MSAFE
PROTECT THE PEOPLE

M1



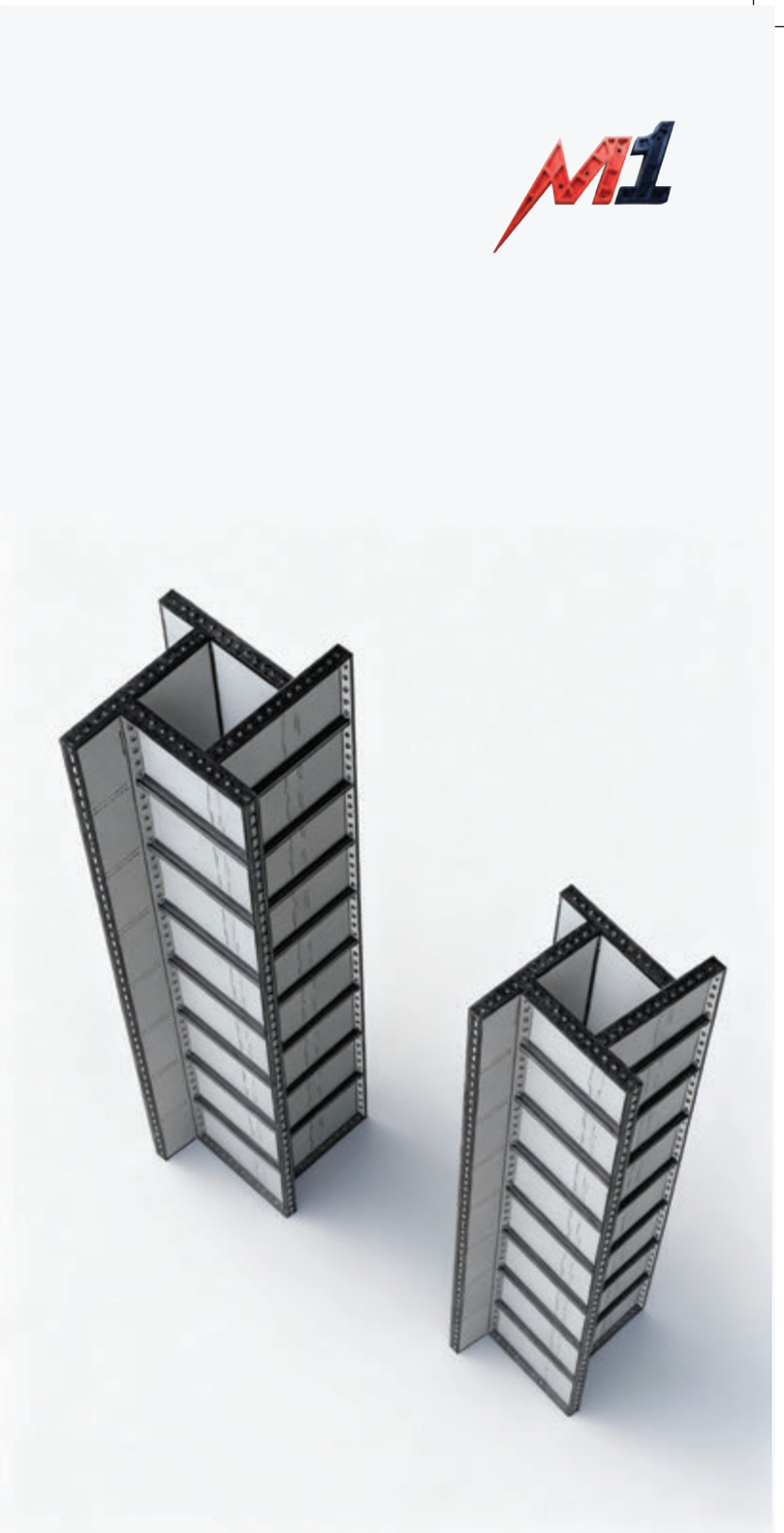
Aluminium Formwork

Build Faster. Build Stronger. Build Smarter

M1 Aluminium Formwork offers advanced formwork solutions that redefine efficiency in construction. Our systems are lightweight, durable, and precisely engineered to deliver faster build times and consistent structural quality.

Why Builders Trust M1?

- Strong yet lightweight aluminium systems
- Faster slab cycles and reduced labour dependency
- High reusability for maximum return on investment
- Accurate finishes with minimal plastering
- Trusted support from planning to execution

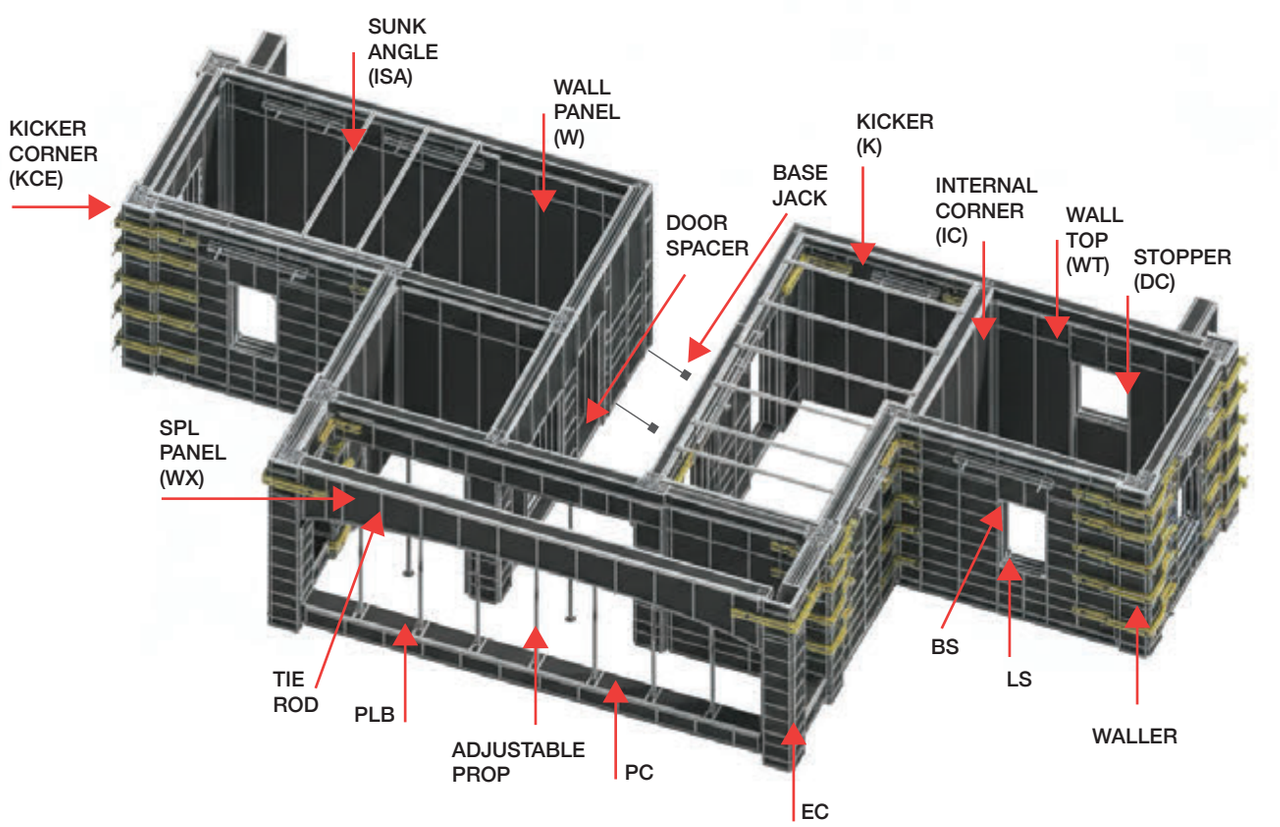


M1 stands for
reliability, innovation
and performance
on every site.



We develop detailed, pre-engineered 3D Formwork models for every project, enabling our clients to gain a clear and comprehensive understanding of the structure before execution begins.

These models allow for a complete virtual walkthrough of the assembly prior to installation, enabling early identification of potential errors or missing components. By resolving issues in advance, we help prevent on-site delays and ensure a smoother, more efficient construction process.



Key Benefits of Aluminium Formwork

Accelerated Construction Speed

By eliminating the need for separate stages for different structural components, monolithic systems can increase construction speed by 30–50% compared to traditional methods. A typical floor cycle can be reduced to just 4–10 days.

Improved Safety and Accuracy

Modular panels are lightweight (approx. 22 kg/sqm) and easy to handle, reducing physical strain on workers. Built-in safety features like integrated guardrails and access platforms further enhance on-site security.

Enhanced Structural Integrity

The single-pour process creates a seamless, unified concrete structure with fewer joints. This reduces weak points, improves load-bearing capacity, and enhances resistance to seismic and wind forces.

Adaptable

Can be customized for complex architectural design

Superior Surface Finish

Precision-engineered aluminium panels provide a smooth, uniform finish. This often eliminates the need for heavy plastering, significantly reducing finishing costs and labour.

Durability & Low Maintenance

Solid construction means less wear and tear, fewer cracks, and lower long-term maintenance.

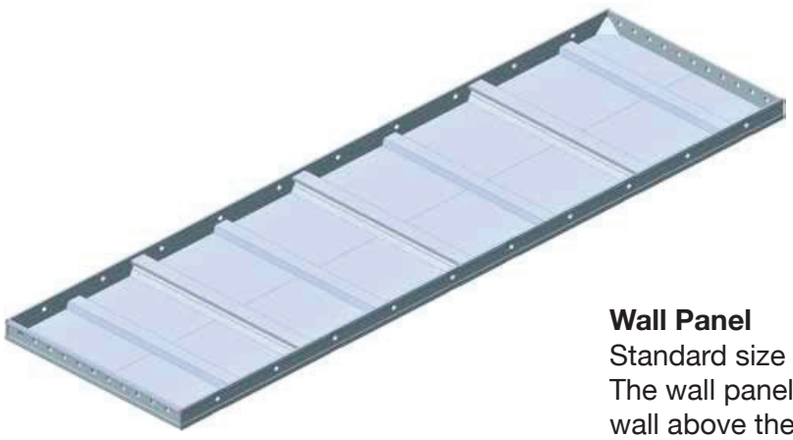
High Reusability and Cost Efficiency

While the initial capital investment is higher, aluminium panels are exceptionally durable and can be reused 150–300 times. This makes the system highly economical for large-scale, repetitive projects like high-rise residential towers.

Eco-Friendly & Sustainable

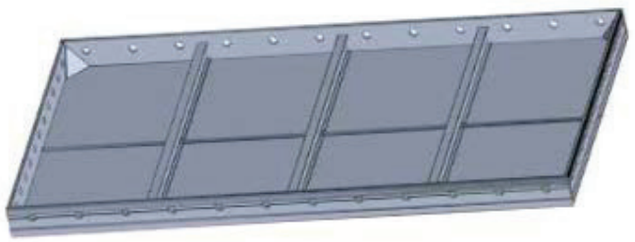
Minimizes material wastage and supports Eco-Friendly & Sustainable building practices.

Our Products



Wall Panel
Standard size - 2400 w 600
The wall panel forms the face of the wall above the rocker (RK) first.

Deck Panel
Standard Size - 1200 D 600
Deck panel used to form the soffit of the slab.





End Beam
Size - Dependent upon each structure used to join the prop head and slab corner, the end beam supports the slab panels.



Deck Prop Head
Standard Size - DP-200.
Used to join beams together (mid beam & end beam), the prop support will be placed under the deck prop head.



Corner External
Size - Dependent upon each structure the SC component forms the horizontal external Corner between wall/beam face and slab face.

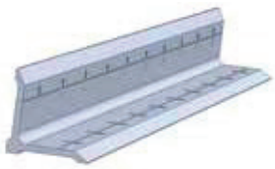
Our Products



Soldier Tie
Used to join the deck prop head with the beams (middle beam and/or end beam).



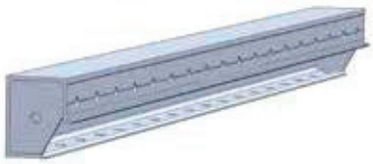
Internal Corner
Used to connect two vertical panels with internal corner.



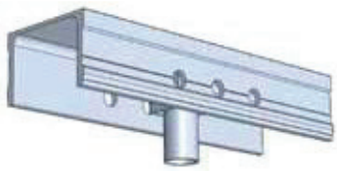
External Corner Angle
Size dependent upon each structure used to connect two vertical panels with internal corner.



Beam Bottom
Size dependent upon each structure soffit panel will be used to cover bottom of the beam.



Slab Corner
Size dependent upon each structure connection between wall panel & slab panel.



Beam Prop Head
Size dependent upon each structure soffit bottom prop support will be placed under the beam prop.



Door Closer
Size dependent upon each structure used to closed the wall end.

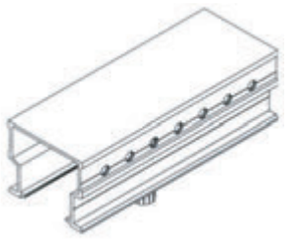


Wall Rocker Bottom Panel
Standard Size 2100 WRB 600 The wall panel forms the face of the wall with rocker (RK).

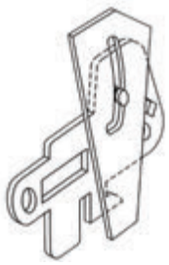


Corner Internal
Size dependent upon each structure the sc component forms the horizontal internal corner between wall/beam face and slab face.

Our Products



Special Prop Head
Size: Dependent upon each structure.
Application: joint the beams together this special prop head will be placed where a normal prop head cannot be installed.



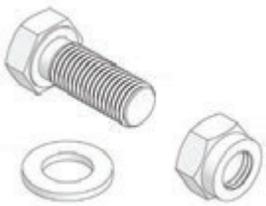
Waller Bracket, Square Pipe
Application: Ensure the horizontal straightness of wall panels and a flat wall surface (especially at the bottom) after concrete casting.



Middle Beam
Size - Dependent upon each structure used to join the prop heads, the middle beam supports the slab panels.



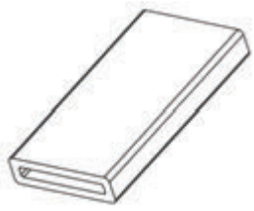
Flat Tie
Application: joint the wall panel to the opposite side's wall panel. Depending on the wall panel's height, the number of flat tie used will vary.



Bolt, Nut, Washer
Application: Firm panels on the concrete surface during its installation.



Steel Support
Application: Used to support the weight of the slab during concrete pouring and casting, adjusting the verticality and horizontality.



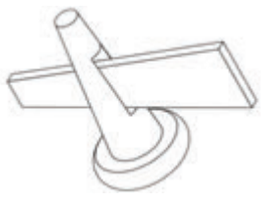
PVC Sleeve
Application: The flat tie will be inserted inside to protect the flat tie to be casting by the concrete.



Wall Platform
Application: Fixed on the concrete, used as working platform for workers.



Tie Rod
Application: Fixing inner and outer wall panel, in case any wall distortion.



Stub and Wedge Pin
Application: interlock each wall or slab panels together.



Long Pin
Application: Interlock the prop head and beams together.

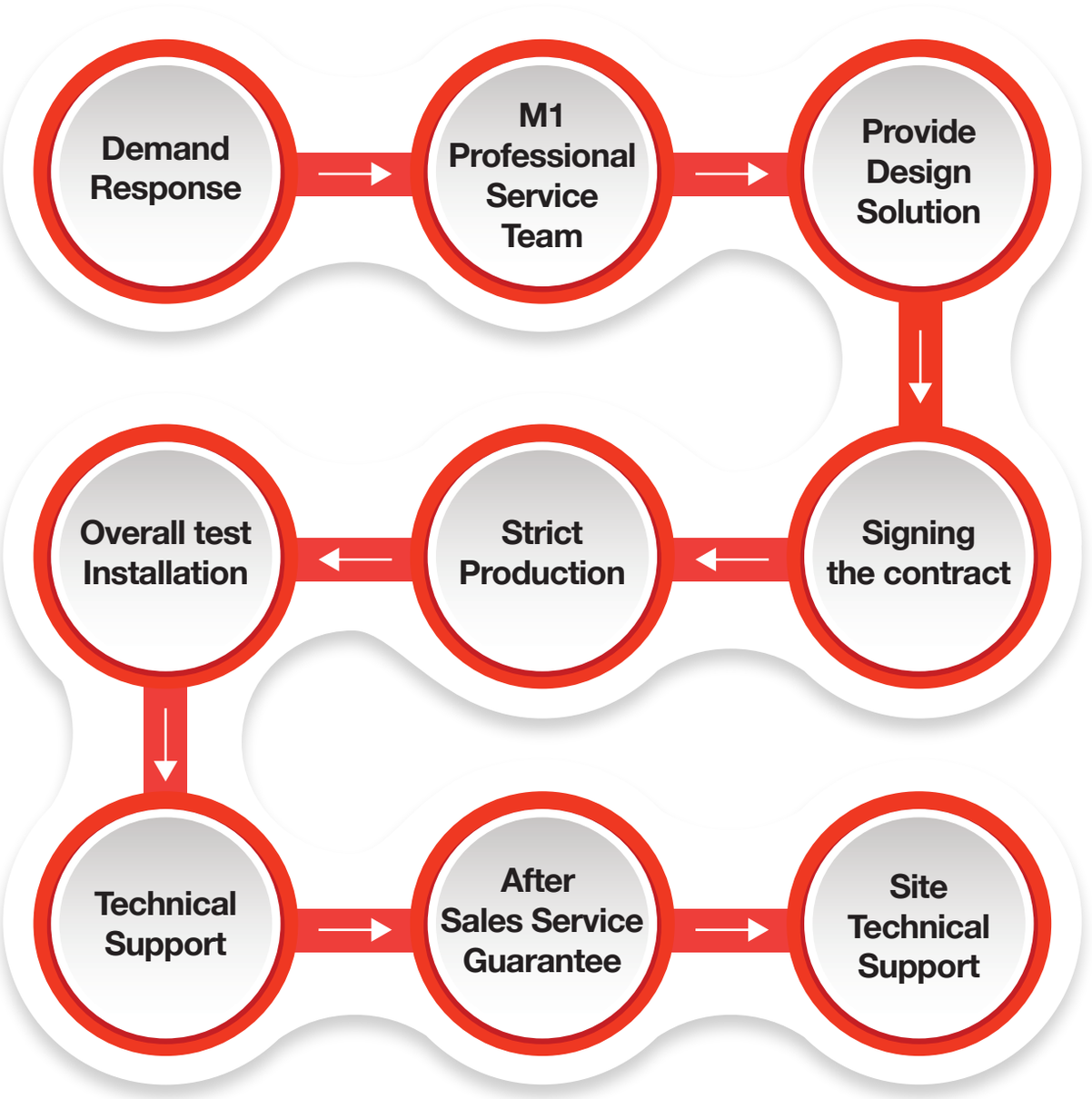


Push-Pull Prop
Application: Used to adjusting the verticality and horizontality.

Comparision of Aluminum Formwork

Item	Plywood Formwork	Small Steel Formwork	Light Steel Frame Plywood Formwork	Aluminium Formwork
Material	Thickness Plywood	Thickness Steel Plate	Thichness Plywood	6061 - T-Fix Aluminium Profile
Thickness	12-18	55	120	65
Weight	10.5	35-40	40-42	18-22
Loading (KN/m2)	30	30	50	60
Cycle Times	5	100	150	300
Execution	Easier	Easy	Easier	Easier
Mending Fee	Lower	Low	High	Low
Effectiveness	Low	Low	High	Higher
Application	Wall, Column, Beam, Bridge	Base, Wall. Column, Beam Slab	Wall, Column, Beam, Bridge	Wall, Column, Beam, Bridge
Quality of concrete surface	Rough surface	Rough surface, low accuracy	Smooth surface, can reach facing and ornament fair-faced	Smooth surface, can reach facing and ornament fair-faced
Recycle Value	Low	Middle	Low	High
Must using lifting tower or not	No	No	Yes	No

M1 Process


Demand Response
M1 Professional Service Team
Provide Design Solution
Signing the contract
Strict Production
Overall test Installation
Technical Support
After Sales Service Guarantee
Site Technical Support

Here’s why industry leaders trust us:

Manufacturing Facilty

Our advanced facility is equipped with atate-of-the-art precision machinery and world-class quality control systems.





In-House Engineering Team

From design to delievery, our skilled engineers bring innovation, speed and precision to every project.

Made in India, Trusted Worldwide

Our products are proudly manufactured in India from premium-grade aluminium, while adhering to international benchmarks.





High-Volume Capacity

We efficiently meet bulk reqiurements with rapid roll-outs, ensuring that even the largest projects are delivered without delay.

High-Speed Production

Advanced automatic production lines support high-capacity, standardised manufacturing, allowing us to deliver formwork systems quickly and efficiently to project sites.





Why *M1?*

Choosing M1 means partnering with a company that truly understands the demands of modern construction and consistently delivers beyond expectations.

For Developers & Contractors

Lower costs, Faster ROI
More reliable timelines
Reduced Complexity

For Architects

Greater design freedom
Clean lines and flexible design
Modern aesthetic possibilities

For Project Manager

Less dependency on skilled labour
Easy quality control
Simplified co-ordination

For Investors

Stable value due to longevity
Long-term financial security / capex

REFURBISHMENT
A 12-STAGE PROCESS

STAGE 1 DRAWING

It involves looking at the old drawing and creating a new shell drawing. Then, a new modulation drawing is made that includes old & new material.



PROJECT

- **OLD DWG.**
  - **OLD MODULATION DWG.**
  - **MATERIAL LIST**
- **NEW DWG.** SHELL DWG.
  - **NEW MODULATION DWG.** WITH OLD MATERIAL + NEW MATERIAL
  - **PROVIDE AREA STATEMENT**

STAGE 2
INSPECTION



Old material is sorted to be used for a new project. A bifurcation of damaged and well-conditioned panels is done, followed by checking for refurbishment.

STAGE 3
CHIPPING



A device called chipper is used to remove concrete lumps from shortlisted panels and sections.

STAGE 4
DIPPING



The chipped panels are dipped in a chemical tank to 100% remove the concrete sticking on the sides of the panels.

STAGE 5
CLEANING



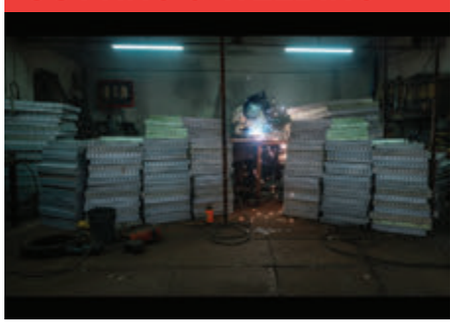
Using a powerful jet spray, the panel is washed and cleaned with water.

STAGE 6
LEVELLING



Using a hydraulic press machine, the panel is straightened and undulations, if any, are removed.

STAGE 7
CUTTING & WELDING



Using a standard welding machine, the damaged or cut part of the panel is welded.

STAGE 8
BUFFING



The surface of the panel is now prepared to receive a lacquer coating, with the help of a buffing machine.T

STAGE 9
COATING



To achieve a smooth finish and easy removal of the panel, a lacquer coating is done using an air compressor, air pipe and paint gun.

STAGE 10
BARCODING



Before handing over the final product to the client, we will proceed with sticking the barcodes as per the required specifications.

STAGE 11
PACKAGING & TRANSPORTING



Based on concrete pour, packing list is prepared and the delivery is done at client site.

STAGE 12
HANDOVER & MOCKUP



Material is handed over room wise by barcode scanning. Based on hole matching, necessary modifications are done with provision of bracket holes.

OUR ESTEEMED CLIENTS



NOTES

MSAFE
PROTECT. THE PEOPLE

M1



Our Locations / Yards

NORTH

Delhi-NCR,
Regd. Office: C-186, Vivek Vihar, Phase-1, Jhilmil, Delhi-110095

Corporate Office: A-57, 7th Floor, Let's Connect Business Park, Sector-136 Noida - 201301

Factory: G - 103, Site 5, Kasna Rd, Industrial Area, Greater Noida, Uttar Pradesh - 201306

Factory: K-446, Industrial Unit, Surajpur Site V Upsida, Industrial Area, Noida, Gautam Buddha Nagar, Uttar Pradesh 201306

Lucknow : Plot No 11 Kh No 3533, Sarojini Nagar, Gindan Khera.

Punjab : Om Ji Complex, 0-I Complex Godown Area Bhabat Bhabat Zirakpur, Punjab – 140603

Jaipur : 19, Shree Dev Nagar, Harmada, Jaipur, Rajasthan, 302013

EAST

Kolkata : J L No. 96, R.S KH No.219, L.R.KH No. 2-414-1, Moza Kharial PS Coalcomlx Santra Para Kharial, Dakuni, Hooghly, West Bengal - 712311

Bhubaneswar : Plot No. 462 / 533 / 853, Khata No. 290, PS Chandaka, Bhagabatipur, Dist Khordha, Bhubaneswar, Orissa - 752054

Guwahati : Ground Floor, Patta No 91 Old/147 New, Boragaon. Mouza Bettola, Revenue Village, Guwahati, Kamrup Metropolitan, Assam 781035

WEST

Mumbai :
Office: No.28, Bluerose Industrial Estate Western Express Highway Borivali East, Mumbai 400066
Yard: Shop no: A-3, Rhytham Developers, Usatane Village, Kalyan East, Thane, Maharashtra 421306

Pune : Mauli Warehouse, Gate No. 143, Opp Om Logistics, Pune - Nashik Road, Chimbali, Chimbali Phata, Mauje Kuruli, Chakan, Pune, Maharashtra - 410501

Ahmedabad : 5 Sur No. 191, 192, 193, 194, 195/1, Paiki Bagba Green, Opp. Narimanpuragam, Dholka Road, Fatehvadi, Ahmedabad, Gujarat - 382210

Nagpur : Godown No. 7, Ground Floor, H. No. 2915,Ward No. 4, Sariputra Society, Vikash Nagar, Khadgoan Road, Dattawadi, Nagpur, Maharashtra - 440023

Indore : Housingh Chouraha, Pithampur, Madhya Pradesh 454775

SOUTH

Chennai :
S/No. 102/3A2, Vasanthapuri-I, Malayam Bakkam, Thiruvallur, Chennai, Tamil Nadu, 600123

Bangalore :
Site No: 3260, 1st Block, Sir MV Layout Bangaluru, Karnataka - 560056

Visakhapatnam :
7-10-41/1, Panthulugari Meda Gajuwaka,Visakhapatnam, Andhra Pradesh 530026

Hyderabad :
Ground Floor, Door No. 7-3145/3/32, Zone-4,Sub Zone B, Situated at Gagan Pahad, Katedhan Ranga, Reddy Dist, Hyderabad, Telangana 500052

Coimbatore :
SF.593/5 Kuruchi Carmel Nagar, Kurichy Madukarai, Podanur, Coimbatore,Tamil Nadu, 641021

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