



INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



EMAIL : indicativeconsultantindia@gmail.com / indicativeconsultantindia.kol@gmail.com

TEST REPORT

ULR No.-TC1601425010000165F		Format No.: ICI/FM/K/87	
Date: 02.08.2025	Report No.: ICI/KL/RN/456/2025	Sample ID No.:	2025/SC-1227
Customer Name	OFFICE OF THE ASSISTANT ENGINEER: RAMPURHAT NATIONAL HIGHWAY SUB-DIVISION P.W. (ROADS) DIRECTORATE GOVERNMENT OF WEST BENGAL	Sample Received on:	23.07.2025
		Test started on:	24.07.2025
		Test Completed on:	01.08.2025
		Address	
#Customer Representative Name & Contact Number	Assistant Engineer (Rampurhat NH Sub-Division) P.W. (Roads) Directorate		
# Name of Agency	M/s. SANRACHANA STRUCTURAL STRENGTHENING PRIVATE LIMITED		
#Name of Material Supplier	M/s. AGARWALA CONSTRUCTION		
#Name of Work	i) "Repair and rehabilitation of existing distressed Bridges of NH 60 (New NH 14) under Package-3: (Bakreswar Bridge at km 322.550, Bramhoni Bridge at km 398.450, Khairakuri Bridge at km 344.880 and Gambhira Bridge at km 418.918) in the district of Birbhum, West Bengal in the year 2024-2025 in EPC Mode. [Job No 14 (PKG-IV)/WB/2024-25/555]" & ii) "Repair and rehabilitation of existing distressed Bridges of NH 60 (New NH 14) under Package-4: (Tilpara Right Canal Bridge at km 342.660, Tilpara Bridge at km 343.950, Khairakuri Bridge at km 344.880, Dwarka Canal Bridge at km 358.740, Deucha Barrage Bridge at km 359.050) in the district of Birbhum, West Bengal in the year 2024-2025 in EPC Mode. [Job No 14 (PKG-IV)/WB/2024-25/556]" (Ref: Letter of SSSPL vide memo no SSSPL/PKG/09, dated 22.07.2025)		
#Letter Ref. No. & Date.	Memo No: 43/W-12, Date: 22.07.2025		
Subject	TESTING OF PAVER BLOCKS (MECHANICAL PROPERTIES)		
#Sample Description	12 Nos. Zig-Zag Paver Block. (225mm×110mm×120mm)		
#Sample Identification	Grade: M-55		
Test Method	IS 15658:2021		
Test Specification	IS 15658:2021		

DISCIPLINE: MECHANICAL

PRODUCT GROUP: BUILDING MATERIALS

DIMENSIONAL CHECK, COMPRESSIVE STRENGTH & WATER ABSORPTION TEST:

Sample Serial No.	#Dimensions	Surface Area (mm ²)	Compressive Load in N	Compressive Strength(N/mm ²)	#Corrected Compressive Strength (N/mm ²)	#Water Absorption (%)
1.	226×111×120	25086	1296100	51.67	69.24	2.64
2.	225×111×121	24975	1267300	50.74	67.99	2.41
3.	225×110×120	24750	1316800	53.20	71.29	2.55
4.	224×110×120	24640	1302500	52.86	70.83	-
5.	225×110×120	24750	1274200	51.48	68.98	-
6.	225×111×121	24975	1308500	52.39	70.20	-
7.	224×110×120	24640	1290400	52.37	70.18	-
8.	225×111×120	24975	1283600	51.40	68.88	-
				Average =	69.70	2.53
				#Requirement as per IS 15658 :2021	fck+4 = 59 (min) in Average	6% (Max.) in average

Correction Factor for arris/chamfer: 1.34 for 120 mm thickness

Remarks: Mechanical Test Parameter: Dimensional Check, Compressive Strength & Water Absorption Test: COMPLIANCE- The above-mentioned test parameter of the received Concrete Paver Blocks samples is satisfying the acceptable limit as per IS 15658:2021 for Grade M-55.

Prepared By: D. Baidya

Checked By: S. Das

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Authorized Signatory

Parbati Golui
Quality Manager

INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil
Estimated Uncertainty: Not Required.

- Note:
- # Information provided by the customer.
 - Sample is not drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: Paver Block.
 - Test results shown in this test report relate to the sample (s) only.
 - The test results referred in test report are based on observations & measurements under the stated environmental conditions.
 - The reproduction of the report except in full is invalid without written approval of the laboratory.
 - Once issued the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
 - Retention period of tested samples from the date of issue: 90 Days (Water Absorption Only).
 - Location of testing - Kolkata Laboratory.

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End of Report

Reviewed By: QM I T

CENTRAL LABORATORY : HPL Link Road, Basudevpur, Khanjanchak, Haldia, Purba Medinipur, Pin- 721602, Phone No. : 03224-275765, 9434017584, 9232395890, 7797506973

KOLKATA LABORATORY : B1-1/22/1-2, Santoshpur(M), Block-B, Maheshtala, Kolkata-700142, Mob. : 7797245819, 7797506970

WEBSITE : www.indicativeconsultantindia.com



Towards Sustainable Growth



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TEST REPORT

Date: 02.08.2025	Report No.: ICI/KL/RN/456/2025	Format No.: ICI/FM/K/87
Customer Name	OFFICE OF THE ASSISTANT ENGINEER: RAMPURHAT NATIONAL HIGHWAY SUB-DIVISION P.W. (ROADS) DIRECTORATE GOVERNMENT OF WEST BENGAL	Sample ID No. : 2025/SC-1227
Address	P.W. (ROADS) CAMPUS, RAMPURHAT, DIST.-BIRBHUM, PIN No.-731224.	
#Customer Representative Name & Contact Number	Assistant Engineer (Rampurhat NH Sub-Division) P.W. (Roads) Directorate	
# Name of Agency	M/s. SANRACHANA STRUCTURAL STRENGTHENING PRIVATE LIMITED	
#Name of Material Supplier	M/s. AGARWALA CONSTRUCTION	
#Name of Work	<p>“Repair and rehabilitation of existing distressed Bridges of NH 60 (New NH 14) under Package-3: (Bakreswar Bridge at km 322.550, Bramhoni Bridge at km 398.450, Khairakuri Bridge at km 344.880 and Gambhira Bridge at km 418.918) in the district of Birbhumi, West Bengal in the year 2024-2025 in EPC Mode. [Job No 14 (PKG-IV)/WB/2024-25/555]” &</p> <p>ii) “Repair and rehabilitation of existing distressed Bridges of NH 60 (New NH 14) under Package-4: (Tilpara Right Canal Bridge at km 342.660, Tilpara Bridge at km 343.950, Khairakuri Bridge at km 344.880, Dwarka Canal Bridge at km 358.740, Deucha Barrage Bridge at km 359.050) in the district of Birbhumi, West Bengal in the year 2024-2025 in EPC Mode. [Job No 14 (PKG-IV)/WB/2024-25/556]”</p> <p>(Ref: Letter of SSSPL vide memo no SSSPL/PKG/09, dated 22.07.2025)</p>	
#Letter Ref. No. & Date.	Memo No: 43/W-12, Date: 22.07.2025	
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#Sample Description	12 Nos. Zig-Zag Paver Block. (225mm×110mm×120mm)	
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DISCIPLINE: MECHANICAL		PRODUCT GROUP: BUILDING MATERIALS

TENSILE SPLITTING STRENGTH, FLEXURAL STRENGTH & ABRASION RESISTANCE TEST:

Sample Serial No.	#Tensile Splitting Strength (N/mm ²)	#Flexural Strength (N/mm ²)	#Abrasion Resistance (mm ³ per 5000mm ²) (Dry)
9.	-	10.05	-
10.	-	-	11000
11.	-	-	9000
12.	6.32	-	-
Average =	-	-	10000
#Requirement as per IS 15658 :2021	3.6 (Min)	6.05 (Min), 0.11 f _{ck} (average)	Individual (20000 Max) In Average (18000 Max)

Remarks: Mechanical Test Parameter: Tensile Splitting Strength, Flexural Strength & Abrasion Resistance Test: COMPLIANCE- The above-mentioned test parameter of the received Concrete Paver Blocks samples is satisfying the acceptable limit as per IS 15658:2021 for Grade M-55.

Prepared By: D. Baidya

Checked By: S. Das

For, INDICATIVE CONSULTANT INDIA

Parbati Golui
(Quality Manager)
Authorized Signatory

Test Witnessed By: Nil.
Estimated Uncertainty: Not Required

Parbati Golui
Quality Manager
INDICATIVE CONSULTANT INDIA

- Note:
- Information provided by the customer.
 - Sample is not drawn by M/s. Indicative Consultant India.
 - Sample submitted and identified by customer as: Paver Block.
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 - Retention period of tested samples from the date of issue: Zero Day.
 - Location of testing - Kolkata Laboratory.

End of Report

Reviewed By: QMITM



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