

India's No.1

Patented Modular Plastic
Formwork Systems

Nova
NOVA FORMWORKS



**BUILD FASTER.
BUILD SAFER.
BUILD BETTER.**



Scan the QR code

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From Chairman's Desk

At Nova Formworks, we believe the future of construction lies in building smarter, faster and more sustainably. Our journey is driven by a simple vision – to make people’s lives easier.

Today, Nova Formworks proudly stands as India's No. 1 Patented Modular Plastic Formwork System, offering precision-engineered, reusable and modular plastic formwork solution.

From residential and commercial developments to large-scale infrastructure projects, Nova Plastic Formwork Systems are helping construction teams work with greater speed, flexibility and efficiency, while delivering consistent quality across diverse applications.

As India moves towards Viksit Bharat 2047, Nova Formworks aspires to be part of this transformation. Our commitment to sustainable formwork solution is reflected in our ZED Silver certification and in our focus on creating reusable plastic formwork systems that can deliver 100-150+ reuses while reducing material wastage.

- Mr. Vikas Kumar Mittal

Chairman & Managing Director



Problems we are addressing

 Heavy Material	 Limited Repetitions	 Uneven Quality	 Frequent Delays	 Skill Dependency	 Corrosion & Damage
 Expensive Maintenance	 More Investment, Less ROI	 Storage Space Issues			

The Solution

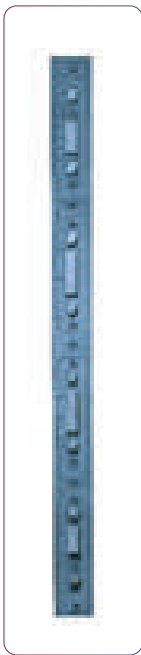
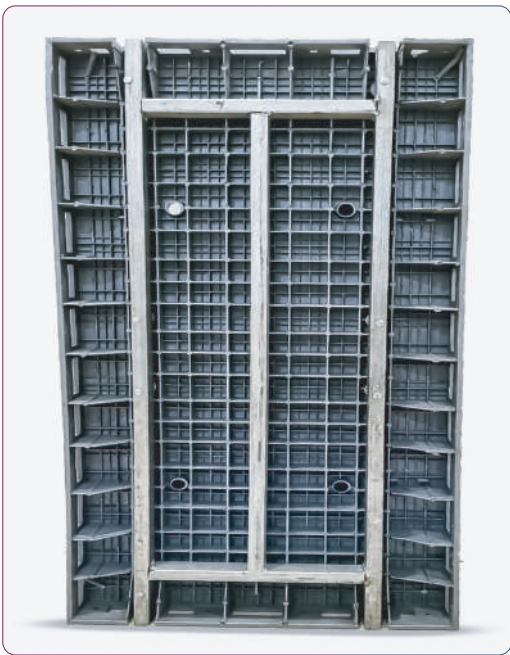
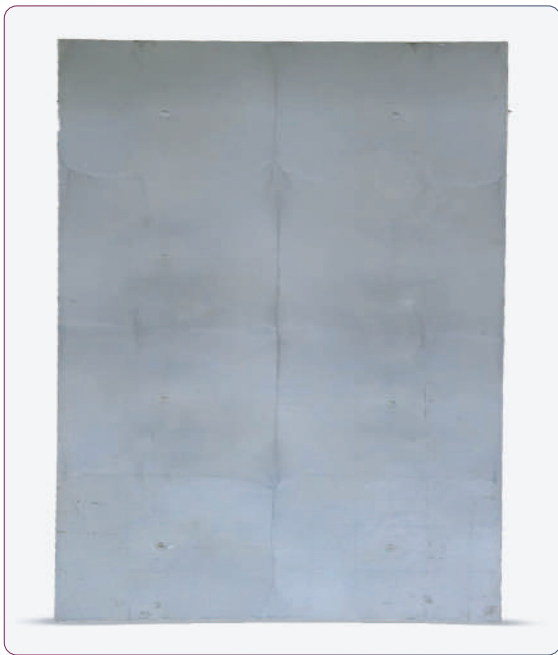
 100+ reuses	 No rust & No swelling	 Smooth, Consistent	 Faster slab cycles	 Lower labour	 Built-in safety
 All Weather Solution	 6m+ Pouring in one go	 Patented Lock			

Nova Plastic Formwork System

Our Plastic Formwork system offers 100% recyclable, 100+ uses, 6m+ pouring in one-go, less skilled labour needed, fastest delivery and more in the system.

Sizes & Dimensions

Panel Size (mm)			
1000 x 1235	400 x 1235	250 x 1235	125 x 1235
600 x 1235	350 x 1235	230 x 1235	100 x 1235
500 x 1235	300 x 1235	200 x 1235	Flexible Panel 100 x 1235



IC & OC

Inner Corner	Outer Corner
100x100x1235 mm	80x80x1235 mm



Note: Sizes and weights are approximate and represent commonly used standard options. A complete range is available, and dimensions can be customized as per project requirements.

Spacers

5X1235 mm	10X1235 mm	15X1235 mm	20X1235 mm	25X1235 mm	40X1235 mm
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Modularity: One system. Endless possibilities.

Nova’s modular design adapts to every project - from small villas to mega infrastructure. No matter the size, shape, or complexity, our panels fit together seamlessly to deliver faster, smarter construction.

How to Install?



Why Modularity Matters

With Nova's modularity, your team gets:

-  Less dependency on skilled labour
-  Safer & cleaner sites
-  Minimal material wastage
-  Consistent quality across every pour



Nova Star Range | Adjustable Panel

Nova Star Range is an adjustable panel system built to solve exactly this - one panel family that reconfigures across a wide range of column sizes instead of demanding a new mould for every dimension.



Sizes & Dimensions

Connections

250 X 1235
300 X 1235
350 X 1235
400 X 1235
450 X 1235
500 X 1235
600 X 1235

Nova Aluminium Formwork System

ISO 9001:2015 certified Nova's aluminium formwork delivers monolithic casting of walls, columns, and slabs in a single pour - engineered for high-rise and mass-housing projects where cycle time directly drives project economics.

- **Load-Bearing Capacity:** Engineered to withstand fresh concrete pressure up to 60 kN/m², preventing panel deformation or bulging during pour
- **Surface Finish:** Precision-extruded panels deliver a smooth, plaster-free concrete finish, cutting a full trade (plastering) out of the build cycle
- **High Repetition:** 200-250+ reuse cycles without loss of dimensional accuracy or finish quality
- **Faster Cycle Time:** Reduces slab-to-slab cycle to 6-9 days vs. 12-18 days for conventional shuttering
- **Sustainability:** Fully recyclable aluminium with high scrap value; eliminates plywood/timber waste from site

Ideal For: High-rise residential towers, mass housing, institutional buildings, and rapid-track infrastructure projects requiring identical floor-to-floor repetition.



Nova Round Column Formwork

System Configurations

Sizes and weights are approximate and represent commonly used standard options. A complete range is available, and dimensions can be customized as per project requirements.

Diameter	300 mm
Height	600 mm



Nova Drop Head Deck Slab System

The Nova Drop Head Deck Slab Formwork system is engineered to deliver the industry's fastest floor cycle times.

What do we offer? The Drop Head Difference

- A Fastest Slab within 05-07 Days

Climbing Formwork

Max. Formwork Height	Up to 6,000 mm per pour cycle
Climbing Bracket Capacity	50 kN vertical load per bracket
Platform Width	2,400 mm
Rollback Distance	Up to 750 mm



Safety Screen

Sizes and weights are approximate and represent commonly used standard options. A complete range is available, and dimensions can be customized as per project requirements.

System Configurations

Max. Formwork Height	Up to 6,000 mm per pour cycle
Climbing Bracket Capacity	50 kN vertical load per bracket
Platform Width	2,400 mm
Rollback Distance	Up to 750 mm

Nova Smart Tray System

Structured Routing and Protection for both cables and drainage allowing controlled water flow, preventing water accumulation and reducing long-term damage risks.

Size 1	Size 2
230 mm	750 mm



Formwork Comparison: Nova vs Timber vs Steel vs Aluminium

Parameter	Nova Formworks	Timber	Steel	Aluminium
Initial cost per m²	Moderate	Low	High	High
Reusability	100+ pours (in some cases 150+)	5–10 pours	50–100 pours	100+ pours
Crane / machinery	Not required	Required	Mandatory	Required
Panel Exchange Program	4 old panels, 1 new panel (25% value retained)	No exchange, zero recovery	40–50% Scrap Value	40–50% Scrap Value
ROI / payback period	Higher	No clear ROI	Higher	Higher
Concrete finish	Smooth – no plastering required	Rough, patchwork required	Average, Plastering Needed	Excellent
Material waste	Zero	High, offcuts & leakage	Low	Low
Waterlogged areas	Suitable	Not suitable	Not ideal, rust risk	Suitable but corrosion resistant
Locking system	Secure Novel Locking System	Manual, inconsistent	Bolted, time-consuming	Pin & wedge system
Panel weight	Ultra-Lightweight	Moderate	Heavy	Lightweight
Speed & Operations	Fast	Slow	Slow	Moderate
Assembly speed	Fastest – modular snap-fit	Slowest	Slow, heavy panels	Fast, lightweight panels
Skilled labor	Minimal skill required	Skilled carpenters required	Skilled crew required	Moderate skill required
Modularity	Fully modular & customizable	Not modular	Partially modular	Partially Modular
Training	1-day on-site + manuals & videos	Not provided	Not provided	1–2 Months
Technical support	On-site + 24 hr response	None	None	Provided
Environmental impact	Eco-friendly, Zero Effect, Zero Defect	Poor, high timber wastage	Moderate, energy-intensive	Moderate recyclable but energy-intensive
Scrap / residual value	25% via Panel Exchange	Zero	Minimal – 10–15% scrap value	Moderate, 15–20% scrap value
Theft risk	Moderate	Low	High	Highest

Accessories

Note: Sizes and weights are approximate and represent commonly used standard options. A complete range is available, and dimensions can be customized as per project requirements.



Pin and Wedge

20mm Pin & Wedge

50mm Pin & Wedge



Round Pin

20 mm



Handle

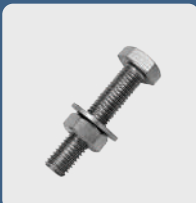
30+250mm



Chabi

Sizes & Dimensions

12 X 13mm



Nut & Bolt

Sizes & Dimensions

8 X 45mm	8 X 80mm
8 X 35mm	8 X 90mm
8 X 65mm	



Tie Rod

Sizes & Dimensions

1 mtr



Washer

Sizes & Dimensions

8 X 40mm

8 X 25mm



Anchor Nut

Sizes & Dimensions

12 X 75mm

16 X 90mm



Waller

Sizes & Dimensions

1 mtr



Water Stopper

Sizes & Dimensions

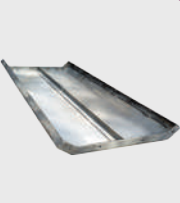
16 mm



Prop Jack

Sizes & Dimensions

1 mtr



Haunch

Sizes & Dimensions

360 X 1235 mm



Bracket

Sizes & Dimensions

1800 X 1500mm



PVC Cone

Sizes & Dimensions

25 mm



PVC Cap

Sizes & Dimensions

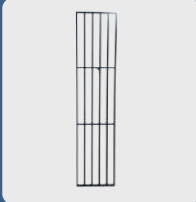
40 mm



Chamfer

Sizes & Dimensions

48 X 48mm



Chali

Sizes & Dimensions

500 X 2000mm



Push / Pull Props

Sizes & Dimensions

600 mm



Cup Lock Ledger

Sizes & Dimensions	2.3m	3.0m
1.8 m	2.5m	
2.0 m	2.8m	

U-Jack Props

Scaffolding

Shuttering Oil

Notable Projects



Ram Mandir (Ayodhya)



GST Bhawan (Mumbai)



CM Guest House (Ayodhya)



Smart city (Mumbai)



IIT (Kanpur , Kharagpur)



Kartarpur Corridor (Punjab)



Amity University
(Noida, Punjab, Kolkata)



AIIMS
(Delhi, Jammu, Patna, Jhajjar)



Noida International Airport
(Jewar)



Airport (Agra)



Airport (Delhi)



Airport (Bangalore)

Notable Projects



RML Hospital (Delhi)



ISBT (bus stop) (Patna)



Police Bhawan (Patna)



Prem Mandir (Mathura)



Water Tank (Bangalore)



Waterstones
5 Star Hotel (Mumbai)



Taj Hotel 5 Star (Varanasi)



RRTS Railway station
(Ghaziabad, Meerut)



Railway Station
(Ghaziabad, Gurgaon, Chandigarh)



MES Hospital
(Himachal Pradesh)



Prem Mandir (Mathura)



Max Hospital

Nova Panel

Exchange Program

At Nova, we are committed to promoting sustainability and supporting long-term customer value. To encourage the responsible use and recycling of our products, we offer a Plastic Panel Exchange Program that allows customers to return used plastic panels only at the time of purchasing new panels.

Under this program, eligible used panels can be exchanged for new ones at a fixed replacement rate, promoting recycling and responsible usage.



Brands that Trusts us

Trusted by leaders. Build on trust.



Applications



WALL FORMWORK



COLUMN FORMWORK



SLAB FORMWORK



BOX CULVERT



SHEAR WALL/CORE WALLS



DRAIN FORMWORK



UNDERPASS



RETAINING WALL



Client Testimonials

Real Projects. Real Results. Real Trust.



“

Nova Plastic Formworks is quite good, and the quality is very reliable. It is highly convenient and very easy to install, which saves us a lot of time on-site. Compared to traditional plywood, it is a much better experience for our team. Our labor force finds setting up and dismantling (shuttering and de-shuttering) to be much more convenient

- Site Team Head, Navya Construction

”



“

We successfully completed a 4.5-meter single cast using FRP Formwork with M60 SCC (Self-Compacting Concrete), fully adhering to the EFNARC Europe guidelines for mix design.

By controlling the concrete placement height at 1.5 meters using a funnel and hose, the product worked perfectly for high-performance engineering design. Nova FRP Formwork helped us eliminate two-stage and three-stage casting, significantly boosting productivity and effectively reducing casting time by 1.5 days per column.

- Project Management Team, Turner India Project Management Ltd, Mumbai

”



“

Unity Multicast Pvt. Ltd. is based in Solapur, Maharashtra, and we work in the mass housing segment. Nova Formwork material, which is fiber-cast, has been used by us for shear wall construction and below plinth work. The performance of the material has been consistent, and the quality has been quite good. Till now, we have achieved approximately 150 repetitions. Additionally, the material can be reworked up to around 70% compared to aluminium formwork. Overall, it is a better option for contractors working in mass housing schemes.

- Unity Multicast Pvt. Ltd., Maharashtra

”



“

I am working as General Manager – Projects at HG Estate. We started using Nova Formwork around one year ago, and we are still using it currently.

In terms of repetition, the formwork is cost-effective and performs well. It can be reused easily, and till now we have achieved around 70 cycles of usage. We are continuing to use this formwork in our projects.

-General Manager – Projects, HG Estate

”

Case Study

Rammed Earth Housing for the Indian Army – Building Stronger, Greener Homes in Leh



Client Snapshot



Partner

Sonam Wangchuk –
Renowned innovator &
environmentalist



Location

Leh, Ladakh
(High-altitude, extreme
cold)



Project Type

Rammed Earth Housing –
Sustainable military
accommodations

“

Hear it from our Client

“

“At 11,000+ ft altitude, only Nova’s plastic formwork could take the load without warping or failing. No other system performed this reliably – Nova made high-altitude construction not just possible, but effortless.”

”

– Project Head, Indian Army



The Challenge

- Extreme compaction forces were causing traditional steel and plywood formwork to bulge, crack, or deform
- Sub-zero temperatures made conventional materials brittle and unreliable
- Heavy systems were difficult to lift and operate at 11,000+ ft altitude
- Frequent failures led to delays, rework, and high replacement cost



The Nova Shift

- Nova Plastic Formwork was introduced when traditional systems failed
- High-impact, weather-resistant panels stayed firm under rammed-earth compaction
- Lightweight modular panels simplified handling in high-altitude terrain
- Delivered consistent, deformation-free casting throughout the project



The Outcome

- Successfully delivered durable, precise rammed earth walls with zero deformation
- Enabled sustainable, warm housing for soldiers in one of the world’s toughest terrains
- Supported the eco-friendly vision led by Sonam Wangchuk
- Ensured smooth progress without delays caused by formwork failures



Key Takeaway

Nova Formworks isn’t just formwork –
it’s a mission enabler.



Strength



Reliability



Innovation



Sustainability



Design



Performance

Case Study

Delivering National Pride – Dwarka Expressway Underpass (G20 Summit, Delhi 2023)



Client Snapshot



Leading Infrastructure Contractor – Delhi NCR



Underpass on Dwarka Expressway (Key G20 route)



Client Testimonial

“

“Without Nova Formworks, timely completion would have been impossible. Their speed and support made the difference.”

”

– Project Head, Dwarka Underpass



The Challenge

- Steel formwork allowed only 1.2 m casting in 2.5–3 days
- Tight 3-month deadline for completion
- High visibility project – delay not an option



The Nova Shift

- Introduced Nova Modular Plastic Formwork mid-project
- Achieved 3.7 m casting in just 1–1.5 days
- Complete material delivered within 8 days
- Provided on-site training & rapid installation support



Results

- Cycle time reduced by 50%
- Casting height increased 3×
- Overall efficiency improved 6×
- Underpass completed on time – ensured smooth access for the G20 Summit



Key Takeaway

Nova Formworks isn't just formwork – it's a mission enabler.



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Design



Performance

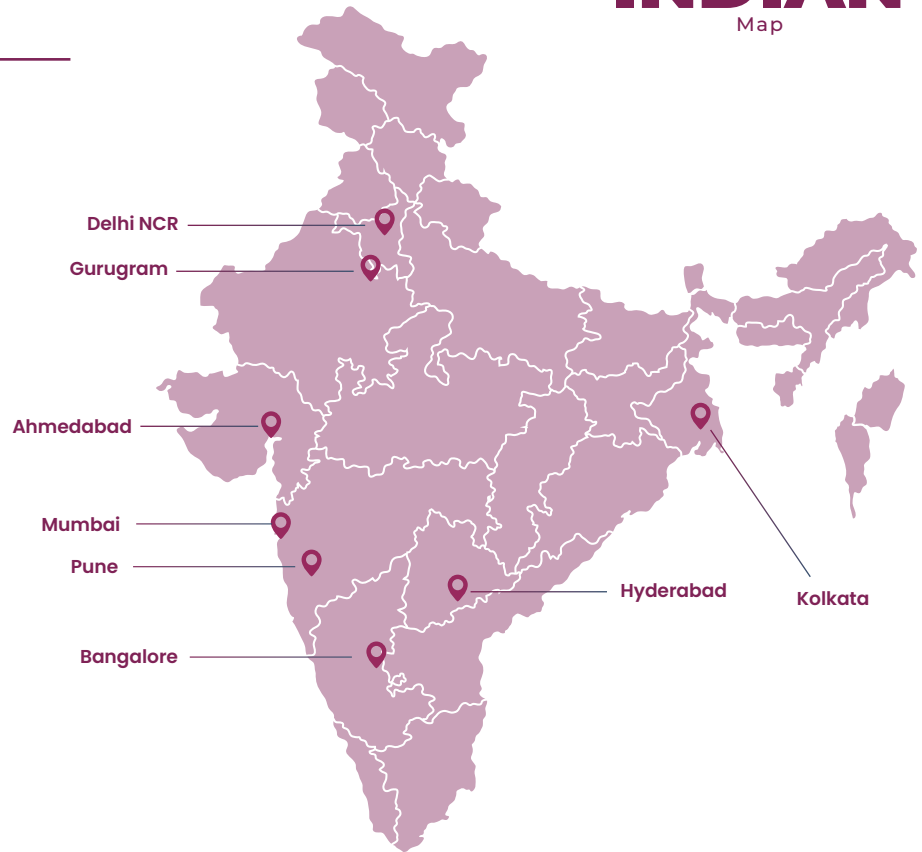
Our Offices

Strong Roots. Wider Reach.

INDIAN
Map



1. Delhi NCR
2. Haryana
3. Uttar Pradesh
4. Maharashtra
5. Gujarat
6. Telangana
7. Karnataka
8. West Bengal



Our International Locations



- | | | |
|----|--|-----------|
| 01 | | U.K. |
| 02 | | Jordan |
| 03 | | Qatar |
| 04 | | U.A.E. |
| 05 | | Guyana |
| 06 | | Ethiopia |
| 07 | | Sri Lanka |
| 08 | | Maldives |
| 09 | | Mauritius |
| 10 | | Bhutan |
| 11 | | India |
| 12 | | Ghana |
| 13 | | Somalia |
| 14 | | Botswana |

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Patented Modular Plastic Formwork Systems



SMARTER SYSTEMS | STRONGER STRUCTURES | BETTER TOMORROW

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