



LEEL ELECTRICALS LIMITED



Mission Statement

Our mission is to deliver innovative, energy-efficient, and reliable Heat Ventilation and Air conditioning solutions that empower industries and improve everyday living. We are committed to excellence in engineering, sustainability in operations, and integrity in all our partnerships. By harnessing advanced technology and our decades of expertise, we strive to create long-term value for our stakeholders, shareholders, and communities worldwide.

LEEL ELECTRICALS LIMITED
(Formerly Lloyd Electric & Engineering Limited)
Heat Exchanger Division

About Us

Leel Electricals Limited (Formerly Known as Lloyd Electric and Engineering Limited) is a trusted manufacturer of HVAC&R components and heat transfer solutions, serving leading OEMs and industrial customers across India and international markets. With a legacy Since 1987, the company specializes in the design and manufacture of high-performance heat exchangers, condenser coils, evaporator coils, Chiller Coils, copper components, Sheet Metal Components and other precision-engineered products for air conditioning, refrigeration, and industrial & Commercial applications.

LEEL Electricals Limited is a publicly traded company with its headquarters at Greater Noida. We are the leading and largest producer of Coils/ Heat Exchangers (Finand Tube type) in India, serving the entire spectrum of HVAC & R industry in the country as well as OEM's in North America, Europe, Middle East and Australia. The company also manufactures Air conditioners for the Indian Railways, Metro Rail and Buses and introduced a state-of-art plant at Rudrapur.

We believe in building long-term partnerships through engineering expertise, responsive service, consistent quality, and a commitment to continuous improvement. Our mission is to be a preferred manufacturing partner for customers seeking dependable, efficient, and cost-effective heat transfer solutions with a renewed focus on quality, innovation, operational excellence, and customer satisfaction. Backed by modern manufacturing facilities, experienced technical teams, and stringent quality systems, the company delivers reliable products that meet the evolving requirements of global HVAC and refrigeration industries.

Production Facility

- Leel Electricals operates a state-of-the-art manufacturing facility designed to deliver high-quality, reliable, and energy-efficient heat exchange solutions for global HVAC&R applications. Our integrated production infrastructure combines advanced machinery, skilled manpower, and stringent quality systems to ensure consistent product performance and timely deliveries.
- Our Plant at Plot No 5,6 & 7, Sector 4, IIE SIDCUL, Pant Nagar, Rudrapur is spread in appx 1,50,000 sq. feet is equipped with modern fin press lines, tube processing equipment, coil assembly stations, brazing and testing facilities, enabling the manufacture of a wide range of condenser coils, evaporator coils, heat exchangers, and customized cooling solutions with a wide lush green surrounding. Every stage of production is governed by robust quality control procedures and continuous process monitoring.
- With a strong focus on operational excellence, safety, and sustainability, our manufacturing operations are designed to support high-volume production while maintaining flexibility for customized customer requirements. The plant layout and workflow are optimized to enhance productivity, reduce lead times, and ensure efficient material movement.
- Our production team comprises experienced engineers, technicians, and quality professionals committed to delivering products that meet international standards and customer specifications. Through continuous investment in technology, automation, and process improvements, Leel Electricals remains dedicated to providing world-class manufacturing capabilities and superior customer value.

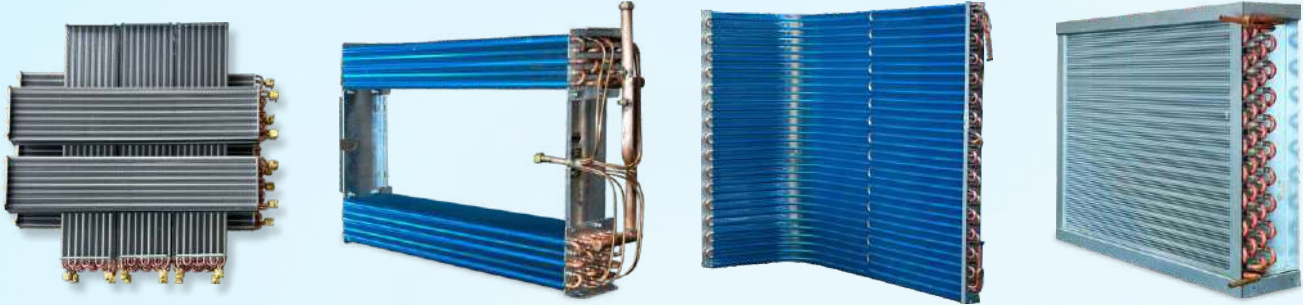
Manufacturing facility

- Well Equipped Facility spread in 1,50,000 Sq. Feet
- Latest Fin Presses from YHM & JAK
- Latest Vertical expender of 2.5 Meter in length
- 2.5 Meter Hair Pin Bending Machine
- In House Sheet Metal Fabrication
- In House Header and Copper Tubing
- Brazing processis certified as per EN 13134 and Brazers are certified as per ISO 13585
- Skill development Centre to continuously upgrade the skills of our workmen



Technical Details

HEAT EXCHANGER SPECIFICATION



Fin Patterns

7.00 MM x 21.00 MM H x 12.70 MM W, Staggered
7.00 MM x 25.00 MM H x 21.65 MM W, Staggered
9.52 MM x 25.00 MM H x 21.65 MM W, Staggered
9.52 MM x 25.40 MM H x 22.00 MM W, Staggered
12.70 MM x 31.75 MM H x 27.50 MM W, Staggered
15.88 MM x 38.00 MM H x 32.91 MM W, Staggered

Coil Sizes

Finned Height: 3000 MM Max.
Finned Length: No constraint
No. of rows: 24 Max

Fin Spacing

- 6-22 FPI in 7.00 MM
- 3-20 FPI in 9.52 MM
- 3-18 FPI in 12.70 MM
- 3-18 FPI in 15.88 MM

Fin Surfaces

- 7.00 MM: Plain, Slit / Louver, V-Waffle / Corner Notching & Centre Notching.
- 9.52 MM: Plain, Slit / Louver, Sine Wave.
- 12.70 MM: Sine Wave.
- 15.88 MM: Sine Wave / Louver.

Fin Edges

Plain/ Straight & Rippled

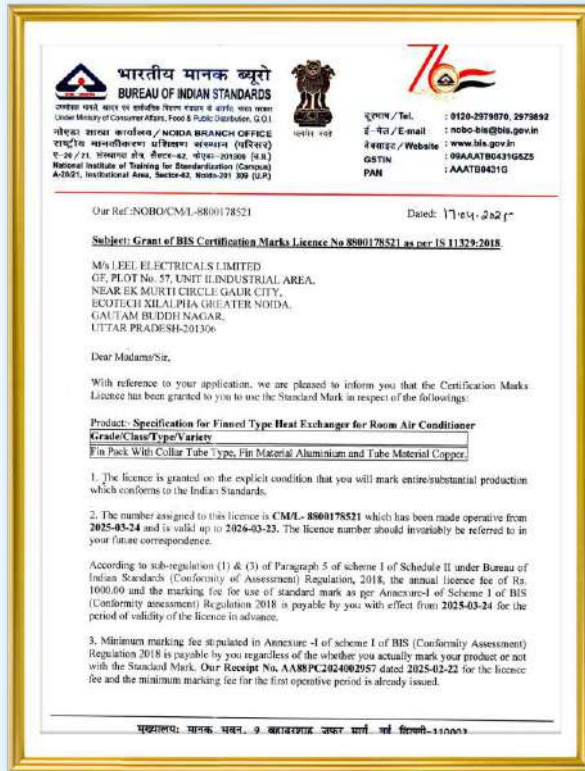
Materials

- Copper Tube: Smooth Tube, Grooved Tube IGT
- Fin Material: Aluminum 0.095 -0.30 mm thick Plain or coated, Copper 0.10-0.16 MM.
- End Plate Sheets: Galvanized Steel (GI), Aluminum, SS & Brass

Geometry

Tube OD	7MM		9.52MM		12.7MM	15.88MM	5MM
Tube Pitch	21mm	25mm	25.4mm	25mm	31.75mm	38.1mm	19.05mm
Row Pitch	12.7mm	21.65mm	22mm	21.65mm	27.5mm	33mm	16.5mm
Fin Thickness	.095 - .25	.095 - .25	.095 - .30	.095 - .25	.095 - .25	.095 - .25	.095 - .25
FPI	10-22	6-22	3-20	3-20	3-18	3-18	9-22
Expansion Length	150-2650	150-12000	150-12000	150-12000	150-12000	150-12000	150-8000

Company Certifications



Design & Development

We have Qualified and experienced Design Engineers equipped with Modern Software's:-
UNILAB, INVENTOR, SOLID WORK and CAD

Testing Facility

- Airtight leak testing
- Contamination testing
- Burst testing
- Pressure cycle testing
- Salt spray testing
- Universal testing machine (UTM)
- Video Measurement Machine (VMM)
- Dry Film Thickness Testing (DFT)
- Helium Leak Detection (under Process)



Burst Testing Machine



Salt Spray Testing



Pressure Cycle Testing



Contamination Testing

Coatings



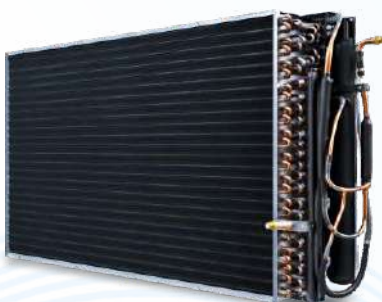
Pre-Coated AL Foils
Hydrophilic Blue



Anti Corrosion
Nano Coating



Heresite Coating



CED Coating



TIN Coating

Our HVAC Product Portfolio

LEEL Electricals offers a complete range of HVAC systems tailored for the most demanding environments – from railways and defense to industrial applications and OEM integrations. Our products are engineered for durability, energy efficiency, and field reliability.

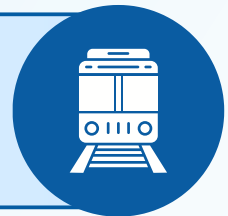


Heat Exchangers

All type of fin & tube type heat exchangers for air conditioning and refrigeration Industry

Railway HVAC System

Roof-mounted Units for LHB Coaches & Locomotives

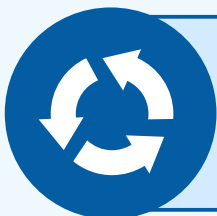
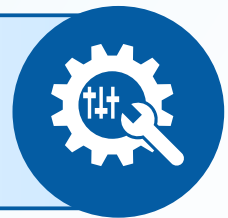


Defence HVAC Solutions

Rugged Systems for Radar & Armoured Cabins

OEM Custom Solutions

Specialized Designs for Equipment Manufacturers



Retrofitting Solutions

Upgrade for aging systems

Spares & AMC Support

Compressors, blowers, service kits, AMCs



Our Team



LEEL ELECTRICALS LIMITED
(Formerly Lloyd Electric & Engineering Limited)
Heat Exchanger Division

Manufacturing Plant
Plot No. 5, 6, 7, IIE SIDCUL, Pantnagar, Sector 4,
Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India
www.leeelectric.com • info@leeelectric.com • +91 97188 04935