



N O V A F O R M W O R K S



Reliable.Sustainable.Economical

A contractor in problem...

Conventional, standard formwork solutions won't work. My customers are not happy. Nor there are any profits to be made from this.



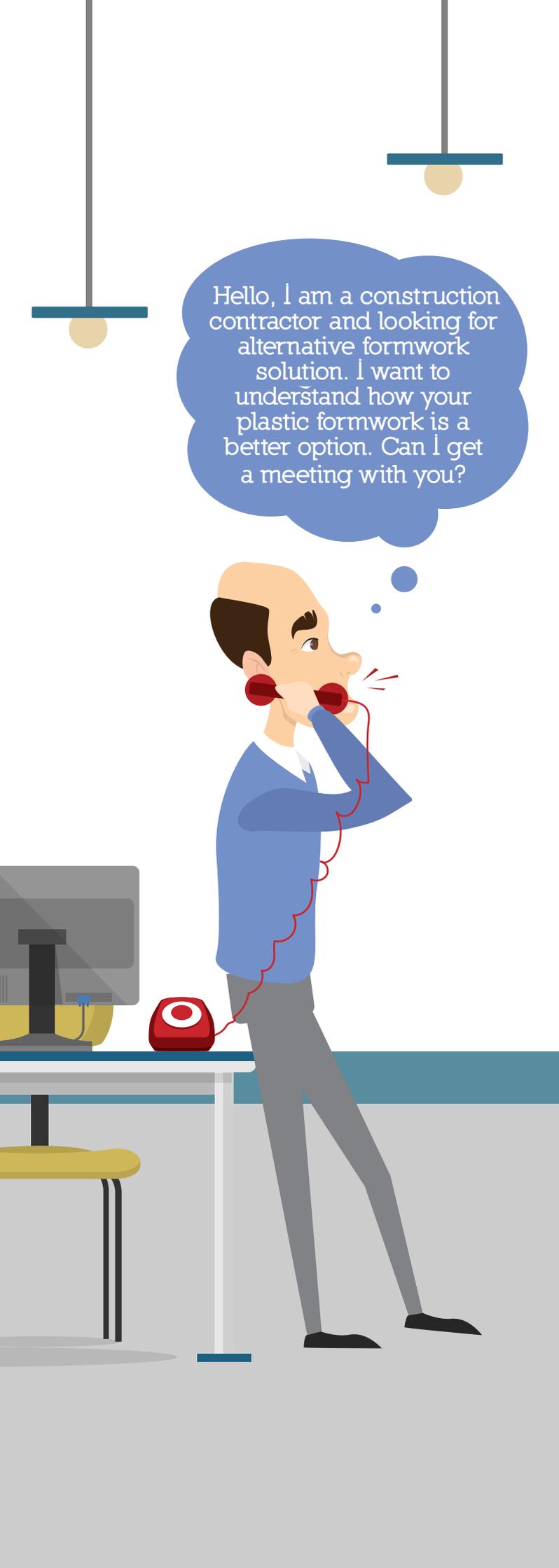


I lost few customers. I have been using traditional formwork in all my construction sites. But the quality turned out poor.

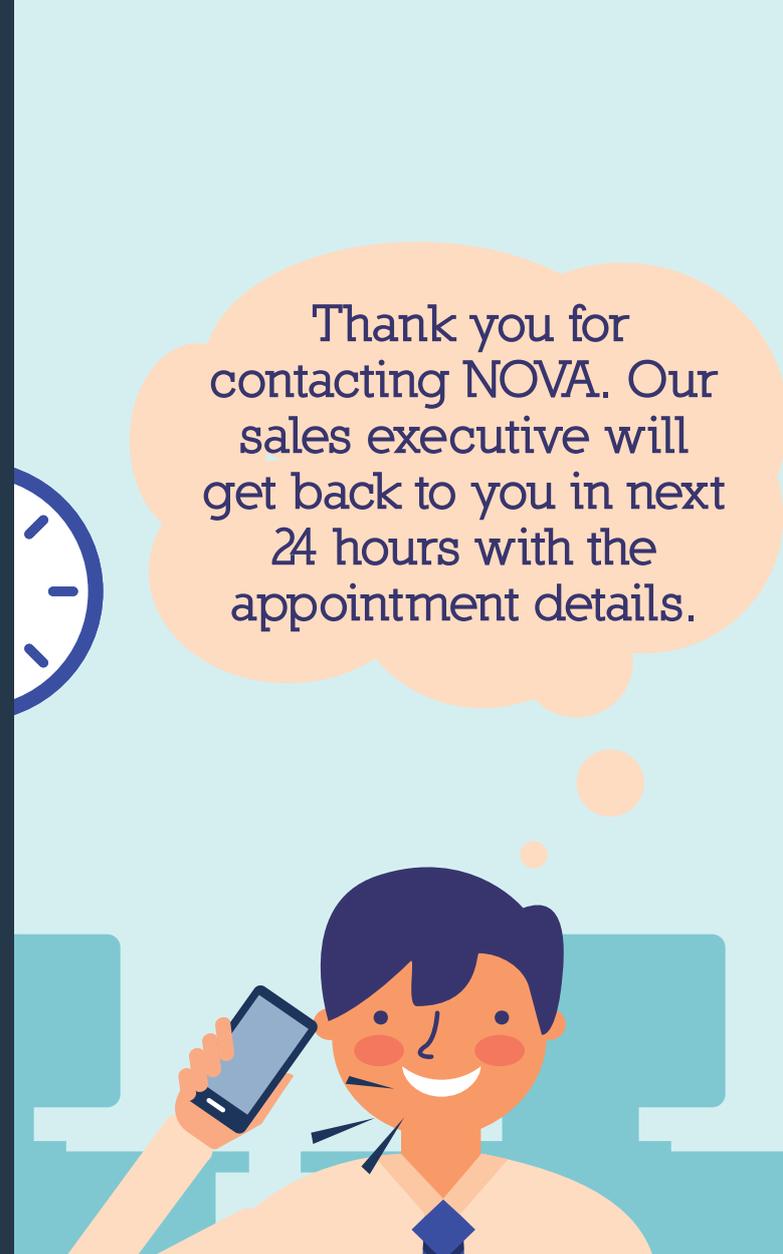
What happened Rajesh?
You look worried?

I was facing the same challenges few years back. But then someone suggested me about plastic formwork. I checked the market and got in touch with **Nova Formworks.** Why don't you call them and discuss your challenges?





Hello, I am a construction contractor and looking for alternative formwork solution. I want to understand how your plastic formwork is a better option. Can I get a meeting with you?



Thank you for contacting NOVA. Our sales executive will get back to you in next 24 hours with the appointment details.

NOVA
NOVA FORMWORKS

Thank you for coming. How can Nova help me overcome my challenges? Using traditional formwork I have made huge loss of reputation and business?

I understand your challenges. We have carefully studied your business. Let me explain you in detail how Nova can give you solutions to all your problems.



Challenges with conventional of construction:

- Timber and plywood formwork have lesser repetitions
- Waste is not recyclable, leading to debris
- There is no scrap value for used timber or plywood
- Timber gives poor finish as it gets stuck to concrete
- Has high safety hazards as breakdown of formwork can lead to accidents on construction site
- More labor cost as setting up and dismantling of plywood formwork structure requires skilled labor
- Creates environmental hazards as trees are indiscriminately cut
- Steel formwork is heavy. Has no proper locking mechanism. Labour efficiency and overall efficiency goes low
- Steel formwork needs cleaning after each usage
- Steel is easily bent and dented

Are these your challenges?



The answer to all these challenges is
NOVA plastic formwork.

We were the first in India to pioneer plastic formwork solutions. Our reliable, sustainable and economical solutions offered a new outlook to the construction industry and helped them look beyond traditional formwork.



NOVA follows a 5 step Formwork Consultancy Methodology:

1  **Study:**
We do a detailed study of expectations of the client, number of days they want the slab cycle in use, repetitions and/or any customisations.

Technical Spec Analysis:
Next, we create the blueprint of the project and figure out technical specs  **2**

3  **Preparing the Drawings and Bill of Quantities:**
In which we study the drawings and the total bill of quantities are prepared and checked.

Debriefing:
The drawings and quote are presented to the client. Feedback is noted and an official summary is provided.  **4**

5  **Handholding:**
Nova's competent engineers implement the solutions at the client's place. They also handhold client's team post installation.



Very nice.
Can you tell me
about your
products?

Sure

Products



Nova Plasmform

NOVA PLASFORM is one of the most popular products of Nova Formworks. It is an advanced formwork with GI supported stiffener that are attached to the back of the panels. Best suited for all vertical and horizontal applications, these panels are strong and robust, making it nearly unbreakable apart from being lightweight (15 -18 kg /sq.mt). The same panels can be used in all applications like wall, slab, box culverts, columns and other concrete applications making it a multipurpose product. The panels are locked with a unique locking system with each other using plastic pins and wedges. The vertical lateral pressure of 6tons / sqmtr is the min load taking capacity .



Nova Alplas

The Nova ALPLAS form is another exclusive product from the house of Nova Formwork. This is manufactured in combination of Plastic and Aluminium formwork systems and is mainly used for monolithic constructions. The alplas formwork has about 65% to 80% plastic with 20% to 35% aluminium formwork. This ensures faster delivery time, longer life and easier installation. This type of formwork is used in high rise construction projects to replace full aluminium formwork and it goes a long way to increase efficiency and reduce cost.



Nova Aluform

Apart from Nova ALPLAS FORM and Nova PLASFORM, Nova has also come up with its range of aluminium formwork (NOVA ALUFORM) in the year 2018. The idea behind it is to provide support to Nova PLASFORM as well as cater to projects where a fully aluminium formwork is required. With this, Nova is equipped to provide all kinds of formwork solutions in the market.

Now I will explain
you the application
of each of our
products in
construction.

Oh.! Very well. I take
multiple types of
construction work. So
this will surely help.

Ok. Follow me
as I explain
you, Sir!



Wall Formwork

Nova Wall Formwork offers the most convenient way to build walls. Easily installed, the wall formwork is best suited for all kinds of vertical applications like walls, shear walls, retaining wall, lift walls, rafts, swimming pool, water tanks, box culverts, drains, STP tanks and other vertical applications. The wall formwork comes in a wide variety of panel sizes that facilitates in the making of supportive verticals, and walls.



Column Formwork

Nova wall panels are multipurpose and are used to make column formwork as well. We offer a conclusive range of sizes which can be added to make any size of columns. Lightweight and manageable, our range of Nova formworks column formworks are available in both regular and customized specification to cater to all kinds of requirements.



Slab and beam Formwork

Nova Formwork Panels are multipurpose and the same panels are used in slabs and beams with some additional panels. It is modular and gives a very smooth finish. Further, these formwork panels are lightweight, easy to dismantle with hand and is safe. The supporting system is decided as per customers' needs and is provided with or without, as per requirement.



Box Culvert

Our range of Box Culvert Formwork Panel is modular in nature and is well equipped to assist in the construction of pre cast box culverts and cast in site box culverts. Our panels can be attached to each other with locking wedges and pins without any gaps and are very sturdy. Hence there is no leakage of concrete and the finish is very smooth.





Drain Formwork

Nova formwork is being used to construct drains in most of the smart cities. It saves time and improves performance and also gives superior finish and quality.



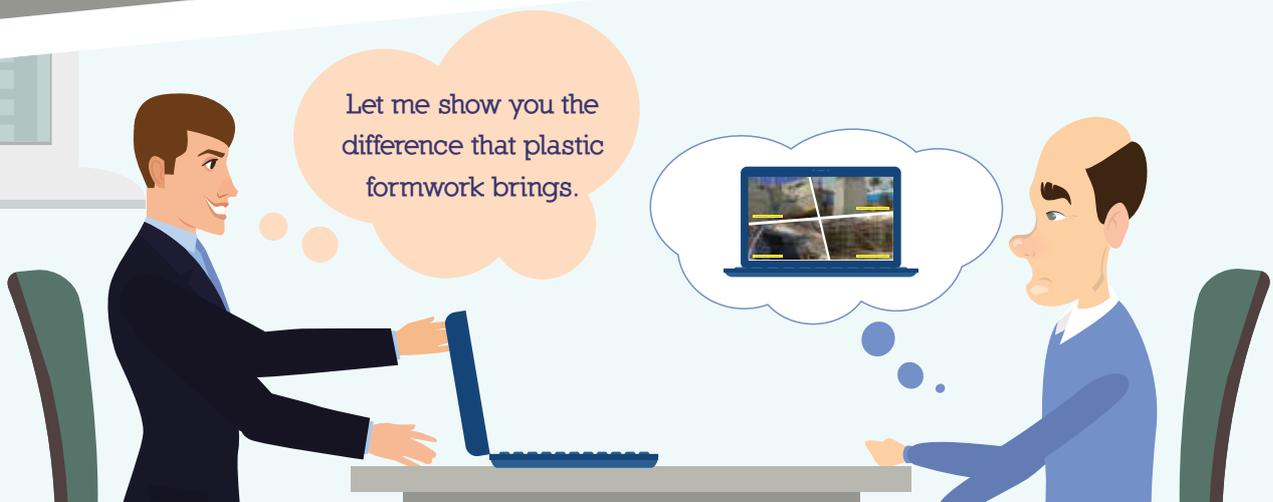
Stitch Concrete

Nova plastic modular formwork is used in the construction of flyover as stitch concrete formwork. It has been successfully used by ITD CHEM and SIMPLEX in the construction of various Delhi Flyovers.



Pre-Cast Mold

Nova pre-cast molds can be used for precast applications for various construction structures such as precast concrete box culverts, precast pits and stitch concrete etc.





Traditional Formwork



NOVA Plastic Formwork



Traditional Formwork

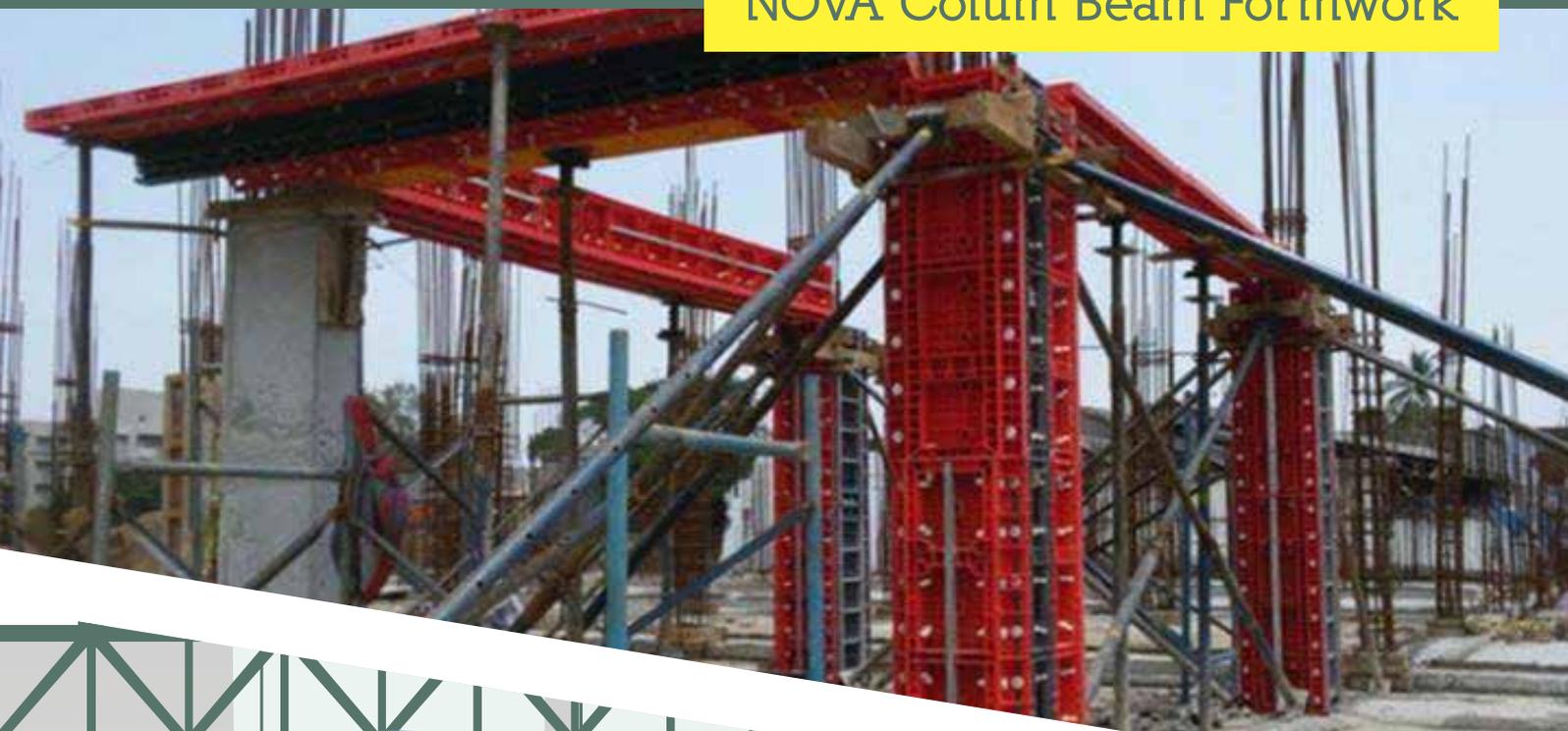


NOVA Plastic Formwork



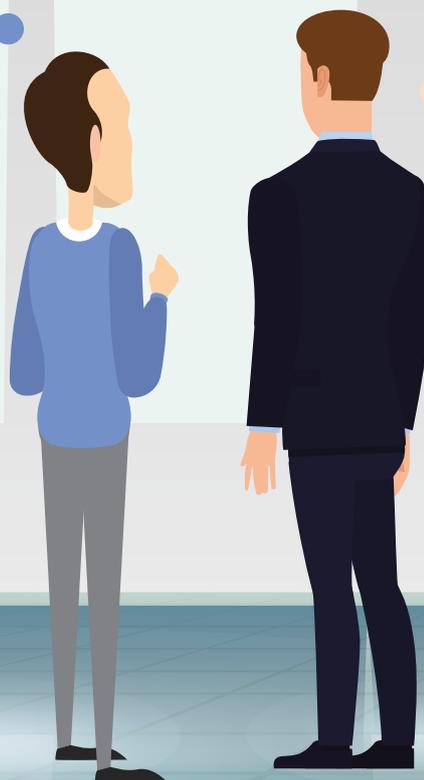
I invite you to come and see some of our products.

NOVA Colum Beam Formwork



Nice. How soon can I expect recovery of my investments in Nova Products?

Sure Sir! Let me explain you the arithmetic. Follow me...



How costing works out

Price of the materials are as described below:

1. Wood lies in the range of Rs. 1400 to 1500 per sq. mt
2. Steel lies in the range of Rs. 3500 to 4000 per sq. mt
3. Plastic costs Rs. 5500 per sq. mt

Repetitions:

1. Plywood can be used for 7 to 10 times
2. Steel can be used for 35 to 40 times
3. Plastic can be used for more than 100 times

The cost of material is calculated as follows:
$$\text{Cost} = \frac{\text{Price} - \text{Scrap Value}}{\text{No. of Repetitions}}$$

*Scrap Value is the discount (measured in percentage) that you get on replacement of the initial material purchased.

Scrap Value for various materials are given below:

Plastic: 25%
Steel: 30% - 35%
Wood: 2%

Per repetition cost for each of the formwork material is as follows:

Plastic: $5500 - 25\% \text{ of } 5500/100 = 5500 - 1375/100 = \text{Rs. } 41 \text{ per sq mtr}$

Similarly,

Steel: $3750 - 1240/35 = \text{Rs. } 72 \text{ per sq mtr}$

Plywood: $1450 - 30 = 1420 / 10 = 142 \text{ per sq mtr}$



Thank you. Nova solved my problems. I will send you the order request. Please raise the invoice.

It is a pleasure serving you Sir. Nova is delighted to offer you its assistance. I will do the needful. Thank you.

6 Months Later...

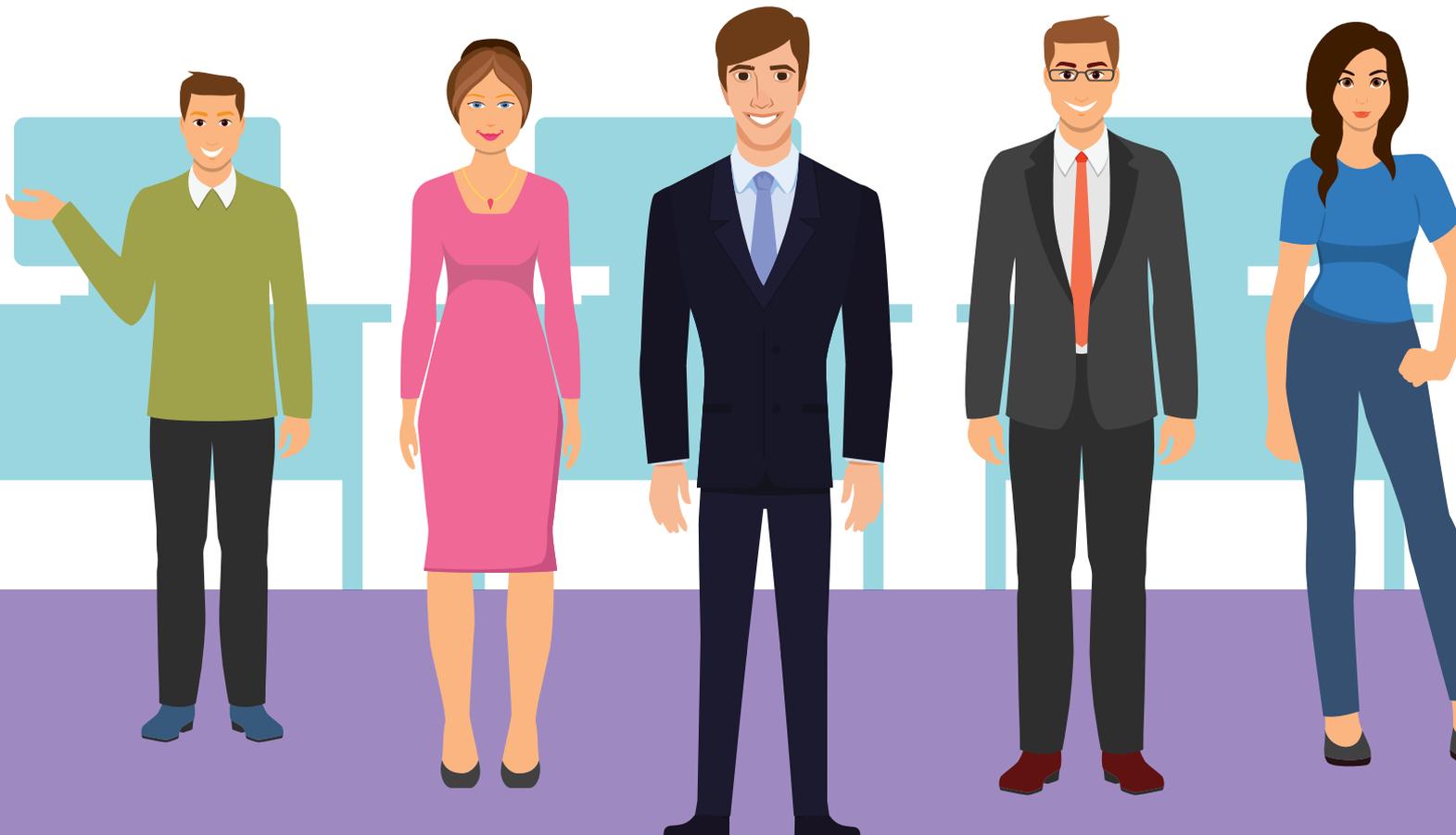
Hello! I am starting a new construction work for a box culvert. I would be requiring some of your formwork products.

Sure Sir !



Welcome to NOVA Formworks

We assist in shaping foundations worldwide



Our leader



Vikas Kumar Mittal
Founder Director

Vikas Kumar Mittal is the founder director of Nova Formworks Pvt. Ltd. A second generation entrepreneur, he is associated with the plastic manufacturing domain for the last 20 years. Post his joining the family business started by his father in 1976, Vikas rose the ranks in the company, from overseeing manufacturing in factory, to reshuffling company operations, and finally focusing on product development.

It was Vikas's vision coupled with insights he gained from working on the grounds, which led to the company's foray into plastic moulded furniture in 1999. His decisive leadership, deep product understanding and foresight resulted in the company growing manifold over the next few years. Vikas spearheaded the manufacturing of many innovative products that were not only user-friendly but also time and energy saving. A responsible businessman, Vikas was amongst the first generation of visionary entrepreneurs who consciously worked towards a greener technology.

His passion for product innovation and aptitude for preempting the future directives in the market led to the introduction of plastic corrugated sheets in advertisement and packaging industry. A serial innovator, Vikas dedicated the next half-a-decade to research and development and in 2011, he launched Nova plastic formwork system – a timely innovation when the construction industry was increasingly looking out for lightweight, durable and cost effective formwork solutions over traditional timber and aluminium formworks. Under his leadership, Nova Formwork became a brand name to reckon with. Today, Nova Formwork works with leading construction majors in India and abroad on 1000 Cr. projects. It was Vikas's exemplary attitude and forward looking mindset that made such feats possible.

At a personal level, Vikas Mittal is a man of strong values and integrity. He believes in giving back to the society and regularly contributes to various charitable trusts. He is also actively associated with Round Table India, an NGO that builds schools for the underprivileged sections of society. Vikas aspires to make the world a better place and is ready to do his share for the same.

Vikas is currently focused on realizing his mission of having Nova's footprints across India, and at least 30 other countries by 2025.

About Nova Formwork

Nova Formwork is a leading plastic formwork manufacturing brand in India, specializing in lightweight, durable and cost-effective formworks. The brand manufactures highly resilient formwork products from its 75000 Sq ft state-of-the-art manufacturing facilities each located in Ghaziabad and Delhi, India. Nova, which comes from the house of Wonder Moldplast, was launched in 2004 as a manufacturer, exporter, and supplier of plastic products. The parent company has a rich legacy of 40 years of manufacturing plastic products. Nova is the latest offering to cater to the sophisticated demands of the new age construction sector. Nova being one of the first plastic formwork manufacturers in India, we have been ahead of our times with innovations, leading from the front. The company in the last decade has earned distinction for pioneering many upgrades in the product category and has cemented its equity in the construction sector.

Nova is a preferred partner of choice for some of the leading construction players such as L&T, Shapoorji Pallonji JMC, Tata Projects and Ahluwalia Contract India Ltd amongst others, where the company has collaborated on projects to the tune of 100 Cr. and up to 2000 Cr. Nova's supply size for such projects ranges anywhere between 50 lac to 12 Cr.

The mainstay products of Nova Formworks are broadly divided into three categories: Nova Plasform, Nova Alplas and Nova Aluform. These categories find application in high rise construction projects where alternative to full aluminium formworks are required, or catering to vertical and horizontal application seeking lightweight solutions for walls, slabs, box culvert, columns & beams as well as formwork made from a combination of plastic and aluminium suitable for monolithic constructions.

Other than these, Nova also manufactures superior quality plastic products such as plastic raw material, plastic chairs, plastic sheets used in construction, floor guard or tile protection sheets, DWC Pipes and advertisement boards, master batches and compounds as well as cable channel or cable trays for railways.

The high quality portfolio of wide ranging products has facilitated brand Nova to expand into global markets such as Africa, Jordan, Dubai, Doha, Sri Lanka and UK, where our plastic products are exported.

Our objective has always been to come up with innovative products to assist the construction sector with effective tools that enhance efficiency and save cost. The brand Nova is embedded with this ethos. With the global formwork market size expected to grow to USD 6.12 billion by 2024, opportunities are abound and we are only poised to grow further from here. We are Nova Formworks.



Vision

We assist in shaping foundations worldwide.



Mission

To establish our footprints across India and 30 other countries by 2025.



Values

Quality:

We are committed in providing the best quality products to our customers.

Innovation:

We always strive to bring in innovations in the market.

People:

We are people-oriented and believe that good relationships enhance productivity and service.

Trust:

We have built our organization on trust and we will flourish and grow with it.

Integrity:

We are always ethical in our internal and external transactions in business.



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