



Aluminium Formwork Private Limited



www.srrformwork.com





Why SRR Aluminium Formwork

SRR Aluminium Formwork in construction projects can yield a significant return on investment (ROI) for real estate developers and builders. Ensuring consistency, reliability, and Durability and suitable for all types of constructions like Residential buildings, Commercial structures, Industrial buildings, Infrastructure projects, High-rise buildings, Tunnels, and Bridges. Not only that but this system including quicker construction time, reduced labour costs, improved quality of construction, minimal wastage, and reduced maintenance costs.

OUR VALUES :

Our success is based on strong values. These same values will also guide our future activities. Our firm's values serve as the guiding pillars that underpin its operations and interactions. Our Firm is firmly rooted in a set of core values that shape our identity and guide our actions. Safety is paramount in all we do, with an unwavering commitment to ensuring the well-being of our workers, clients, and the communities we serve. We hold ourselves to the highest standards of Quality Excellence, dedicating ourselves to delivering formwork solutions that not only meet industry benchmarks but exceed the expectations of our clients.



Key Features and Benefits:

Faster construction:

Aluminum formwork allows for faster construction cycles, with this systems achieving floor-to-floor completion with in a week. Assembly and disassembly are faster with aluminium formwork.

Lightweight and Easy to Handle:

Aluminium panels are significantly lighter than steel or timber formwork, making them easier to move and assemble, reducing labour requirements. And reducing transportation cost.

Durable and reliable:

Aluminium is almost as strong as steel. Unlike timber, it doesn't absorb moisture that can cause the material to warp, rot and swell. Because an aluminium formwork system is made from highly durable and reliable material, it can easily resist high concrete pressures. The reduced number of joints also minimises the risk of leaks while increasing durability.

Reusable:

Aluminium formwork can be used multiple times, reducing waste and lowering overall project costs. With some systems Aluminium Formwork can use up to 200 repetitions.

High Precision and Accuracy:

The precision-engineered panels ensure accurate concrete shaping and a clean finish.

Reduced Waste:

Aluminium formwork minimizes material waste compared to traditional methods, promoting sustainability.

Versatility:

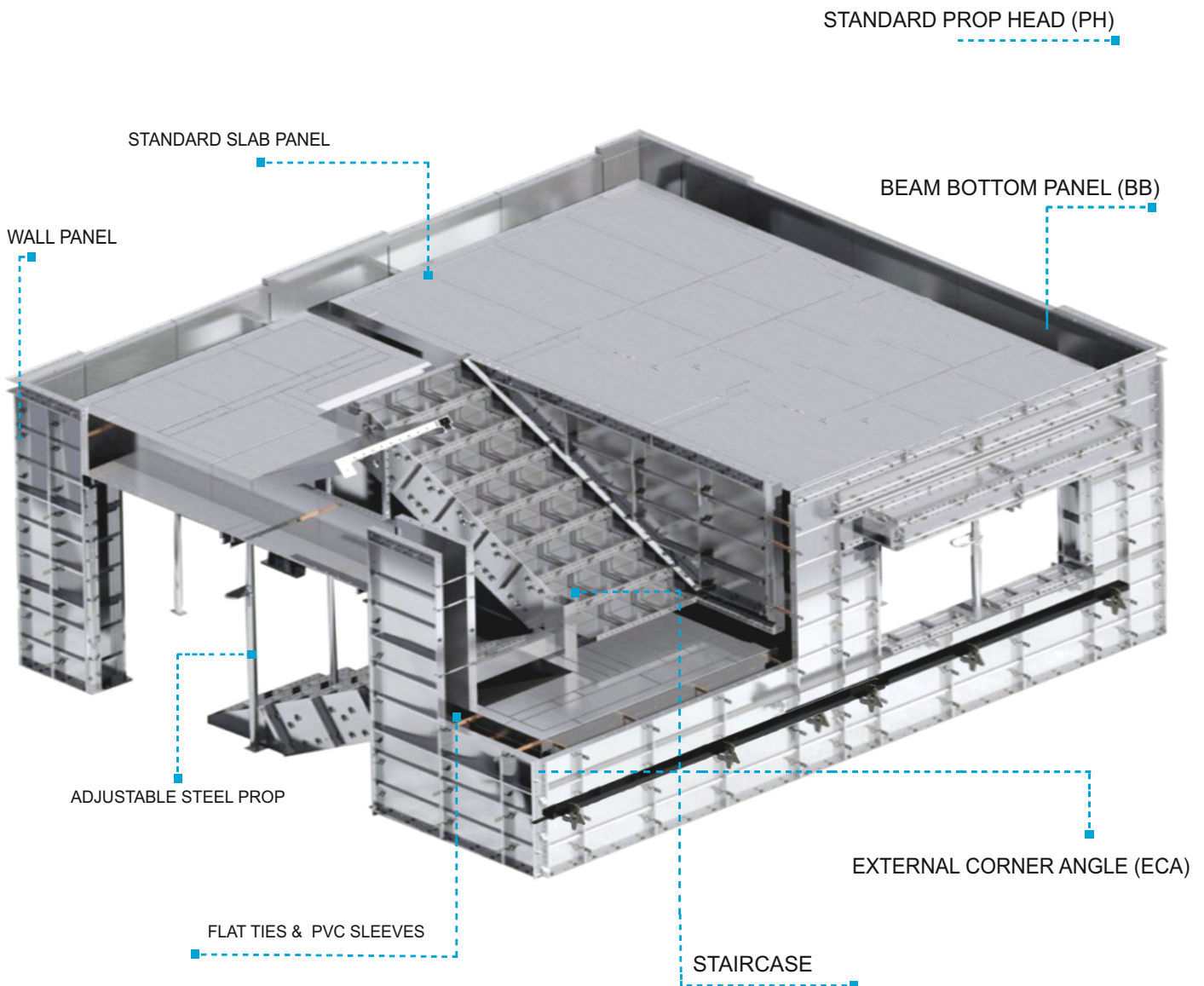
Aluminium formwork can be adapted to various architectural designs, from simple residential structures to complex commercial buildings.

Cost-effectiveness:

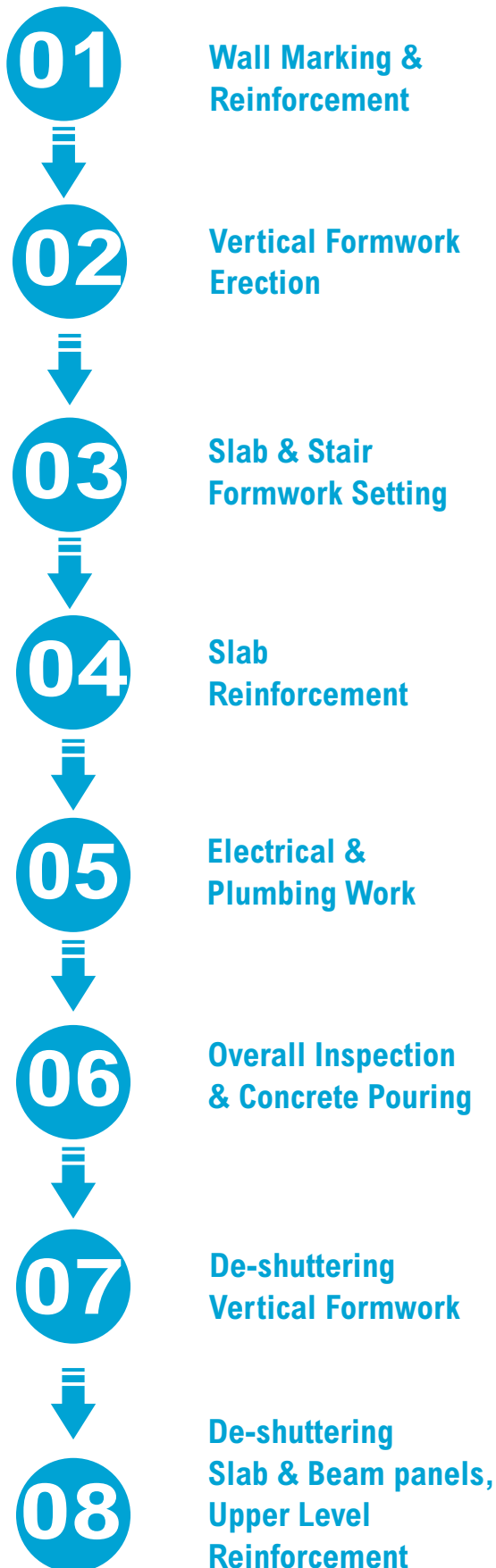
While the initial cost may be higher, the reusability and reduced labor requirements of aluminium formwork can lead to long-term savings.

The aluminum formwork is made by extruding the special equipment. With a complete set of universal accessories, it can be assembled to form a complete overall formwork with different dimensions and complex dimensions, and a system template for assembly and industrial construction, which solves the defects of the traditional formwork in the past and greatly improves the construction efficiency. The design, development and application of aluminum formwork is a major development in the construction industry.

construction site has less waste and the supporting system is simple. Aluminium Formwork Accessories can be reused. After the construction is demolished.



8 DAYS CONSTRUCTION CYCLE



PREPARATION BEFORE INSTALLATION

- The Set up lines are drawn according to the structural drawing
- Check and assess all formwork system's components
- Intensive cleaning of concrete residues if panels and accessories are used for the previous projects
- Panels must be applied with sufficient form oil
- Safety and installation brief need to be conducted for the site team

PRE-CHECK BEFORE CASTING OF CONCRETE

- Countercheck the position of the walls and columns with the set up marking
- Vertical and horizontal level of wall and slab must be checked
- Ensuring pins, wedges and ties are properly tightened
- Confirm the opening dimensions
- Inspect the height of all support
- Adequate bracing to ensure stability

MONITOR DURING CASTING

- Concrete pouring is distributed throughout all wall sections before commencing to cast slab areas
- Monitor cement slurry leakage
- Immediately remove/clean all excess concrete that is stuck on the back of formwork



PROPERTIES

SRR ALUMINIUM FORMWORK SYSTEM

The most important aspect of a successful structural construction is the formwork system SRR will always offer you the most trustworthy, secure, efficient and cutting edge of formwork system technology available in the market.

Material	Specification
Aluminium Extrusion Grade	T6-6061
Raw Material Source	HINDALCO, JINDAL, GALCO, NATIONAL ALUMINIUM
Welding Wire Grade (Aluminium)	ER-4043
Composition	Inner / outer wall panel and Corner panel
	Slab Panel with support
	Inner / Outer slab corner with beam panel
Alloy Temper	Temper T6
Material Type	Complete Extrusion
Standard Panel Width	50mm - 600mm
Side Rail width	65 mm
Panel Height	Standard panel - 2400 mm 2050mm (Plus Rocker Height 50mm)
	Slab panel - 1200 x 600mm
Welding	Friction Welding, Mig Welding
Hole Pattern	50@50
Thickness of Panel	3.8 to 4mm thick for contact surface area & 8mm for side rail
Standard Props	Adjustable Steel Props
Reusable Quantity For Next Projects.	75%-80%
Repetition	Up to 200 Times (with Proper care at Site..)
Speed Of Work	18 -20 sqm per man in a day
Lacquer Coating	Poly Urethane Acrylic With 25-30 Micron Thk..
Width Platform Bracket	1000mm
No. of pin & Wedges designed per sqm	10 to 12 Pairs Based On Design Of Structure
No's of Wall ties	minimum 4 no's / sqm
Levels Of Platform Bracket	2 Levels

FORMWORK COMPONENTS



STANDARD WALL PANEL forms the face of the wall and stiffeners of wall panel are designed such a way that a worker can easily lift and handle. There is no mid-welding in a standard wall panel width.

Item Description	Dimension
Standard Wall Panel	600mm x 2400mm (H)*
	450mm x 2400mm (H)*
	200mm x 2400mm (H)*
	175mm x 2400mm(H)*

* Height(H)* of the Wall Panel depends on design requirement. It will either be the Standard Wall Panel Height or a Single Wall Panel Height.

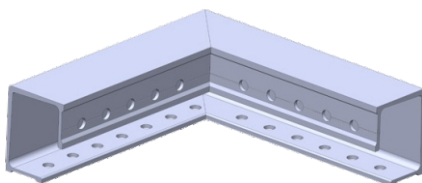


STANDARD WALL IN-CORNER PANEL

Connects two panels and covers a scalloped edge space, where the two panels meet.

Item Description	Dimension
Standard Wall In-Corner Panel	(100+100)mm x 2450mm
	(100+125) mm x 2450mm
	(100+150) mm x 2450mm
	(100+175) mm x 2450mm

* Size (LXB)* of the IN-Corner Panel Depends on Design requirement.



Dependent upon each Structure

SLAB IN CORNER

Connection between Wall Panel & Slab Panel (Inside)



Dependent upon each Structure

SLAB OUT CORNER

Connection between Wall Panel & Slab Panel (outside)

SLAB COMPONENTS



STANDARD SLAB PANEL sustain the weight of concrete while pouring and provide a horizontal surface for casting to form slab. It rests in between two adjacent slab beams.

Item Description	Dimension
Standard Slab Panel	600 mm x 1200 mm
	450 mm x 1200 mm
	200 mm x 1200 mm
	175 mm x 1200 mm



SLAB LENGTH is used to sustain the weight of concrete while pouring and casting jobs to form slab. It is used to connect wall and slab panel.

Item Description	Dimension
Slab Length	(125mm+100mm) x (L)*
	(150mm+150mm) x (L)*
	(125mm+75mm) x (L)*

* Length (L) of slab length depends on design requirement.



Size 150 x 300

PROP HEAD (PH)

Used to joint the beams together (middle beam and/ or End beam), the pipe support will be placed under the prop head



Size 150 x 900 | 150 x 1050

MIDDLE BEAM (MB)

Used to joint the prop heads, the middle beam supports the slab panels



Size 150 x 600 | 150 x 900 | 150 x 1050

END BEAM (EB)

Used to joint the proper head and slab corner, the end beam supports the slab panels



Dependent upon each structure

SPECIAL PROP HEAD

Used to joint the beams together (Middle beam and / or End beam), This special prop head will be placed where a normal prop head cannot be installed



PIPE SUPPORT



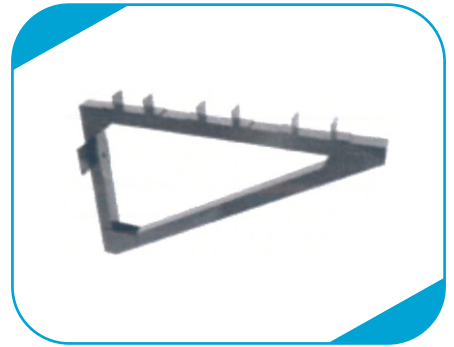
FORMWORK COMPONENTS



WALL PLATFORM



SLAB PLATFORM



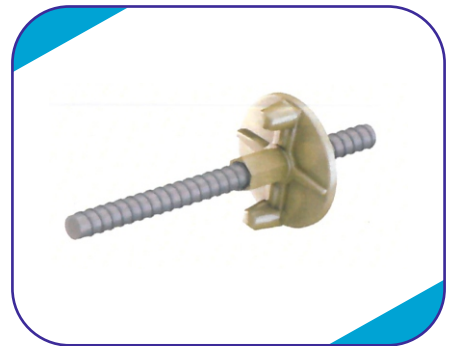
ELEVATOR PLATFORM



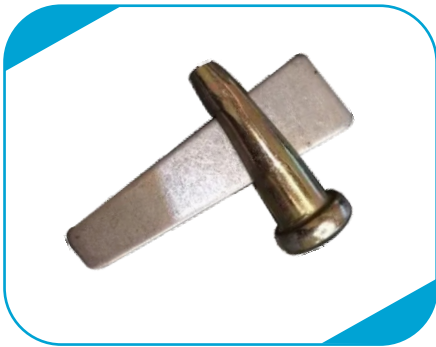
WALL-BRACKET &
SQUARE PIPE



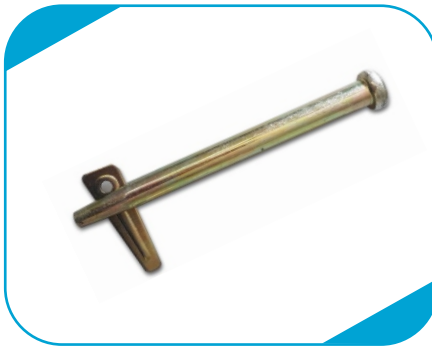
BOLT, NUT & WASHER



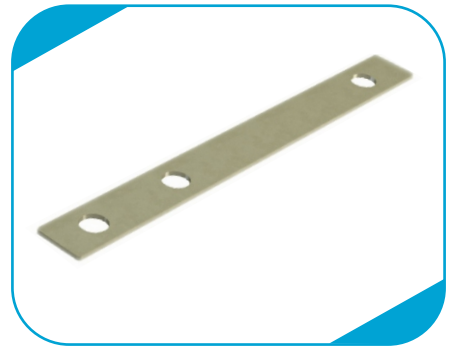
TIE ROD



WEDGE & ROUND PIN



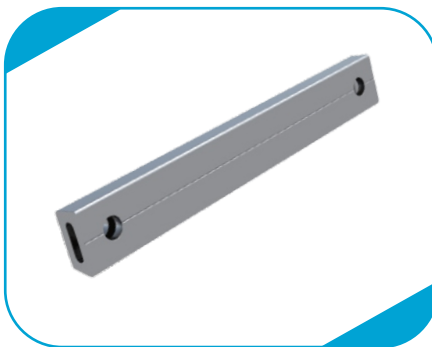
LONG PIN



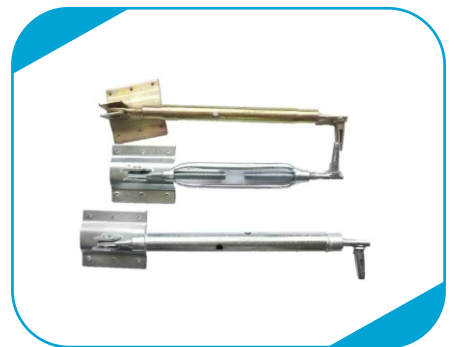
FLAT TIE



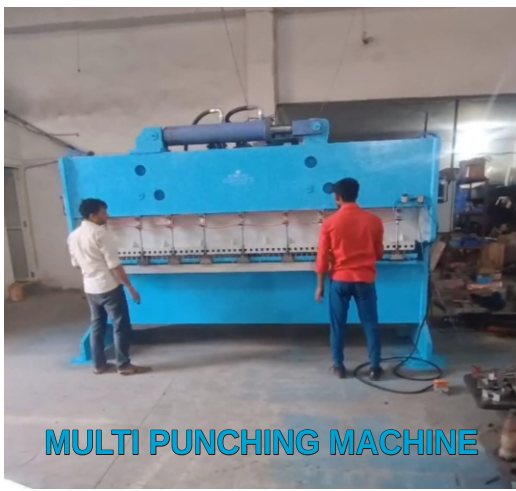
PVC SLEEVE



JOINT BAR



ADJUSTABLE CLAMPS



MULTI PUNCHING MACHINE



SHARING MACHINE



PRESSING MACHINE



PRESSING MACHINE



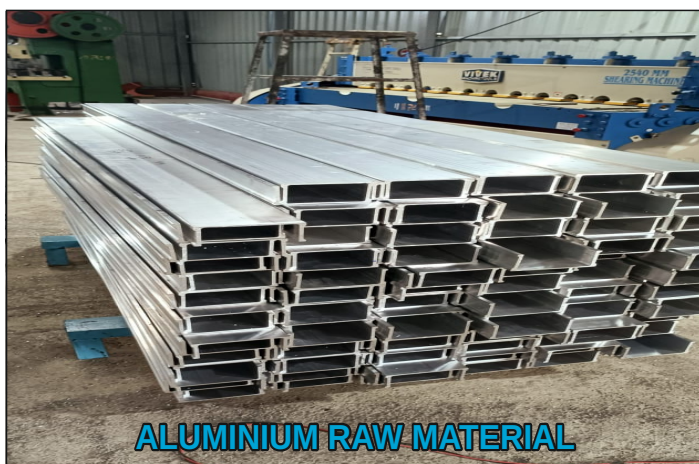
BUFFING MACHINE



ALUMINIUM RAW MATERIAL



FRICTION MACHINE



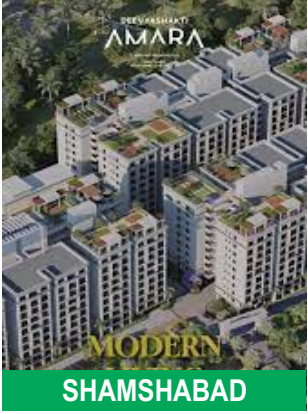
ALUMINIUM RAW MATERIAL



ALUMINIUM FORMWORK MATERIAL



Nirvi shikhara Infra Pvt. Ltd. Warangal





SRI RAJARAJESHWARA

Aluminium Formwork Private Limited

Sy.No. 435/2, Babaguda X Road
Bomraspet, Shamirpet,
Hyderabad - 500 078
Medchal-Malkajgiri Dist.
Telangana State

Contact Number:

9063199421 / 9063199422

9063199425 / 9063199426

Email: srraluminiumformworks@gmail.com

Website: www.srrformwork.com