINED	CUMULATIV E % RETAINED	%PASSING	Specification Limit RHD Technical Spe. Table 3.3-1(A)
50	0	0	0	100	100
38	519	5.19	5.19	94.81	90-100
20	3142	31.42	36.61	63.39	50-85
10	1140	11.4	48.01	51.99	30-65
5	1648	16.48	64.49	35.51	25-50
2.4	1102	11.02	75.51	24.49	15-38
0.6	1012	10.12	85.63	14.37	8-22
0.3	685	6.85	92.48	7.52	6-16
0.075	431	4.31	96.79	3.21	2-8
Pan weight	241
Loss	80

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


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SIEVE ANALYSIS OF AGGREGATES
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Date of receive at Lab	26/04/2026	Date of Test	29/04/2026		
Sample description	Stone Chips-Seal Coat Materials				
Quantity supplied	One Bag. (30 kg)	Lab No.	84		
Name of Agency	M/S Sakib Enterprise				
SIEVE ANALYSIS DATA					
Weight of Dry Sample = 5000 gm					
STANDARD OPENING, (mm)	WEIGHT RETAINED, (gm)	% RETAINED	CUMULITIVE % RETAINED	%PASSING	Specification Limit RHD Tec. Spe. Table 3.12-1
10	0	0	0	100
6.3	59	1.18	1.18	98.82	100
5	294	5.88	7.06	92.94	90-100
2.4	791	15.82	22.88	77.12	70-95
0.6	2554	51.08	73.96	26.04	20-50
0.075	959	19.18	93.14	6.86	5-15
Pan weight	238
Loss	105

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


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AGGREGATE CRUSHING VALUE
DATA & REPORT SHEET

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Date of receive at Lab	26/04/2026	Date of Test	29/04/2026
Sample description	Stone Chips (Base Type- 1)		
Quantity supplied	One Bag. (30 kg)	Lab No.	84
Name of Agency	M/S Sakib Enterprise		
AGGREGATE CRUSHING VALUE			
Test No.	1	2	Specification Limit
Wt. of Sample (Surface Dry) A gm	2495	2481	Not greater than 30%
Wt. of Passing (through #8 Sieve) B gm	436	424	
Aggregate Crushing Value = (B/A) X100%	17.47	17.09	
Mean Value (ACV) %	17.28		

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


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ABRASION TEST OF COARSE AGGREGATE BY LOS ANGELES METHOD

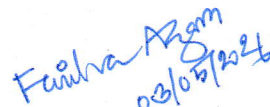
DATA & REPORT SHEET

Client		EE, RHD, Road Division, Manikganj.					
Memo No		35.01.5600.444.07.011.26-980			Date	16/04/2026	
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Date of receive at Lab		26/04/2026			Date of Test	29/04/2026	
Sample description		Stone Chips (Base Type- 1)					
Quantity supplied		One Bag. (30 kg)			Lab No.	84	
Name of Agency		M/S Sakib Enterprise					
Data Analysis							
Test No:	Sieve Sive		Weight of Material Taken	Weight Retained on # 12 (1.70 mm) sieve W2 gm	Other Information	Abrasion value (w1-w2)/w1 × 100 %	Specification Limit
	Sieve Sive	Retained mm					
1	20	12.5	2500	3634	Garding : B No. of charge :11 Wt. of Charges, gm :4586	27.32%	Not greater than 30%
	12.5	10	2500				
Total, W1 gm			5000				

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


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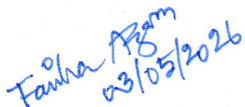
AGGREGATE CRUSHING VALUE
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Date of receive at Lab	26/04/2026	Date of Test	29/04/2026
Sample description	Carpeting		
Quantity supplied	One Bag. (30 kg)	Lab No.	84
Name of Agency	M/S Sakib Enterprise		
AGGREGATE CRUSHING VALUE			
Test No.	1	2	Specification Limit
Wt. of Sample (Surface Dry) A gm	2541	2524	Not greater than 30%
Wt. of Passing (through #8 Sieve) B gm	422	406	
Aggregate Crushing Value = (B/A) X100%	16.61	16.09	
Mean Value (ACV) %	16.35		

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


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Client		EE, RHD, Road Division, Manikganj.					
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Date of receive at Lab		26/04/2026			Date of Test	29/04/2026	
Sample description		Carpeting					
Quantity supplied		One Bag. (30 kg)			Lab No.	84	
Name of Agency		M/S Sakib Enterprise					
Data Analysis							
Test No:	Sieve Sive		Weight of Material Taken	Weight Retained on # 12 (1.70 mm) sieve W2 gm	Other Information	Abrasion value (w1-w2)/w1 × 100 %	Specification Limit
	Sieve Sive	Retained mm					
1	20	12.5	2500	3954	Garding : B No. of charge :11 Wt. of Charges, gm :4586	20.92%	Not greater than 30%
	12.5	10	2500				
Total, W1 gm			5000				

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


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