

PRE-ENGINEERED STEEL BUILDING MANUFACTURER

A complete solution for Steel & RCC construction



PAN

PROFILE

MARN STEEL STRUCTURE LIMITED







PRE-ENGINEERED STEEL BUILDING MANUFACTURER

A complete solution for Steel & RCC construction





MARN STEEL STRUCTURE LIMITED

[PRE-ENGINEERED STEEL BUILDING MANUFACTURER]

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Factory Address :

Puran Kalia, Turag, Dhaka. Cell: 01914 24 24 02, 04, 16, 19 Email : factory@marnsteel.com

in https://www.linkedin.com/company/marn-steel-structure-ltd/ 🚹 https://www.facebook.com/marnsteel/



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About Us



Different Units



Our Projects



Board of Directors



Milestones



Our Clients



Vision & Mission



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Why MARN



License & Certifications





MARN STEEL STRUCTURE LIMITED (MSSL) stands as a pioneering force in Bangladesh's pre-engineered steel building manufacturing. Founded in 2013, the past decade has borne witness to its resounding success in the creation of a multitude of steel structures.

MSSL boasts its in-house dedicated teams for design, detailing, and erection, fostering a relentless pursuit of continuous improvement and innovation in design while upholding unwavering precision to ensure exceptional quality. The company diligently sources top-tier raw materials and components from internationally renowned companies. Armed with state-of-the-art machinery and equipment, MSSL unwaveringly adheres to the latest design and building codes, prioritizing the safety and compliance of its structures.

A remarkable hallmark of MSSL is its staggering fabrication capacity, exceeding 24,000 metric tons annually, enabling punctual fulfillment of client requirements. MSSL's expertise extends across diverse industrial, commercial, residential, and other sectors.

MSSL has a clientele base that includes nearly all large corporate in Bangladesh- ACI, Square, SMC, Transcom, Bashundhara, Dekko, Epyllion, MAX, Ha-Meem Group, DBL, RAK, KDS Group, BSRM, Sun Pharma, BATA, Palmal Group, MES, LGED, Education Engineering Department, Khulna City Corporation, Gazipur City Corporation etc.

It's noteworthy that MSSL holds ISO certification, affirming its commitment to excellence in all facets of its operations.

MARN - Company Profile



Board of **Directors**

Md Monoar Hossain Pathan

Chairman Thirty eight years of business experience as an entrepreneur in the field of the construction industry

Mst Najmun Naher

Chairman (EC)

Twenty years of experience in the field of both pre-engineered steel building manufacturing and civil construction

Engr. Md. Abdur Rahim

Managing Director

Civil Engineer by profession Twenty nine years of business experience as an entrepreneur and professional in the field of Engineering

Engr. Md. Washim Akram

Director

Civil Engineer by profession Fourteen years of experience in pre- engineered steel building manufacturing and civil construction



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MARN - Company Profile





Vision

MARN STEEL STRUCTURE LIMITED wants to have global reach as a leading Steel Building Fabrication company in the country.

Our vision is to build business in the industry as one of the preferred steel building fabrication companies.

In brief, we want to

• Achieve customer satisfaction by providing the best quality products and services.

· We want to be an environmentally friendly organization

Mission

MARN would like to perform on an international platform, in the context of growth and strength of our national economy. To serve the growing market of steel construction engineering.



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Some of Our Valuable Clients



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FACTORY

MARN - Corporate Profile



FACTORY SHED



STEFL STRUCTURE	actory At a Glance		
	Production Capacity 24000.00 MT/Year		1
·	Buildup Section Capacity 1500.00 MT/Month	D ROX	-
₩ ₩ ₩ ₩	Cold Form Section Capacity 500.00 MT/Month		
	Human Resource 300 Employees	目	
	Working Shift 2 Shifts		
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Factory Sections







MARN STEEL STRUCTURE LTD. having been well equipped with modern machineries along with expert engineers and workers actualizes the detailing the fabrication drawing for each member. It has a number of section, like: Cutting, Fitting, Fabrication, Welding, Grinding and Painting.

Shear Cutting Section





Assembly / Fitting Section





Auto Cutting & Fabrication Section



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Submerge ARC Auto Welding Section



Hydrolic Power Press, MIG Welding Section





Sand Blasting Section







Drilling Machineries



Iron Worker Machine



Punch Machine



Washer Making Machine



Radial Drill Machine



Magnetic Drill Machine



Anchor Bolt Making Machine



Forming Machineries



Profile Sheet (Roof & Wall) Forming Machine



Decking Panel Forming Machine



C&Z Pureline Forming Machine



Plate Rolling Machine



Bending Machine



Roof Panel Curving Machine



Surface Preperation Section





Painting Section





Delivery Section



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Factory Staff & Workers





Security Section







Corporate Profile

PROJECTS

MULTI NATIONAL

PHARMACEUTICALS

CERAMICS

GOVERNMENT & TEXTILE

GARMENTS

GROUP OF COMPANIES

POWER SECTOR

COMMERCIAL

WARE HOUSE

OTHERS



Ha-Meem Denim Ltd.



HA-MEEM G R O U P

Project Particulars

Location: Shreepur, Mawna, Gazipur Name & Type: Robotic Fabric Store1 Factory Shed Building Area: 42,000 sft.

Rifat Pckaging and Printing Industries Ltd.





Project Particulars

Location: Kaliganj, Gazipur Name & Type: Factory Shed Building Area: 32,000 sft.

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Square Pharmaceuticals Ltd.



Project Particulars

Location: Pabna Name & Type: Factory Shed Building Area: 22,000 sft.



ACI Motors Ltd.

Project Particulars

Location: Shreepur, Gazipur Name & Type: Factory Shed Building Area: 86,500 sft.





ACI Pure Flour Limited



Project Particulars

Location: Naraynganj Name & Type: Factory Shed Building Area: 60,000 sft.

ACI Salt Limited



ACI

Project Particulars

Location: Rupshi, Murapara, Narayanganj Name & Type: Factory Shed Building Area: 1,20,000 sft.





Bashundhara Chemical Industries Ltd.



Project Particulars

Location: Mirsarai EPZ, Chattogram Name & Type: Factory Shed Building



Popular Diagnostic Ltd.

Project Particulars

Location: Narayanganj Name & Type: Multi Storied Building





Charuta Private Ltd., DHL



Project Particulars

Location: Kuril Bishwa Road Circle Name & Type: Multi Storied Store and Office Building Area: 1,25,000 sft.

The ACME Laboratories Ltd.





Project Particulars

Location: Dinajpur Name & Type: Multi Storied Building Area: 35,500 sft.



Transcom Electronics Ltd.



Project Particulars

Location: Transcom Electronics Park Narsingdi Name & Type: Factory Shed Building Area: 80,000 sft.



Epyllion Group



Project Particulars

Location: Narayanganj Name & Type: Factory Shed Building Area: 25,000 sft.



MAXCRETE LIMITED





Project Particulars

Location: Manikganj Name & Type: Factory Shed Building Area: 1,50,000 sft.

MAX - HCC Join Venture (HCC)





Project Particulars

Location: Pabna Name & Type: Rooppur Neuclear Power Plant Rooppur, Pabna

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Lantabur Apparels Ltd.



Project Particulars

Location: Shreepur, Gazipur Name & Type: Multi Storied Building Area: 70,000 sft.



Bata Shoe Company (BD) Ltd.



Location: Tongi, Gazipur Name & Type: Factory Shed Building Area: 27,915 sft.





DBL Ceramics Ltd.





Project Particulars

Location: Maona, Gazipur Name & Type: Factory Shed Building Area: 15,000 sft.

Zenith Pharmaceuticals Ltd.



Zenith

SINCE 1952

Project Particulars

Location: BSCIC, Feni Name & Type: Multi Storied Building Area: 30,800 sft.

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Sun Pharmaceuticals Ltd.



Project Particulars

Location: Gazipur Name & Type: Multi Storied Building Area: 20,000 sft.



Debonair Padding & Quilting Solution Ltd.



Project Particulars

Location: Valuka, Mymensingh Name & Type: Mezzanine Building Area: 95,000 sft.



Maheen Label Accesories Ltd.





Project Particulars

Location: Narayanganj Name & Type: Multi Storied Building Area: 26,000 sft.

Dresden Textiles Ltd.



Project Particulars

Dresden Textiles Ltd.

Location: Mymensingh Name & Type: Shed Building Area: 77,000 sft.

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Abdul Monem Ltd. (Coca-Cola)



ABDUL MONEM LTD.



Project Particulars

Location: Cumilla Name & Type: Two Storied Building Area: 40,000 sft.

Nourish Poultry & Hatchery Ltd.



Project Particulars

Location: Valuka, Mymensingh Name & Type: Shed Building Area: 14,800 sft.

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Toma Construction & Company Ltd.



Tangail, Ashuganj Name & Type: Shed building Area/ Quantity: 900 MT.

National Electric BD Ltd.



Project Particulars

Location: Ruppur, Pabna Name & Type: Shed Building Area: 50,000 sft.





National Polymer Industries Ltd.



Project Particulars

Location: Bhaluka, Mymensingh Name & Type: Shed Building Area: 35,000 sft.



Anfords Bangladesh Ltd.



Project Particulars

Anfords Values Life

Location: Sonargaon, Narayanganj Name & Type: Shed Building with Mezzanine Floor Area: 25,000 sft.

China Railway Construction Company (CRCC)



Project Particulars

Location: Khulna Name & Type: Shed Buiding Area: 15,000 sft.

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Ha-Meem Spinning Mills Ltd.



Project Particulars

Location: Kaliganj, Gazipur Name & Type: Factory Shed Building Area: 40,000 sft.



Fakir Knitwears Ltd.

Project Particulars

Location: Narayanganj Name & Type: Rooftop Shed Building Area: 27,000 sft.




Fair Electronics Ltd. (Samsung)





Project Particulars

Location: Narsingdi Name & Type: Shed Building Area: 10,000 sft.

SMC Enterprise Ltd.





Project Particulars

Location: Valuka, Mymensingh Name & Type: Roof Top Shade Area: 10,000 sft.





Ibn Sina Hospital



Project Particulars

Location: Kalyanpur, Dhaka Name & Type: Connecting Bridge



Italian-Thai Development Public Company Ltd.



Project Particulars

Location: Dhaka Name & Type: Scaffolding works



X-Ceramics





Project Particulars

Location: Maona, Gazipur Name & Type: Shed Building Area: 10,2000 sft.

Akif-Ajwad Plaza



Project Particulars

Location: Kurigram Name & Type: Multi Storied RCC Building Area: 10,000 sft.





Project Particulars

Location: Military Farm Modernization Cumilla Name & Type: Shed Bulding Area: 80,000 sft.







Project Particulars

Location: Narsingdi Name & Type: Multi Storied RCC Building Area: 15,500 sft.





Khulna City Corporation (KCC)





Local Government Engineering Department





Project Particulars

Location: Uttarkhan, Dhaka Name & Type: Multi Storied RCC Building Area: 15,000 sft.





Gazipur City Corporation (GCC)



Project Particulars

Location: Gazipur Name & Type: Road & Drain Works

Gazipur City Corporation (GCC)





Project Particulars

Location: Gazipur Name & Type: Road & Drain Works



Farming Systems



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Crane Systems



Connection Details









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Structural Sub-System





Structural Sub-System



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Structural Sub-System



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Mezzanine Systems





Stair System





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Ventilation Accessories





Roof Monitor





Gravity Ridge Ventilator



Louver

Rotary Ventilator

Exhaust Fan



Building Accessories



Sliding Door



Roll-up Door



Personnel Door



Window



Sky Light



Insulation



Trims & Gutter Systems

Trims, Flashings, Gutter & Downpipe









Material Specifications

Material Specifications				
No.	Components		Specification	Strength (KN/Cm ²)
1	Built-up Members		ASTM A572M/ ASTM A570M Grade 50 Type 1 or eqv.	$F_y = 34.5$
2	Hot Rolled Members	Tubes	JIS- G 3466 - STKR 490/ ASTM A500 Grade 50 & 40	$F_y = 34.5$ $F_y = 27.5$
		Channels	EN - 10025 S355JR	$F_y = 35.5$
3	Cold Formed Members		ASTM A607 Grade 50/ ASTM A653M, Z200/ SS Grade 340 Class 1	$F_{y} = 34.5$
4	Roof & Wall panel-		ASTM A792M Grade 50 Class 1 Coating AZ150	$F_{\nu} = 34.5$
5	Mezzanine Deck Panel		ASTM A653M SS Grade 345 Class 1: Coating Z275	$F_{y} = 34.5$
6	X-Bracing	Cable	ASTM- A475- Extra High Strength Class A	$F_y = 119.7$
		Angles	JIS- G 3101- SS 400	$F_u = 40.0$
7	Anchor Bolts		JIS G3101- SS 400	$F_y = 23.5$
8	High Strength Bolts		A325 M Type 1 Hot Dip Galvanized/ Din 933 HEX Head Bolt Grade 10.9/ 8.8/ 4.6	$F_u = 100$ $F_u = 80.3$ $F_u = 46$

Primary Structural Materials





Material Specifications

SECONDARY STRUCTURAL MATERIALS



PROFILE SHEET



DECKING SHEET





Our Supply Items



Color Profile sheet



Curve sheet



Sheet Coil



C & Z Purlin



Decking Sheet

Our Available Sheet Color Chart





Our Supply Items (Accessories)



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Equipments



TLB



Scooptram



Bulldozer



Roller



Reach Truck



Concrete-Mixer



Front END Loader



Forklift



Tower Crane



Dumping Truck

Truck

Vibrator



Excavator



Bobcat



Grader



Mobile Crane



Front and Backhoe Loader



Power Trowel



Hydra Crane



Fork Lift



Scissor Lift



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Design Team

We have a remarkable Structural Design Team having been skilled, experienced and competently qualified professionals with excellent track record of handling monotonous situations of difficult buildings system to accommodate architectural features. We have strong experienced judgment & good spontaneous feeling to designs structures that are capable of withstand to incremental weather conditions and seismic situations as per latest code of practices. We work closely with each client from concept of reality; design to construction and to owner.





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Design Code

Metal Guilding

STEEL MANUAL

design guide

D.

IBC

BANGLADESH NATIONAL BUILDING CODE

2006

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am Design Loads atod Criteria for

The buildings are designed in accordance with the following codes:

A. Loads are Applied in accordance with:

- BNBC-2006, 2020 (Bangladesh National Building Codes)
- MBMA-2005 (Metal Building Manufacturers Association)
- IBC-2006 (International Building Code)
- ASCE-7-05 (American society of Civil Engineers)

B. Hot rolled and built-up Sections are designed in accordance with:

- American Institute of Steel Construction (AISC)
 - * Steel Construction Manual
 - * Design Guide
 - * ASD and LRFD Method

C. Cold-formed members are designed in accordance with:

• AISI - (American Iron and Steel Institute)

D. Welding is applied in accordance with:

AWS - 2010 (American welding society.)

E. Structural Analysis, design and detailing is done by the aid of following softwares :

• STAAD Pro. • ETABS • SAP • 3D Studio Max • Autodex Revit • SketchUp • CorelDraw

• TEKLA Structures • Auto Cad • Micro Station

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Detailing Team

MARN STEEL STRUCTURE LTD. has an experienced team of Detailing Engineers and checkers that use advance AutoCAD/Tekla Structure for drafting, modeling, designing and drawing Steel structures in compliance with AISC and other relevant building codes, according to specifications and client's requirements. Each steel component is virtually detailed to facilitate proper fabrication. Parametric models create a clear visual demonstration of all building components. This intelligent and precise engineering ensures the highest level of build quality and provides an accurate design & detailing process.





Quality Control Team

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Erection Team

MARN STEEL STRUCTURE LTD. boasts a robust team of highly skilled engineers who spearhead the erection of prefabricated steel structures for our esteemed clientele. Our engineers are meticulously trained and possess extensive expertise, ensuring the flawless installation of steel structures to meet the exact specifications and requirements of our clients.

Furthermore, we take pride in our extensive fleet of experienced foremen and erection workers, who are adept at overcoming challenges associated with installation difficulties. Their wealth of experience and rigorous training enables them to tackle any obstacle with precision and efficiency, guaranteeing the successful completion of projects with uncompromising quality.

At MARN STEEL STRUCTURE LTD., we understand the importance of timely project delivery and aim to streamline the construction process by eliminating potential disputes and claims arising from delivery issues and mismatches. By proactively addressing these challenges, we ensure seamless project execution and unparalleled customer satisfaction.



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MARN - Company Profile



Civil Department

Architectural Design

We do a conceptual drawing, design, master plan, 3D drawing, RAJUK/municipal drawing, and aesthetic beauty of the project as per clients' requirements with our knowledge, experience, and expertise. We maintain all standard codes in BNBC to respond to the project's needs.

Structural Design

MARN STEEL STRUCTURE LTD. does safe, economical, easy, and quick construction design as per BNBC.

Quantity Surveying

We plan our project using MS Project and monitor costs to complete the project in the minimum amount of time.

Project Planning and Progress Monitoring

We do accurate and quick estimates, rate analysis, BOQ, costing, and budgeting using our self-made Oracle database software.

Cost Controlling and Monitoring

We manage cash and material flow using MS Project and monitor costs with our software.

Quality Monitoring

We test concrete strength, brick, sand, stone chips, and MS rods from BUET, and we also conduct pile integrity tests to maintain the quality of construction.



RCC & ROAD Construction

We specialize in a wide array of civil engineering services, utilizing cutting-edge technology such as total stations for precise layout and offering expertise in various foundation types, including piling (cast in situ/precast). Our experienced engineers manage all aspects of single- and multi-story pre-engineered building (PEB) construction. Additionally, we excel at constructing multi-story RCC buildings with basements, internal roads, machine foundations, and harmonized floors with a mechanically powered trowel finish. Our capabilities extend to landfilling, boundary walls, sanitary, electrical, and sewerage works, as well as internal finishing works such as mosaic, tiles, marble, wooden and aluminum doors, windows, false ceilings, and glass doors. We are proud to have undertaken projects for esteemed government organizations including LGED, the Education Engineering Department, City Corporation, Roads & Highways, PWD, NAVY, CAAB, and BEPZA, demonstrating our commitment to excellence and reliability in the industry.





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MARN?

Seasoned Structural Designers: Benefit from the expertise of our experienced structural designers who bring a wealth of knowledge to every project.

Dedicated Teams for PEB and RCC Structures: Our specialized teams ensure focused attention on both Pre-Engineered Building (PEB) and Reinforced Cement Concrete (RCC) structures, delivering optimal results in each domain.

Proficient Detailers: Rely on our detailers with extensive experience, ensuring precision and accuracy in every aspect of the project.

Exemplary Fabrication and Erection Services: Experience top-notch fabrication and erection services, marked by efficiency and quality that meet the highest industry standards.

Customer-Centric Approach: We prioritize our clients by actively listening to their needs, ensuring that their requirements are understood and incorporated throughout the project lifecycle.

Precision Workmanship: Our commitment to precision extends to every phase of the project, guaranteeing meticulous workmanship that reflects the highest quality standards.

Premium Quality Materials: MARN is synonymous with superior quality. We source and utilize the best materials, ensuring durability and longevity for your structures.

Customer Satisfaction Focus: At MARN, customer satisfaction is our ultimate goal. We are dedicated to meeting and exceeding client expectations, making their experience with us exceptional.

Comprehensive Two-Year Service Warranty: Enjoy peace of mind with our two-year service warranty, provided at no additional cost to our valued customers. MARN stands behind the durability and reliability of our structures, ensuring your satisfaction without incurring any extra expenses."





Efficient Workflow

Project Scope Clarification

Initiate by meticulously capturing the project's scope from the client, ensuring a comprehensive understanding. Collaboratively review requirements with our expert team to refine and solidify the final deliverable.

In-House Design Excellence

Leverage our dedicated design and detailing department, equipped to craft tailored solutions aligned with the client's specifications. Our in-house expertise ensures precision and innovation in every project.

Streamlined Operations

Unified with various departments, our operations seamlessly facilitate the implementation of projects following the client's demands. This integrated approach ensures efficiency and project coherence.



Meticulous Execution

Mastering the art of execution, we pride ourselves on maintaining impeccable work quality and delivering complete satisfaction to our clients. Our commitment to excellence is evident in every phase of the project.

Comprehensive Presentation

Collaboratively, our team presents a holistic view of the project to the client, encompassing all perspectives. This comprehensive presentation ensures transparency, aligning expectations and outcomes.

Client-Centric Collaboration

We foster a synergistic relationship with our clients, working as a cohesive team to deliver the best possible output. Embracing client feedback is integral to our continuous improvement, refining our performance and ensuring client satisfaction.







License & Certifications

- 1. Trade License (DNCC)
- 2. ISO 9001:2015 Certificate
- 3. Steel Building Manufacturers Association of Bangladesh (SBMA) Membership
- 4. Dhaka Chamber of Commerce & Industry (DCCI) Membership
- 5. Department of Fire Service and Civil Defence (Fire License)
- 6. Department of Environment Clearence Certificate
- 7. Department of Inspection for Factories and Establishments (DIFE) License
- 8. Import Registration Certificate (IRC)
- 9. Export Registration Certificate (ERC)
- 10. Inspector / ABC License (Electricity Licensing Board)
- 11. Bangladesh Railway West Zone Contractor License
- 12. Civil Aviation Authority of Bangladesh (CAAB) Contractor License
- 13. Bangladesh Export Processing Zone Authority (BEPZA) Contractor License
- 14. Military Engineer Services (MES) Contractor License
- 15. Military Institute of Science and Technology (MIST) Contractor License
- 16. Directorate General Defense Purchase (DGDP) Supplier License





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Profile

Disclaimer

This brochure has been compiled by MARN STEEL STRUCTURE LTD. to support engineers with the most common data on Pre-Engineered steel building accordance with national and international. For further query related to pre-engineered steel building, please feel free to contact Our Sales department.

This brochure may contain some typing or printing errors. Readers are requested to consider these errors (if any cordially and suggest us to improve the quality. Your valuable suggestions will be accepted affectionately.

www.marnsteel.com



MARN STEEL STRUCTURE LIMITED

[PRE-ENGINEERED STEEL BUILDING MANUFACTURER]

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