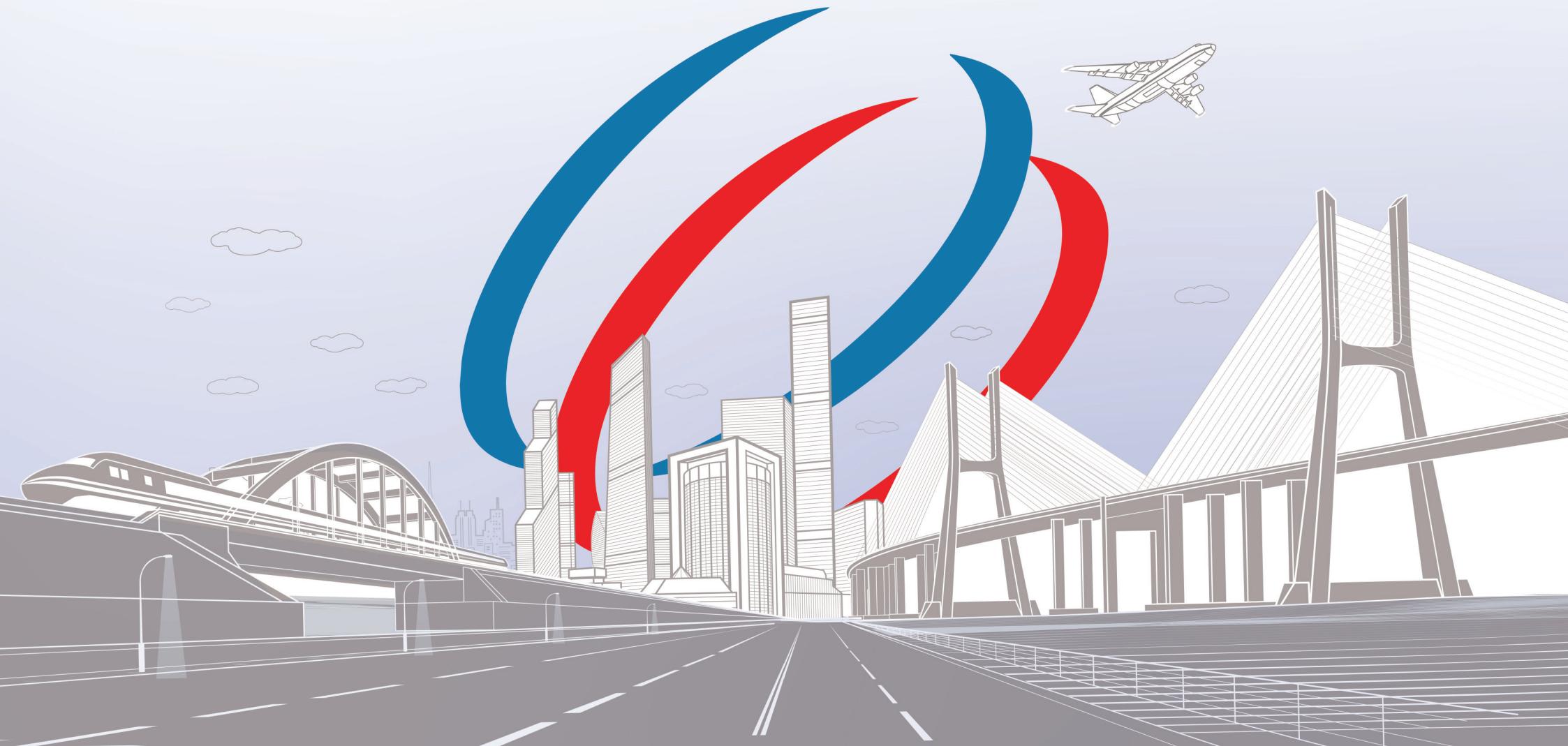


*Re-Imagining*  
EXCELLENCE IN  
ZINC WIRE SOLUTIONS

CEE DEE  
Metalloys (P) Ltd.  
(A GROUP NIRMAL ENTERPRISE)





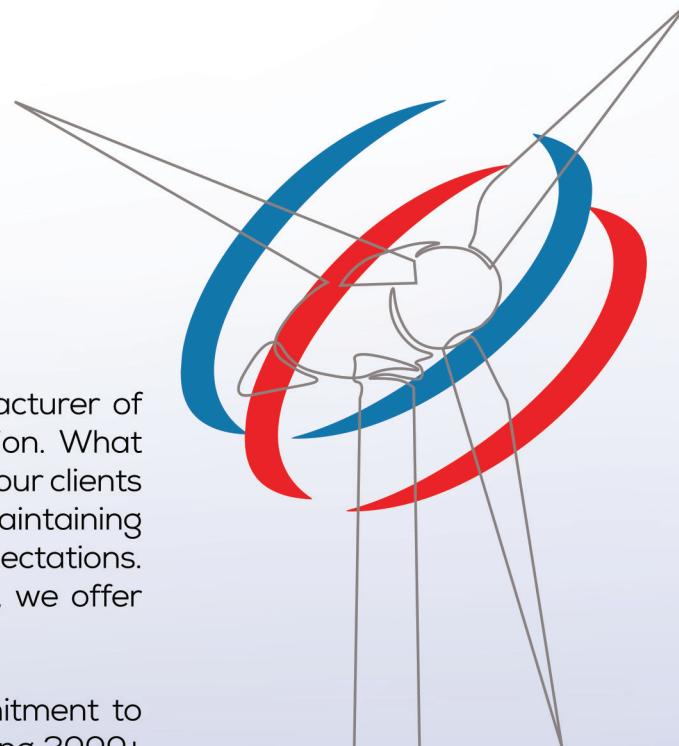
## About Us

Founded in 1991 in Bangalore, CeeDee Metalloys (P) Ltd. has grown to be a leading manufacturer of high-quality zinc wire, recognized for our commitment to innovation and customer satisfaction. What began as a modest operation has now become a trusted name in the industry, with over 90% of our clients staying with us for more than two decades. Our dedication to delivering tailored solutions and maintaining the highest standards of quality sets us apart, ensuring we consistently exceed customer expectations. With a highly skilled team, state-of-the-art facilities, and a relentless focus on improvement, we offer top-tier products at competitive prices.

In 2024, CeeDee Metalloys was acquired by Group Nirmal, further strengthening our commitment to excellence and innovation. With over a decade of expertise, we've led a journey of growth, serving 3000+ clients across 40+ countries. Our 2-star export house and ISO 9001:2015 certification attest to our commitment to quality. With a turnover of 2000 crores, the Group has 7 state-of-the art manufacturing units, producing 216,000 metric tons annually. We are shaping tomorrow's landscape with unparalleled excellence.

## Our Journey

CeeDee Metalloys is one of the fastest-growing producers of value-added zinc wires in the world. With more than 3 decades national presence and 2 decades of international reach across 16 countries, we are India and Asia's undisputed leader in manufacturing Zn and ZnAl wires. We are proud to serve industries such as Ductile Iron Pipe, Capacitors, Gas Cylinders and engineering sectors globally, providing trusted solutions to meet their critical requirements.





## Quality Assurance

At CeeDee Metalloys, quality is our foundation. We source premium materials and maintain rigorous equipment standards. Our strict inspection process ensures each product meets precise criteria for size, purity, mechanical properties and surface condition. Our 99.995% pure zinc wires offer exceptional conductivity and durability, perfect for industrial metallizing applications.

## Quality Policy

- We ensure quality by sourcing top-grade materials and manufacturing under controlled conditions.
- Quality is a daily commitment across every stage of production, from procurement to dispatch.

Our Quality Objectives are as follows:

- Innovate to stay ahead of obsolescence.
- Cultivate a quality-focused work culture.
- Continuously improve products and processes for greater customer satisfaction.

## Raw Material

Chemical Composition & Impurities Allowance (%) \*

Zn (min)	Pb (max)	Fe (max)	Al (max)	Cd (max)	Cu (max)	Sn (max)	Permitted Total
99.995	0.003	0.002	0.001	0.003	0.001	0.001	0.005

\* As Per ISO 752

# ZINC WIRES



**Overview:** Our zinc wires are made from special high-grade zinc ingots (99.995% pure, according to EN 1179 - "Z1") and are widely used in zinc metallizing applications. Every production stage undergoes strict quality control in our advanced facility, supported by our ISO 9001:2015 certified Quality Management System.

## Key Features:

- **Purity:** Manufactured using LME-approved brands, ensuring 99.995% purity.
- **Electrical Conductivity:** Excellent conductivity, making them ideal for metallizing processes such as arc and flame spraying.
- **Surface Quality:** Smooth, clean surface that enhances the durability of spray nozzles and provides a consistent coating.
- **Customization:** Available in various diameters and can be tailored to meet specific customer needs.



## Applications:

Metallizing	Ship Decks	Gas Cylinders	Bridges	Heavy Machinery	Electrical Conductivity & Vehicle

# ZINC WIRES / RODS

Chemical Composition	Chemical Composition & Impurities Allowance (%) *							Zinc Wire - Physical Properties		
	Zn (min)	Pb (max)	Fe (max)	Cd (max)	Al (max)	Cu (max)	Sn (max)	Melting Point(°C)	Tensile Strength (Mpa)	Elongation (min %)
	99.99	0.003	0.003	0.003	0.002	0.005	0.001	419	90-130	40

\* As per ASTM B833-09

Wire Diameter (mm)	1.20	1.40	1.60	2.00	2.50	3.00	3.17	3.48	4.00	4.75
Tolerance (mm)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.06

Note : Other Diameters and Tolerances as Per requests

Fiber Drums	250kgs / 150kgs / 100kgs / 50kgs
Metal Drums	500kgs / 450kgs / 400kgs
Coils	25kgs / 30kgs
Plastic Spools	20kgs / 15kgs

Note : Other Packing Forms as per Request



# ZINC RODS

**Overview:** Zn rods are primarily utilized for metalizing processes. Our zinc rods are manufactured from virgin quality (Zn 99.995% according to EN 1179 - "Z1") through an advanced casting process, ensuring high purity and consistency in every batch. These rods are designed with precise dimensions



## Key Features:

- **Purity:** Produced from high-grade zinc with 99.995% purity, ensuring exceptional quality.
- **Durability:** The rods are engineered to provide long-lasting performance in the most demanding environments.
- **Flexibility:** Available in various sizes and can be customized according to specific industrial requirements.
- **Environmentally Friendly:** Manufactured with a commitment to minimizing environmental impact, using non-contaminating lubricants and thorough cleaning processes.

## Applications:



Electro Plating

Metallizing

## Rods Packing

The Rods are packed in wooden boxes depending on the quantity. Other packing forms like hard paper, Barrel is also used.





# ZINC ALUMINIUM WIRE

**Overview:** (Zn 85%; Al 15%) Our ZnAl wire is produced using virgin ingots of high-grade Zn and Al through a specialized process that ensures compliance with stringent specification standards. The resulting zinc-aluminum wire features a smooth, defect-free finish, ensuring reliable feeding into spray guns and metallizing.

## Key Features:

- **Corrosion Resistance:** The addition of aluminium significantly improves the coatings resistance to corrosion, making it ideal for long-term protection in challenging environments.
- **Strength and Flexibility:** Combines the strength of aluminium with the protective qualities of zinc, offering a versatile solution for various industrial applications.
- **Custom Specifications:** Available in different compositions and diameters to suit specific customer needs and industry standards.
- **High Adhesion:** Ensures a strong bond when applied through thermal spraying processes, providing a consistent and long-lasting coating.

## Applications:



Oil  
Platforms



Railway  
Tracks



WindMills



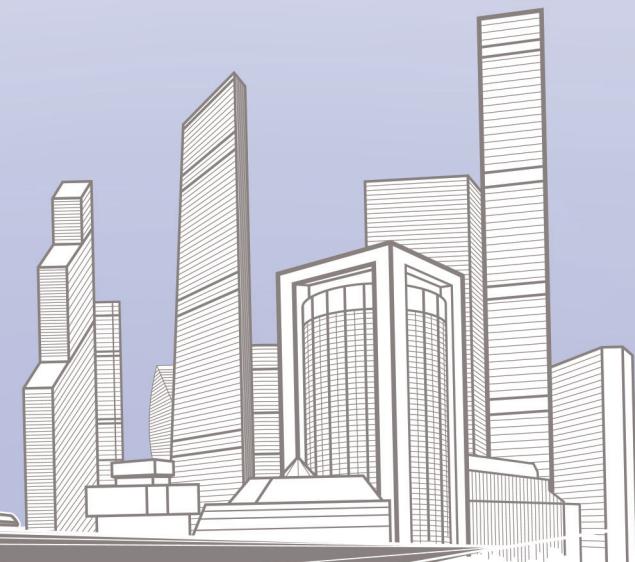
Electric  
Tower



Structural  
Steel



Pipelines





## ZINC METALLIZING SPRAY

Our expertise goes beyond manufacturing high-quality zinc wires. With experienced specialists in arc spraying, we are equipped to solve your metallizing challenges. Our in-house metallizing facility, featuring a six-axis robotic system, allows for precise coating application. From metals to complex carbides and ceramics, our coatings provide long-lasting protection and performance.

### Zinc Metalizing Wires Mechanical Properties

Elongation (%)	40% Minimum
Density (g/cm3)	7.14g/cm3
Melting point	419°C
Tensile strength (N/mm2)	Less than 100- 120 N/mm2

#### Applications:



Automotive

Ships

Renewable  
Energy

Bridges

Stadiums





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