



**CORPORATE**

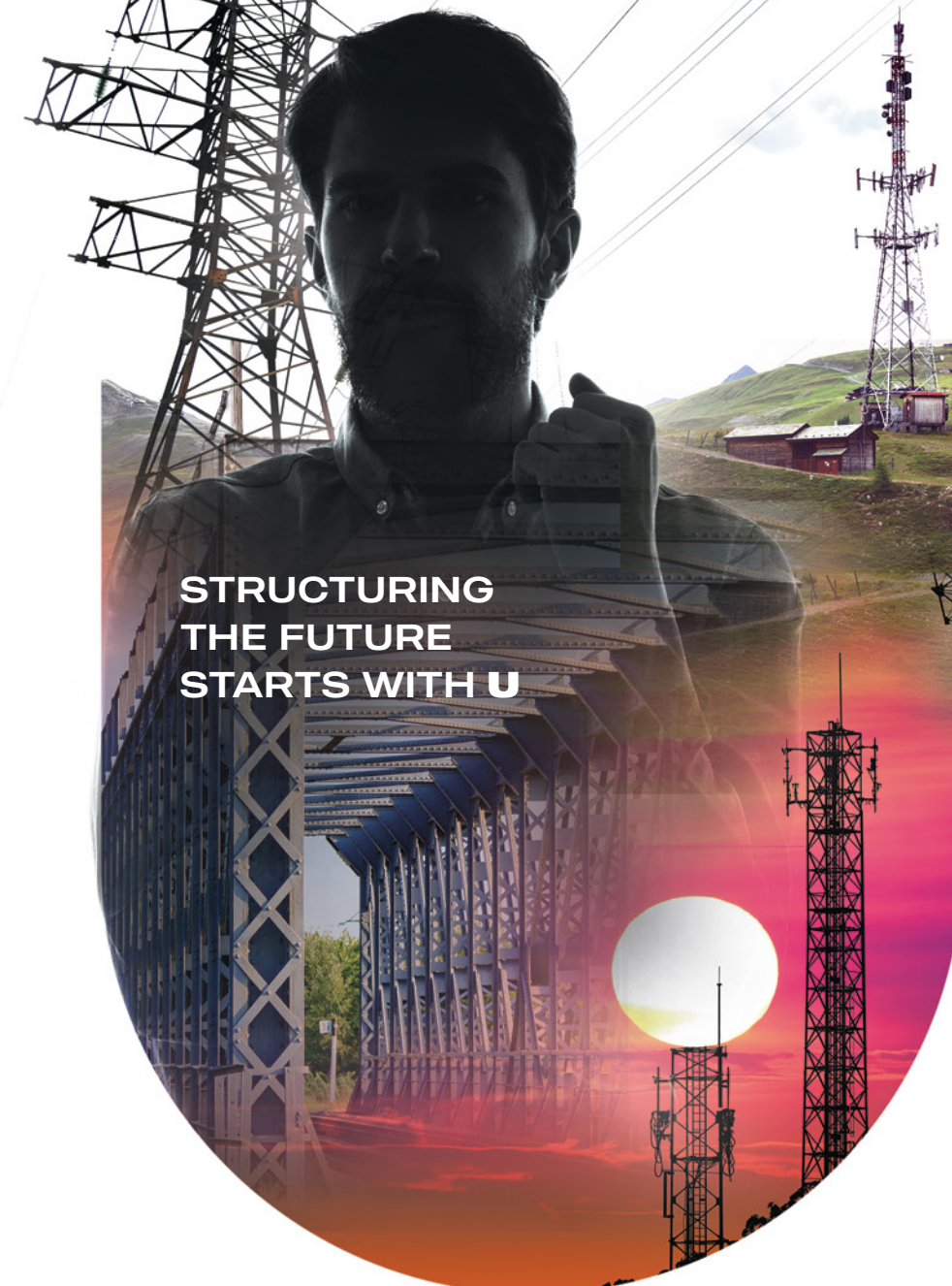
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**PLANT 2**

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Hooghly 712 303, India



**GALVANIZED  
STRUCTURES DIVISION**







# U Are Our Commitment

'Utkarsh', or excellence, is more than just our name; it is the passion that powers all we do.

In every product and service, our commitment is to deliver the highest quality to our customers. Our solutions are customized to best serve your specific requirements, and to meet global standards of quality, because the philosophy of 'customer is king', is the very foundation of our business. Which is why, you can always count on us to provide exactly what you need, on time, every time.

After all, Utkarsh always begins with U.



## What We Do For U

We are an ISO 9001:2015 certified organisation with annual turnover of over 2000 crore; a core engineering enterprise with over 40 years of expertise and excellence in steel fabrication, galvanization, plastic extrusion and moulding. We offer trusted one-stop solutions for all need-based applications, from design, engineering, rolling, forming to fabrication and galvanizing. Located at Gurap and Jangalpur in West Bengal, our world-class infrastructure and manufacturing facilities are spread over 30 lakh sqft, making us the preferred infrastructural partner in both public and private sectors, catering extensively to global and Indian client requirements.

With a highly skilled permanent and contractual workforce of over 4000, all our products are crafted with heart and perfection. Combined with our wide network of vendors, logistics services, raw material suppliers and capital goods suppliers, together we constantly strive to deliver nothing but the best to our clients.

## Our Promise To U

### MISSION

To deliver world-class products and services at competitive prices, through leading-edge solutions in technology and processes. To provide opportunities for inclusive growth to our employees by nurturing human resources. To share the pride of success with all our partners.

### VISION

To be the industry benchmark across all verticals, the preferred partner to our customers and stakeholders, by creating value and demonstrating high ethical standards.



# Globally Local For U

Our world-class products and stringent quality control have made Utkarsh a global choice today. Responding to growing demands, we serve clients in Germany, Belgium, UK, Lithuania, Poland, Northern Ireland, Australia, New Zealand, Canada, UAE, Qatar, Kuwait, Iraq, Reunion Islands, Madagascar, Malawi and Sri Lanka.

# Our Offerings For U

## BUSINESS VERTICALS

- Transmission Line Towers for electrification
- Telecom Towers for communication
- Water Tank Metal Structures
- Pre-Fabricated Building Structures
- Railway Electrification Structures
- Polygonal & Octagonal Poles
- High Mast Lighting Structures
- Steel Tubular Poles
- Metal Beam Crash Barriers
- Mild Steel and Galvanized Steel Pipes
- Polymer Pipes, Fittings, and accessories

# Why We're Right For U

Utkarsh India provides all infrastructural & manufacturing requirements under one roof.

- We have highly competent in-house design as well as research & development laboratories
- We host well-equipped, cutting-edge in-house testing facilities
- We have a sound financial standing to accomplish manufacturing target deadlines
- Our MOUs with leading National and International raw material manufacturers allow superior quality and easy procurement
- We are equipped with ample stock holding area for finished products as well as raw material storage
- Our manufacturing units are closely connected via seaports, national highways and railways
- We possess excellent vendor management skills with committed after-sales support



## DIRECTORS' MESSAGE

# From Us To U

Dear Friends,

Living by John Henry Newman's philosophy - "Growth is the only evidence of life", we have evolved into Utkarsh India Limited from Utkarsh Tubes and Pipes Ltd., by diversifying into infrastructural solutions. A nation's growth undoubtedly lies in its infrastructural development. This is but a humble step in that direction.

Expanding our horizons beyond national borders, we have been touching more lives by aiding infrastructural development across the globe, proudly contributing to the growth of foreign nations. A feat like this would have been impossible without the invaluable support of our esteemed suppliers, distributors and dealers. I extend my deepest gratitude to them.

Without an innovative, talented and passionate team of smart and far-sighted people, scaling the mountains of success over the last 40 years, would have been but a dream. A strong and experienced management ensures a smooth flow of the inner workings, much like our pipes. Utkarsh's adeptness stems from this seamless coordination among management, co-workers and our associates.

Sticking to our corporate ethos of 'U are our commitment', we bring the strong promise of consistency and reliability, ensuring optimum consumer satisfaction. 'Customer first' is the motto that drives us to bring you quality.

Regards

**Sunil Bansal, CMD**

We are committed to ensure a customer centric, service oriented approach across all our products and offerings.

**Utkarsh Bansal**

Director, Business Strategies





# Strengthening Infrastructure For U

Galvanizing, or galvanization, is a manufacturing process by which a coating of zinc is applied to steel or iron for protection and rust prevention. There are several galvanizing processes available, but the most commonly offered and used method is Hot-Dip Galvanizing. Galvanized steel is among the most popular steel types because of its extended durability, having the strength and formability of steel plus the corrosion protection of zinc-iron coating. Zinc protects the base metal by acting as a barrier against corrosive elements, and the sacrificial nature of the coating results in a long-lasting and high-quality steel product.

At Utkarsh, we have 5 state-of-the-art galvanization plants with 7-stage Hot-Dip Galvanizing facilities. We use special high-grade zinc supplied by Hindustan Zinc with a purity of 99.995%. And our total combined production capacity is 30,000 MT per month.

Utkarsh India Ltd stands tall as one of the foremost providers of distribution and transmission infrastructure solutions. Our company is renowned for offering a unique blend of expertise and technology that sets us apart from our competitors. Our team of professionals comes with years of knowledge and experience, and our commitment to using state-of-the-art technologies ensures that we are always ahead of the curve.

We understand that every client has unique requirements, and that's why we offer customized solutions that are tailored to meet your specific needs. Our innovative designs and new-age technologies are the backbone of our transmission and distribution services. We use these tools to deliver uninterrupted and reliable power transmission to even the most remote regions, ensuring that our clients, including all discoms and infra solution providers, the best possible service.

Utkarsh India Ltd is dedicated to providing top-notch transmission and distribution infrastructure solutions that meet the evolving needs of our clients. Our focus on expertise, technology, and customer satisfaction has established us as a leading player in the industry, and we remain committed to delivering the best possible service.





**TRANSMISSION  
AND  
SUBSTATION  
TOWERS**

## More Power To U

At Utkarsh India Ltd, we manufacture Transmission Tower structures ranging from 33kV to 765 kV. Our diverse range of products includes Single Circuit, Double Circuit, and Multi Circuit towers, suitable for Twin, Quad and Hex conductors for both AC lines and HVDC lines.



# The Utkarsh Advantage

- We use state-of-the-art automatic machines and high-end facilities for accurate measurements such as:
  - Angle CNC (Cutting/Punching/Stamping)
  - Plate CNC (Punching/Stamping)
  - Plate Drilling CNC (Drilling)
  - Heel grinding machine
- Dedicated and abundant space for proto assembly, which allows us the flexibility to fabricate & erect multiple protos at the same time.

SR NO.	LENGTH (in MM)	WIDTH (in MM)	DEPTH (in MM)
Plant No.-1	12500	1200	1500
Plant No.-2	12500	1200	1500
Plant No.-3	12500	1200	1500
Plant No.-4	800	1000	1500
Plant No.-5	800	1000	1500

- We do both section-wise & tower-wise bundling as per customer requirement at the erection site.
- In order to maintain product quality, the raw materials are always sourced from prime sources such as SAIL, TISCO, RINL, Hindustan Zinc Limited.
- Full-fledged in-house welding facilities with professionally trained and qualified welding teams.
- Design Department with latest hardware and ERP System.

## APPROVALS

We are approved by Power Grid Corporation of India Limited to manufacture towers for all voltage grades, with an approved manufacturing capacity of 30,400 MT per year for Angular towers.

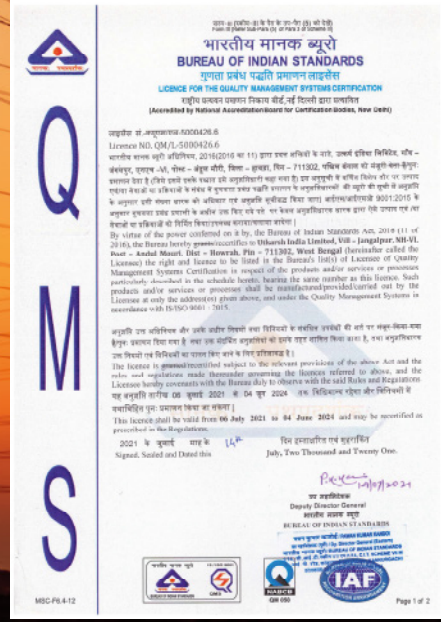
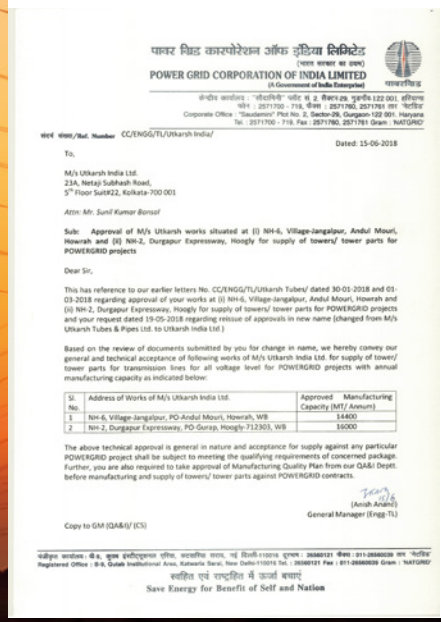
In addition, we are also approved with the following State Utilities:

- West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)
- Bihar Grid Company Limited (BGCL)
- Bihar State Power Transmission Company Limited (BSPTCL)
- Uttar Pradesh Power Transmission Corporation Ltd (UPPTCL)
- Odisha Power Transmission Corporation Limited (OPTCL)
- Tamil Nadu Transmission Corporation Limited (TANTRANSCO)
- Assam Electricity Grid Corporation Limited (AEGCL)
- Gujarat Energy Transmission Corporation Limited (GETCO)
- Haryana Vidyut Prasaran Nigam Limited (HVPNL)
- Jharkhand Urja Sancharan Nigam Limited (JUSNL)
- Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)
- Kerala State Electricity Board (KSEB)
- Damodar Valley Corporation (DVC)

<b>Classification</b>	Angular, Tubular or Hybrid
<b>Current</b>	AC Line or DVDC Line and MCMV
<b>Phase</b>	Single Phase Line or 3 Phase Line
<b>Circuit</b>	Single Circuit – vertical, horizontal & delta configuration towers
	Double Circuit line
	Multiple Circuit line
<b>Material</b>	Structural Steel in Latticed form
	Steel tubular Sections & monopoles Concrete construction
<b>EHT/VHT/UHT</b>	According to the Voltage carrying capacity
<b>Configurations</b>	66 kV, 132 kV, 220 kV, 400 kV, 500 kV, 765 kV, 800 kV



# Certifications



## GLOBAL CLIENTS

We are enlisted as Approved Partners by The National Administration of Power Plants and Electrical Transmissions (Spanish: Administración Nacional de Usinas y Trasmisiones Eléctricas), better known as UTE, and have completed several export projects for internationally reputed EPC contractors.

CLIENT	COUNTRY	VOLTAGE GRADE
Saceem SA	Uruguay	150 kV
Elecnor Group	Dominican Republic	138 kV
Teyma	Uruguay	150 kV
Saceem SA	Uruguay	500 kV
Ingener S.A.	Uruguay	500 kV
Rwanda Energy Group	Rwanda	500 kV

## NATIONAL CLIENTS

In India, besides supplying Tower Material directly to PGCIL and State Utilities, we have also supplied material to several top EPC houses of India.

- Larsen & Toubro Ltd.
- Teems India Towerlines Private Limited
- Bajaj Electricals Limited
- K. Ramachandra Rao Transmission & Project Pvt. Limited
- Kalpataru Power Transmission Limited
- Simplex Infrastructure Limited
- R.S. Infraprojects Pvt. Ltd.
- Sterling and Wilson
- Associated Power Structures Pvt. Ltd.
- EMC Limited





# Substation Structures

We offer customers a full range of Substation Structures and integrated solutions, ranging from design, manufacturing and supply, catering to national and international markets. Our solutions include step-up transmission substation, step-down transmission substation, distribution substation and underground distribution substation. We manufacture both Lattice & Pipe structures as per the requirement of the customer.





## TELECOM TOWERS

# Bringing The World To U

Utkarsh India Limited has a technical collaboration with RAMBOLL, a global leader & pioneer in the field of engineering, architecture and consultancy. Founded in Denmark in 1945, RAMBOLL provides its services to over 35 countries, and here in India they are our partners for Telecom Towers.

Today, Utkarsh has emerged as one of the leading manufacturers of both Angular & Tubular Telecom towers with the following manufacturing capacity:

Type of Tower	Monthly MT Capacity	Sets Per Month
Tubular telecom towers	4000 MT per month	500 + (towers)
Angular telecom towers	3000 MT per month	300 + (towers)



## RANGE OF TELECOM TOWER STRUCTURES

- Various kinds of Tubular GBT / GFT Towers up to 60M in height.
- Various kinds of Rooftop Towers up to 9M in height.
- Various kinds of Narrow Based Towers up to 25M in height (TRI BAND-TUBULAR).
- Various kinds of Welded Mast structures up to 25M in height.

## CIRCULAR POLES

We have our own in-house pipe rolling facility where we manufacture various kinds of telecom poles of varying thickness such as:

- 6.0M Circular Pole
- 7.5M Circular Pole
- 9.0M Circular Pole

## H POLES

- Single Mount Poles – 3M
- Dual Mount Poles – 3M
- Dual Mount Poles – 6M
- Dual Mount Poles – 9M

Moreover, we are also an Approved Vendor of the Bharat Sanchar Nigam Limited for their 20 mtr, 30 mtr and 40 mtr Narrow Based Ground Based Towers.

## PROMINENT TELECOM TOWER CLIENTS





## BAILEY BRIDGE

# Bridging Every Gap For U

We design and manufacture bailey bridges on unit construction principle. The basic unit of a bridge is a panel assembled with accessories to suit the bridging length in multiples. These bridges are described by the number of trusses and storeys which form the main girders. In all cases, the number of trusses is followed by the number of storeys.

Utkarsh bailey bridges are manufactured with high tensile steel for lightness, strength and economy. They can be erected and launched by unskilled labour under the supervision of trained engineers.



The typical construction types manufactured by us are:

- SINGLE SINGLE
- DOUBLE SINGLE
- DOUBLE DOUBLE
- DOUBLE TRIPLE
- TRIPLE SINGLE
- TRIPLE DOUBLE
- SINGLE SINGLE REINFORCED
- DOUBLE DOUBLE REINFORCED
- DOUBLE SINGLE REINFORCED
- TRIPLE SINGLE REINFORCED
- TRIPLE DOUBLE REINFORCED
- TRIPLE TRIPLE

### TESTING

All panels are tested in a test rig before gauging. Panels are tested for a bending moment and shear stress – 25% more than what is allowed on bridges. Proper care is taken while welding the heavy section of male and female eye lug with the light section of the channel.

All the fasteners are electro-zinc plated to a minimum coating thickness of 25 microns, followed by chromatic passivation to ensure longevity in extreme service conditions.

For all other steel part components, the rust and mill scale are thoroughly removed by sand blasting or acid pickling. Components are then phosphatised and cold water rinsed following the passivation, and given one coat of primer. Finally, two coats of finishing paints are applied as per customer requirements.



## JAL MINAR WATER TANK STRUCTURES

# Bringing Life To U

We manufacture Jal Minars or Water Tank Structures made of strong, rust-free galvanized steel to keep water tanks elevated, ensuring seamless distribution of water. The primary function of water towers is to pressurize water for distribution. Elevating the water high above the pipes that distribute it throughout the surrounding building or community, ensures that hydrostatic pressure, driven by gravity, forces the water down and through the system. Manufactured from high-quality raw materials, our steel structures last longer, offering you the right value for money. We have a manufacturing capacity of 1000+ Water Tank Structures per month, which ensures faster delivery to the customer.

At present, we manufacture galvanized structures for 2000 litre and 5000 litre tanks and 10,000 litre tanks or as per customer drawings and specifications.



### SALIENT FEATURES

- Protected from untimely rust
- Safe from extreme weather conditions
- Provide better resistance by tolerating water stress
- Low maintenance and repairing cost
- Available for multiple tank sizes
- Easy to Install

### THE UTKARSH ADVANTAGE

- Manufacturing capacity of 1000+ Water Tank Structures per month
- Ready stock available at reasonable prices with fast delivery
- Raw material sourced from major players in the industry
- High reputation in government and private sectors
- Fabrication capacity of over 1 lakh MT

### APPROVALS

- Har Ghar Jal Yojana under Jal Jeevan Mission
- Public Health Engineering Departments

Size Availability	For 5000, 2000 Ltr Tank (As per specs)	10000 L Tank (As per specs)
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*\*Galvanized prototype (on demand)*

