



SHREE OM
ENGINEERING



MANUFACTURER OF
SCAFFOLDING & RENTAL PRODUCTS

www.shreeomengineering.com



We initiated our Journey by gathering and integration our values, our mission, our expertise, our strengths, our experience, our ethics and our beliefs into company known as **Shree Om Engineering**. We are a young emerging company comprising of highly dedicated and phenomenal workforce. Though new, but if unearthed the back roots - our team has always encompassed the excellence and quality of technology in manufacturing lightweight engineering goods for more than past two decades. We gear our product policy constantly to meet the standards set out by our customers and build lasting relationships with them. **Shree Om Engineering** beats to manufacture Scaffold Fittings as per (BS-1139 & DIN-18216 Std.), which accumulates the structural, technical and mechanical applications.

For Scaffolding products we give preference towards quality, reliability, customer satisfaction and fair practices. Products like scaffolding are used in construction industries mainly. It's a kind of a high platform which is constructed high above land so that construction workers can perform their job works easily without the risk of falling down from heights. Fabricated by employing latest automated machineries and certified scaffolding products are highly durable.

It is imperative that logistics and sticking with stringent delivery schedules are also important to facilitate timely available of necessary equipment in construction sites. Our constant efforts towards innovations and modernize of our facilities makes us more qualitative and the same time more competitive in the domestic market scenario.

THE KEY CORE VALUES TO MEET YOUR SATISFACTION:

- ⇒ Quality assured product range
- ⇒ Modern infra-structural base
- ⇒ Large distribution network
- ⇒ Cost-effective prices
- ⇒ Vast industry experience
- ⇒ Timely delivery
- ⇒ Client centric approach
- ⇒ Challenge oriented team





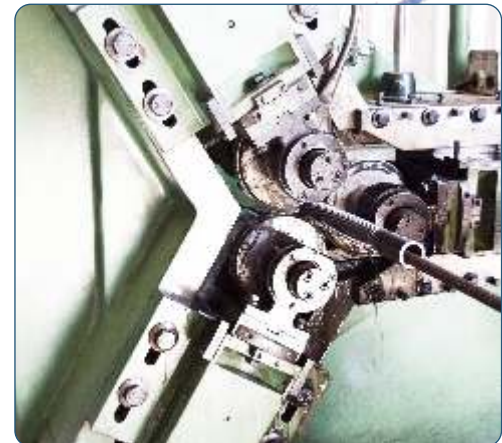
Vision

With a vision to develop "SERVICE AND PERFORMANCE", we follow efficient business operations and ethical business policies. Through our highly qualified and experienced sales executives, we offer superior quality, reliable and durable products. Our aim is to work with our clients, embracing their Scaffold Manpower, Material, Access needs to produce scaffolding services that facilitate successful project completion on time in a cost effective manner without compromising on quality, safety and the environment.

Apart from this, Shree Om Engineering is also a reliable RENTAL SERVICE PROVIDER engaged in offering effective SCAFFOLDING RENTAL SERVICES.

We at Shree Om Engineering committed to providing superior products and service to our customers by ensuring the highest standard of ethic and integrity through all our actions to maintain full customer satisfaction on a continual basis. We strive to continuously improve and update our process and systems to stay in tune with the modern technology.

Mision





Generally timber and plywood is used in making shuttering material. Point of notice is that the wood must be strong and low weighted. Timber is a type of wood which has been processed into beams and columns. Timbers are used for the structural purpose. Those woods which are adapted for building purposes are timbers. Finished timber is supplied in standard sizes for the industry.





SHREE OM ENGINEERING

OUR PRODUCTS



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The cuplock scaffolding system is a widely used scaffolding system all over the world. Because of its unique locking mechanism, it is an easy to set up system that is fast and economical, therefore so popular. It is a fully galvanized multi-purpose steel scaffold system suitable for providing general access and supporting vertical loads. Shree Om Engineering is one of the leading manufacturer & Provide rental services of cuplock system.

Structure Details:

The Cuplock scaffolding system has proven itself to be the fastest of all. Because it is so easy and simple to set up, it saves a lot of time and money. This makes it a popular choice among builders and contractors who are always looking to minimize costs and save time. Compared to tube and fittings, Cuplock is known to have saved time by around 30 to 50%.

Cuplock is a flexible and adaptable scaffolding system that can be used to make a wide variety of structures which serve useful for construction, refurbishment or maintenance. These structures include facade scaffolds, birdcage structures, loading bays, curved structures, staircases, shoring structures, and mobile towers. Hop-up brackets let workers easily install work platforms at a half meter increment below or above the main deck that gives finishing trades – such as painting, flooring, plastering – flexible and easy access without disrupting the main scaffold.

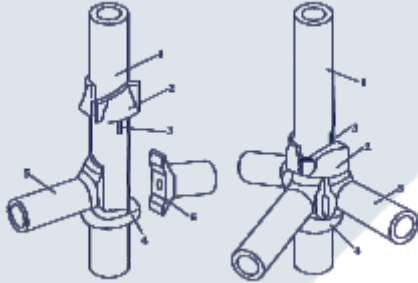
Basically It Contains two types of structural method: Horizontal / Ledger Cuplock System & Vertical / Standard Cuplock System. The Basic unit of a cup lock scaffolding system consists of four horizontal elements which are fixed at a point along the vertical element. The same element which are part of the system can be used to create suitable solution for the purpose of assembling a stair tower, due to the high load bearing capacity associated with the system.

The Vertical Elements in the system are equipped with locking kits, which are welded on to them at intervals of 500 mm or 1000 mm. This offers an economical and practical solution for projects which have level difference at the ground or at the deck. The locking kit consists of bottom and top cups. Where bottom cup is welded onto the vertical element and the Top cup or the upper cup is moveable along the length of the vertical element.

CUPLOCK SYSTEM

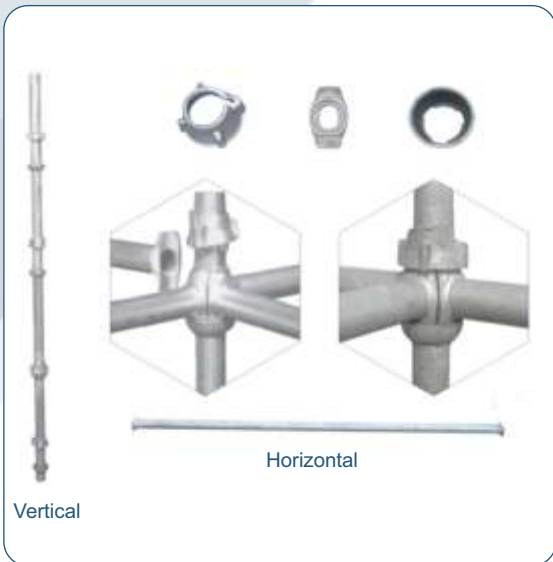
With the mobility of the upper cup comes the responsibility of ensuring that it is not removed from the vertical element completely, owing to the structural difficulties that could occur due to the misplacement of the same. The heads of the horizontal elements, which are structured out of the both end of an elements. With the help of hammer, the upper cup can be rotated in the clockwise direction and the head of the horizontal element is squeezed rigidly between the upper and lower cups.

1. Vertical Bar
2. Top Cuplock
3. Locating Dowel Pin
4. Bottom Cuplock
5. Cross Bar
6. Cross Bar Joint



Cuplock Standard / vertical:

These are vertical tubes that use lower fixed cups at half a meter intervals with rotating cups on the top. These can firmly hold together up to four components. Verticals come with and without spigots, adding to the flexibility of Cuplock scaffolding system. Verticals without spigots weigh lighter than the one with spigots. The Cuplock Standard / Vertical are manufactured from 48 mm OD MS Round Pipe, provided in various sizes with Cup Joints welded at 500 mm Intervals. The top cups are made from Malleable casting to endure rough site handling, and welded bottom cups are pressed from High Quality Steel.



SIZE IN METER	APPROXIMATE WEIGHT
Vertical 1.00 Mtr - 2 Cuplock	4.70 Kgs.
Vertical 1.50 Mtr - 3 Cuplock	6.80 Kgs.
Vertical 2.00 Mtr - 4 Cuplock	9.00 Kgs.
Vertical 2.50 Mtr - 5 Cuplock	11.50 Kgs.
Vertical 3.00 Mtr - 6 Cuplock	13.65 Kg

Cuplock Ledger / Horizontal:

Cuplock horizontals include ledgers and transoms, are also made of 40 mm NB tubes, and are so robust that they require zero maintenance. Horizontal tubes have forged blade ends that allows simple and quick assembly. The blade ends of the horizontals fit into the cup of the vertical tube, ensuring a strong assembly. Normal horizontals can also serve as guard-railings in a staircase tower. Ms round pipes is used of 48.00 mm OD and 3 mm Thickness. Minimum projection of blades avoids damages in handling and uniform dimension makes the cup joints rigid.

SIZE IN METER	APPROXIMATE WEIGHT
Horizontal 0.500 Mtr	2.00 Kgs.
Horizontal 1.000 Mtr	3.75 Kgs.
Horizontal 1.500 Mtr	5.46 Kgs.
Horizontal 2.000 Mtr	7.15 Kgs.
Horizontal 2.500 Mtr	8.50 Kgs.





Telescopic Prop are most ideal and economical method of support for all kind of formwork to slab, Beams, Walls and Column. Made out of 40 NB & 50 NB MS tubes conforming to IS 1161/1239. Their ability to adjust to wide range of height variation, have and them indispensable to construction industry. These are the crucial components that can be used for the purpose of all types of building construction projects. These act as adjustable load bearing supports which especially find usage in withstanding vertical loads or as wall braces. These are also known as Adjustable Props, Scaffolding Jacks, Shoring Props, Post Shore Props, Formwork Props, and Pipe Support. Heavy duty, light Duty and Normal Duty Props are other forms of this type of arrangement.

SPECIFICATIONS:

- ⇒ Outer Members are made of 60 mm OD Round Pipe
- ⇒ Inner Members are made of 48 mm OD Round Pipe
- ⇒ Top and Bottom Plates are made of 150x150x6 mm Plates
- ⇒ Heavy Duty Malleable Cast Iron Prop Nuts provide the Facility for Fine adjustment
- ⇒ "G" Pin made of high tensile strength also provides facility for fine adjustment.

FEATURES:

- ⇒ Props eliminates cost of skilled labour and timber wastage.
- ⇒ Props are adjustable to various height requirement.
- ⇒ Quickly and early erected by unskilled Labour.
- ⇒ Prop are easy to Handle and can be used time and time again.
- ⇒ Compact design for economical transportation and storage.
- ⇒ No loose parts to be lost or mislaid.
- ⇒ No more lost pins and broken claims.





SIZES OF MS STEEL PROP

Outer	Inner	Weight	Outer	Inner	Weight
1.50 mtr x 1.50 mtr		14.20 kg	2.00 mtr x 3.00 mtr		21.25 kg
2.00 mtr x 2.00 mtr		18.00 kg	2.50 mtr x 2.50 mtr		21.80 kg
2.00 mtr x 2.50 mtr		19.60 kg	2.50 mtr x 3.00 mtr		23.40 kg



PROP SLEEVE

These type of Sleeves are used in MS Steel Props. The Prop Sleeves are used in this case are Roll Threaded, which give extra strength to the pipe. These sleeves are also enhancing with the use of electroplating using a high grade material, which enables it to have higher resistance.



PROP NUT (HEAVY DUTY)

Prop nut is a part of MS Steel Prop. It fits on prop sleeve and use to adjust the height of inner up to 300 mm. To Move the nut easily on threaded Sleeve, one handle is provided on it.



PROPE 'G' LOCK

The Prop G Lock is an accessory that is used in MS Props. The main material used to make this G lock is Low Carbon Steel. It is used to lock the inner members on the basis of adjusted heights.



Hollow Pipe Jack	
Size	Weight
230 mm	1.850 Kg
350 mm	2.300 Kg
450 mm	2.600 Kg
600 mm	3.200 Kg

MS Solid Road	
Size	Weight
300 mm	2.650 Kg
350 mm	2.850 Kg
450 mm	3.500 Kg
600 mm	4.350 Kg

Adjustable U head and U jack are specially designed for levelling scaffolding, fast and accurate. Onsite installation is provided by a combination of coarse and fine adjustment up to maximum of 550 mm and can be customized. Adjustable Jack Stirrup head is used at the top of the vertical Cuplock standard in order to provide an additional maximum adjustment of length up to 300 – 600 mm. The main application of U-Jacks is to hold MS Beams and channel in places, upon which the shuttering plates are placed during the construction. The U-Jacks Are Manufactured using the roll threading process, which increases safety and enables them to have a load bearing capacity of up to 4 Tones.

FEATURES:

- Easy mobility
- High efficiency
- Heavy in weight
- Longer service life
- Flawless make
- High material strength
- Corrosion resistant
- Accurate dimension



It has a solid stem of 35mm nominal diameter which has a nut restraint to ensure the stem always has a minimum engagement into the Standard of 150mm. The U-Head is capable of accepting twin 100mm. wide bearers



Adjustable base plates with sturdy and self-cleaning round threads, with color and notch markings to provide protection against over winding. Swiveling base plates useful for uneven surfaces. Base jacks are located in the bottom of the Cuplock standards (vertical), they provide adjustment for variations in ground levels, and they have a safe working load of approx. 4 tons each

SPECIFICATION:

- Hollow Pipe of OD 38 mm and Solid rod OD 32 mm
- The jack nut of SG Iron Casting
- Base plate size: 150x150x6 mm

SPIGOT PIN / JOINT PIN

The Spigot Pin is used in Cuplock system. It is made out of 250/300 mm long round pipe of Outer Dia. 38 mm. Spigot is connecting internally and to allow ease of joining. Though Small in size, they are important part of scaffolding network as the alone are able to support structure up to multi-storeyed.

SPECIFICATION:

- Diameter : 38 OD
- Finishing : Polished
- Brand Name : Shree Om Engineering
- Application : Jointing
- Material : Mild Steel
- Thickness : 0-5mm
- Certification : ISI Certified
- Size : 250 - 300 Mm





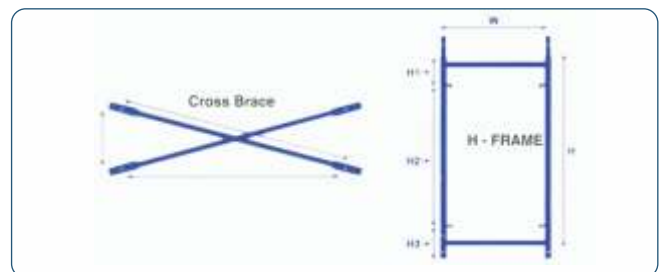
Consists of rigid welded frames of two verticals and two horizontals. The frames are interconnected by scissor cross braces in all bays or alternate bays (for top 20 Meters) of scaffolding through pins welded on frames and locked in position by spring clips. Shree Om engineering provides Most Popular scaffolding frame Set / H Frame use in Plastering, Masonry, and General Construction. This type of Scaffolding system is used whenever the situation arises where large Heights are to be scaled. The H-Frames are created in the Safeway style, which makes them compatible with fame scaffolding as well. This frames are manufactured from the highest quality MS Pipes.

H-Frames consist of welded frames with Outer Diameter 48 mm Vertical Pipes, which are braced together with Scissor type braces that are secured by bolts. The H-Frames are essentially parts of a larger system, which is bound together by components known as Modules. One module within this system consists of two H-Frame and two diagonals. An Entire H-Frames system consist of one horizontal connection and four cross bracings. The entire system covers an area of 1.8 Metre.

Cross Bracing:

In construction, cross bracing is a system utilized to reinforce building structures in which diagonal supports intersect. Cross bracing is usually seen with two diagonal supports placed in an X-shaped manner. Cross Bracings are crucial for the H-Frames as they can add immense strength and stability for these systems, especially when placed at distances of 2.5, 2.0, 1.5 and 1.0 meter. The cross bracings can also be customized according to the height which needs to be scaled. Using the cross bracings as a part of the H-Frames is especially useful as far as utilizing them for the purpose of support staging and access scaffolding is concerned.

Sizes in mm: 30 x 30 x 4 | 34 x 34 x 4 | 37 x 37 x 3



SIZES OF "H" FRAMES	
SIZE (H X W)	WEIGHT
1.50 x 1.00 mtr.	20.00 kg / Nos.
1.50 x 1.25 mtr.	21.50 kg. / Nos.
2.00 x 1.00 mtr.	24.00 kg. / Nos.
2.00 x 1.25 mtr.	25.50 kg / Nos.



Having exceptionally high load bearing capacity for its low weight. Completely eliminates intermediate propping to support shuttering plate. Hence, reducing maintenance cost as well as time for easy erection. Adjustable Telescopic Spans are easy method for slab supporting most economical and convenient product. It is ideal to be used as self-supporting runner in shuttering systems. Moreover, Adjustable beam spans are installed under shuttering plats or floor from panels. Adjustable telescopic span is made out of 2 mm Thick MS Sheet with support of $\varnothing 10$ mm Bar and 40x40x5 mm MS T. The perfect Adjustable Telescopic spans are manufactured using high quality machines and well equipped testing equipment installed in our workshop.

Acro span have a standardized size i.e.

2.35 x 3.45 mtrs., 2.4 x 4.1 mtrs., 2.5 x 2.5 mtrs.

FEATURE:

- Portable.
- Highly Accurate and precise.
- Easy handling.
- Installation is easy.
- High load bearing capacity.
- Used for supporting beam bottoms and cantering sheet.
- The adjustable span is assembled with an outer sliding and one inner sliding, in order to provide variable lengths to the span and lock in different positions.
- A self-cleaning device on the collar nut automatically clears the thread of concrete and dirt where the nut is rotated thus assuring quick and easy adjustment.
- Spans are considered an integral structural construction scaffolding components of a construction scaffold and provide support to the entire structure.
- As per the need they can be adjusted and are extensively used to support floor forms during lying of slabs.

BOX TYPE MINI SPAN:

Box type mini Span is alternative method of telescopic span for slab supporting. It is made of MS Square pipe 65x65 mm 72x72 mm.

Available Size: 2 x 2 mtrs., - 26 Kg | 2 x 2.5 mtrs. - 29 Kgs.



Shuttering Plates are one of the core elements which are used for supporting building construction slabs, canopies, beams, lintels for RCC construction work. These plates provide a much needed alternative for wooden plates, as they are manufactured using non corrosive and durable materials. Shree Om Engineering is a Manufacturer and supplier of Shuttering Plates. Shuttering plates are fabricated from 3.00 / 2.5 mm Thickness MS Sheets and 25/30/35 x 4/5 mm thickness MS Angle. As per the requirements and preferences of the clients, Sizes can be customized and adjusted. Even the shapes can be changed in order to fulfil specific requirements for the Clients. Shree Om Engineering is a Manufacturer and supplier of Shuttering Plates of two types:

WELDED SHUTTERING PLATE	
Size (in Inch)	Weight (in Kg)
900 mm x 0.9	8
900 mm x 1.0	10
900 mm x 1.3	11
900 mm x 1.6	12
900 mm x 2.0	16

RIVETED SHUTTERING PLATE	
Size (in Inch)	Weight (in Kg)
3 X 0.9	6
3 X 1.0	7
3 X 1.3	8
3 X 1.6	10
3 X 2.0	12.5





Acro Plates are mainly manufactured by the heavy raw material such as sheet above 2.5 mm thick and angles size of 45x45x5 mm. The quality raw material being used is of ISI standard & of acceptable quality. The range of the Acro plate is available in ready stock, but with the specific specification of any bulk need, we can also be provided with a minimum delivery period. Punched angle frame provides the facility to adjust any plate. Acro Plates manufactured by our company is a well-accepted product in the Building construction field.

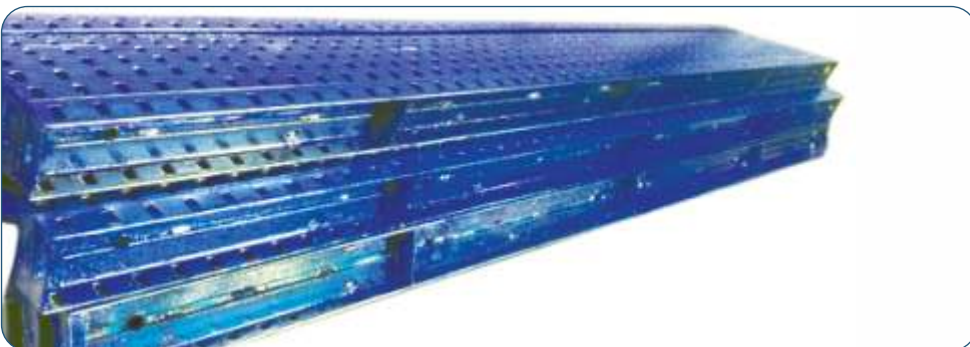
Walls:

Acro steel waler provides high accuracy for the panel alignment. Moreover, the slotted end eases the connection to the next panel using acro splice.

Acro Soldier:

The Soldiers are used for heavy duty concrete wall forming. The length of soldiers are 2.5 m & made up of 50X50X6 mm M S slotted angles & M S sheet of 3 mm to make them strong & tied together to form parallel faces. The panels are joined by wedge sets which are inserted through slots in the punched flat which forms the edge of the panel.

Material Grade: MS Sheet 4 mm Thick
Thickness: 4 mm MS Sheet



Size in (mm)	Weight in Kgs.
1250 x 200	14.30
1250 x 230	15.25
1250 x 300	19.00
1250 x 350	22.00
1250 x 400	24.00
1250 x 450	25.25
1250 x 500	27.00
1250 x 600	34.00
1250 x 750	40.00



Walkway planks are commonly used in Scaffolding and Access Systems in Real Estate, Infrastructure, and Industrial Projects. Scaffolding planks are also popularly known as Steel Plank/ Board, Metal Board/ Deck, Khapeda, Walkway Plank/ Board, Scaffolding Platform/ Deck/ Board, etc.

Jali use to make temporary platform with the help of cup lock standards & ledger for outer wall works like plaster, glass fitting etc. Usually such Walkways are made of 25 x 25 / 20x20 M.S. Square pipes and 20 NB Round pipes of varied thickness, based on client's requirements. It speeds up work in high areas by allowing more than one worker on the platform, and providing a place to handle materials

Here, our expertise lies in making these light-weighted planks fitted on non-slip operational surface. Further, the use of latest technology support on design and construction stages also assure of superior finish standards maintained on these pre galvanized steel.

Technical Specifications

2.5mtr Long X 0.3mtr Wide





Heavy duty girder / beam are used to support heavy structure. These are specially used for bridges, Canals, Box and Basement construction. It is made of I Beam Cross section for Strength.

ISMB Specification:

- 100 x 50 mm x 6 Mtr
- 125 x 65 mm x 6 Mtr
- 150 x 75 mm x 6 Mtr
- 200 x 100 mm x 6 Mtr



C-CHANNEL:

Horizontal support like spans, used in 100 x 50 mm size. it is a high strength product, Some of the salient features of these channels are Corrosion resistance, High Strength, Durability, Precise Dimensions & Stuediness.

Sizes:

- 100 x 50 mm x 6 mtr.
- 150 x 50 mm x 6 mtr.





MS Pipe are used for manufacturing various scaffolding products like MS Prop, Cuplock Vertical & Horizontal etc. It is also used to build scaffolding structures with couplers.

We have different size of MS Pipes.

- MS Round Pipe 38.00 mm OD
- MS Round Pipe 48.00 mm OD
- MS Round Pipe 60.00 mm OD



HEAVY DUTY BRIDGE CRIB:

Heavy duty bridge crib system is widely used as staging for heavy floors at higher altitudes and also serves as scaffolds on certain occasions. Each heavy duty tower has an unmatched capacity of 25 MT and is ideal for handling heavy loads at unusual heights. It also serves as Table Formwork in multi storied constructions and can be handled as single units up to a height of 5 mtr.

Heavy Duty bridge Crib are mainly used for staging purposes in the construction of flyovers, Buildings and Bridge - Tunnel form work, small & Big under Pass, Small & Big Culvert.

Angles used 50 x 50 x 5 mm size
 Height: 500mm, 1000mm, 1500mm & 2000mm
 Base: 450 x 450 mm

Additional supports of MS Angles can be provided, on the standing angles, as per the requirements of the customer.





PROP-NUT WITH HANDLE



JACK NUT



PROP SLEEVE



SINGLE CLIP



SPIGOT / JOINT PIN



WEDGE PIN



ANCHOR NUT



TIE ROD



JACK CUP NUT



CASTER WHEEL



GOGO CLAMP



GO GO MACHINE



FIX FORGING COUPLER - 40 NB



SWIVEL FORGING COUPLER - 40 NB



FIX PLATE COUPLER - 40 NB



SWIVEL PLATE COUPLER - 40 NB



SHREE OM ENGINEERING

📍 Ognaj circle, Nr Purohit Dhaba, opp. Vishvash Platinum, Ognaj Ring Road, Ahmedabad.

☎ +91 97124 84306 | 📞 +91 82007 30616

✉ info@shreeomengineering.com

🌐 www.shreeomengineering.com

