



# INDICATIVE CONSULTANT INDIA



(GOVT. REGISTERED TEST HOUSE)



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

TC-16014

## TEST REPORT

ULR No.-TC1601425010000165F	
Date: 02.08.2025	Report No.: ICI/KL/RN/456/2025
Customer Name	OFFICE OF THE ASSISTANT ENGINEER: RAMPURHAT NATIONAL HIGHWAY SUB-DIVISION P.W. (ROADS) DIRECTORATE GOVERNMENT OF WEST BENGAL
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	1. "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]" & 2. "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×100mm)
#Sample Identification	Grade: M-50
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 <sup>2</sup> )	Compressive Load in N	Compressive Strength(N/mm <sup>2</sup> )	#Corrected Compressive Strength (N/mm <sup>2</sup> )	#Water Absorption (%)
1.	225×111×100	24975	1258600	50.39	62.48	2.48
2.	224×110×100	24640	1190200	48.31	59.90	2.26
3.	225×110×100	24750	1284500	51.90	64.36	2.53
4.	225×111×101	24975	1203700	48.20	59.77	-
5.	224×111×100	24864	1240300	49.88	61.85	-
6.	225×110×100	24750	1201000	48.53	60.18	-
7.	224×110×101	24640	1234900	50.12	62.15	-
8.	225×110×100	24750	1210400	48.91	60.65	-
Average =					61.42	2.42
		#Requirement as per IS 15658 :2021		$f_{c+4} = 54$ (min) in Average	6% (Max.) in average	
Correction Factor for arris/chamfer: 1.24 for 100 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-50.

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.

End of Report

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Reviewed By: QM/ITM



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-1226
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	
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Subject	TESTING OF PAVER BLOCKS (MECHANICAL PROPERTIES)	
#Sample Description	12 Nos. Zig-Zag Paver Block. (225mm×110mm×100mm)	
#Sample Identification	Grade: M-50	
DISCIPLINE: MECHANICAL PRODUCT GROUP: BUILDING MATERIALS		

**• TENSILE SPLITTING STRENGTH, FLEXURAL STRENGTH & ABRASION RESISTANCE TEST:**

Sample Serial No.	#Tensile Splitting Strength (N/mm <sup>2</sup> )	#Flexural Strength (N/mm <sup>2</sup> )	#Abrasion Resistance (mm <sup>3</sup> per 5000mm <sup>2</sup> ) (Dry)
9.	-	8.20	-
10.	-	-	8000
11.	-	-	10000
12.	4.95	-	-
<b>Average =</b>	-	-	<b>9000</b>
#Requirement as per IS 15658 :2021	3.6 (Min)	5.5 (Min), 0.11 f <sub>cd</sub> (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-50.

Prepared By: D. Baidya

Checked By: S. Das

For, INDICATIVE CONSULTANT INDIA

Parbati Golui  
(Quality Manager)  
Authorized Signatory

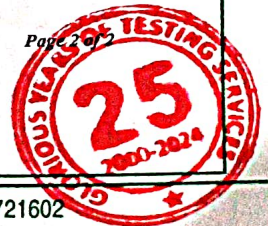
Parbati Golui  
Quality Manager  
INDICATIVE CONSULTANT INDIA

Test Witnessed By: Nil.  
Estimated Uncertainty: Not Required

- Note:
1. # Information provided by the customer.
  2. Sample is not drawn by M/s. Indicative Consultant India.
  3. Sample submitted and identified by customer as: Paver Block.
  4. Test results shown in this test report relate to the sample (s) only.
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  7. Once issued the test report/certificate is in public domain and laboratory is not responsible for the authenticity of photocopied test report.
  8. Retention period of tested samples from the date of issue: Zero Day.
  9. Location of testing - Kolkata Laboratory.

End of Report

Reviewed By: QM/IT



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