

*Lighting up*  
**Dreams,**  
*Powering* **Hopes**



# 30+ YEARS OF POWERING INDIA: OUR BRAND STORY

**LASER POWER & INFRA PVT LTD. (LPIPL) is the largest Cable and Conductor Manufacturer & Exporter in Eastern India, boasting of a strong foothold in India and abroad .**

A pioneer in Power Transmission & Distribution Products and Projects for more than 30 years with proven expertise in large-scale Electrification Projects across the country, LASER POWER & INFRA PVT LTD. manufactures and markets a wide range of Wires, Cables & Conductors.

Under a dynamic management with focused vision, we have attained a leadership position by virtue of our cost-effectiveness, reliability and quality.

With concentrated investment in R& D and Infrastructure over the years, we deliver with Technical superiority while ensuring compliance with customer expectations. .

The core team comprising industry veterans has decades of experience, hailing from domestic and international Cable Companies, EPCs and Allied industries.

With great emphasis on manufacturing excellence, technological advancement and customer satisfaction, our in-house process control and quality assurance experts ensure that every customer receives high quality products.

We are committed towards continuous growth of the organization and our country's power infrastructure, empowering a better, more connected future!

We remain optimistic about working with like-minded partners across public and private domains to deploy strategic projects of national importance that will help:



Meet India's  
growing energy  
needs

Promote the  
spirit of  
"Make in India"  
to the world



Light up lives  
everyday

# OUR PHILOSOPHY

LPIPL is committed to maintaining an ideal balance between agility and growth, scaling new heights and exploring uncharted avenues with social responsibility and inclusiveness. This helps to propel us towards our business objectives while ensuring we continue to care for issues that matter to us, both in the short and long term.

## MISSION

- To lead sustainability and conservation of resources with emphasis on Wind, Solar & Renewable Energy
- To increase investment in manpower and technology to be ready for the challenges and opportunities of this decade
- To keep diversifying into new verticals and categories, aligning LPIPL with growth projections
- To consistently allocate financial resources and time towards CSR, making social responsibility more personal and not merely a corporate mandate

## VISION

- To be the leading Power Infrastructure Company in the world
- To engross the 'Make in India' philosophy and cater to global demand
- To expand our Geography and foray into new markets
- To make Technology a way of life at LPIPL, aiming at 100% automation under Human supervision

## STRENGTH

- National & International presence
- In-house engineering & design capabilities
- Visionary Board & experienced Management Team
- Strong Financial profile
- Diversified product portfolio
- Highly Efficient & Cost Effective manufacturing
- Backward & Vertical Integration

## VALUES

- Customer orientation
- Employee empowerment systems & processes
- Teamwork & cooperation
- Pro-activeness & innovation
- Trust & transparency
- Socially responsible
- Build for durability
- Inclusive environment
- Strong ethos of doing the right thing



**Laser Power & Infra Pvt. Ltd.** has decades of expertise in providing EPC solutions locally and globally. Our journey as an EPC contractor for transmission and distribution of power encases our initiatives at the grassroots level and its far-reaching impact on environmental, social and economic aspects. It offers insights into our holistic approach towards long-term sustainability, along with key strategies, operating environment, risks and opportunities and governance structure.


# OUR EPC OVERVIEW

POWERING LIVES  
AND ILLUMINATING  
HOPES ACROSS  
INDIA

## The following underpins the continuous growth of our company:

1. Home to a seasoned and dynamic workforce that plays a pivotal role in planning, design & engineering, execution, quality control & monitoring the safety measures
2. Strong tie-ups with our clients, to name a few - (PGCIL, NTPC, SBPDCL, NBPDC, WBSEDCL, OPTCL, JBVNL and APDCL) - continuous cooperation has helped Laser Power & Infra to cement its position as the "Key Industry Leader"
3. With great emphasis on our manufacturing excellence, technological advancement & customer satisfaction, our in-house process control & quality assurance experts ensure that every customer receives high quality products
4. Equipped with state-of-the-art plant & machinery with robust infrastructure, today we are a leading name in Power & Transmission Industry





5. We have been in fore front in implementing Rural Electrification projects worth more than INR 2500 Crore (USD 312 Million) under the projects implemented by premier Government Utilities like Power Grid Corporation of India & National Thermal Power Corporation Limited and have conferred with certificate of Excellence & Appreciation by Bihar State Utility during 2017-18

6. With focused approach on the North East part of the country, we have dedicated special resources to execute Transmission and Power projects works worth INR 3500 Crore (USD 437 Million) in most challenging and adverse conditions of the region.

7. We plan to expand our portfolio and develop our expertise in Transmission, EHV Network, Solar Power and other emerging fields of power sector.

## Distinctive & Innovative in every way

### **ENGINEERING TO THE CORE –**

Laser Power & Infra Pvt. Ltd. has integrated its strength through advanced engineering. Many prestigious projects successfully executed have set new benchmarks in terms of scale, quality and completion.

### **IN-HOUSE RESEARCH & DEVELOPMENT –**

Our in-house R&D for project design, engineering and construction, offers integrated solutions in designing and executing the project to meet the client's requirements.

### **INTEGRATED APPROACH TOWARDS COMPLETE POWER SOLUTIONS –**

LPIPL offers solutions for basic and detailed engineering, system integration, and technical expertise to meet the requirements of projects in terms of technology, standards, specification, and performance. The expertise includes conceptualization, detailed design, project planning, procurement, execution of balance of plant, transmission & distribution contracts, solar power projects and many more. LPIPL also offers modernised services for Power Utilities like technical audits, life assessment, performance improvement, and major equipment upgradation.



# OUR PRODUCTS



## HT Power Cables:

Standard IS – 7098 (Part-II),  
IEC – 60502, BS – 6622

LASER Medium Voltage Covered Conductor is a safe and economical choice for HT overhead conductors. A covered conductor has a casing of insulating material(s) that acts as a protection against other covered conductors it might accidentally come in contact with grounded parts such as tree branches, etc. In comparison to insulated conductors, this covering is known for its reduced thickness but is sufficient to withstand the phase-to-earth voltage temporarily.

**XLPE Insulated HT Power Cables** up to 66 kV are designed to comply with the standards of Indian and International specifications. XLPE insulated cross-linked polyethylene insulated cables offer extraordinary strength to withstand high voltages and are used as High Tension Cables for underground voltage transmission systems. Salient features of these cables include better electrical, mechanical, and thermal properties along with the merit of being lightweight. FR-LSH outer sheath is available on request.



## Covered Conductors:

Standard EN 50297 – Part I



## LT Power Cables:

Standard IS – 7098 (Part-I), IEC 60227 & IEC 60502, BS 6004 & BS 6346, NF-C-32-321

**LT Power Cable** consists of four major components: conductors, insulation, metal armour and protective jacket. The makeup of individual cables varies depending upon the application. LASER LT Power Cables with PVC or XLPE insulation voltage conform to various Indian and International Standards. XLPE insulated cables are cross linked, mechanically strong and offer better resistance against stress cracking and ageing caused by hot air. LASER FR-LSH cables are manufactured using special compounds for sheathing and are resistant to fire.



## LT & HT Aerial Bunched Cables:

Standard IS-14255, 7098 - Part II, IEC 60502, IEC 60228, DIN 48200, BS 50182, NF-C 33-209

**LASER Aerial Bunched Cable** is the safest cable for inhabited areas, minimising the risk of electrical shocks. Salient features include high insulation resistance to earth throughout the year, negligible leakage currents, low losses and anti-theft properties. It is dubbed as a great product for Overhead Power Distribution, which provides higher safety and reliability in comparison to bare conductor overhead distribution systems.

Being the largest conductor manufacturer in Eastern India, we are a leading name in all types of Aluminium conductors, which include Aluminium Conductor, Aluminium Conductor Steel Reinforced and Aluminium Alloy Conductor of National & International Standards, for Overhead Power Transmission lines. Our conductors are widely known for high tensile strength, corrosion resistance and cost effectiveness. These conductors are manufactured using electrolytically refined aluminium, which has a minimum purity of 99.7% and is used in transmission lines for rural and grid power distribution.

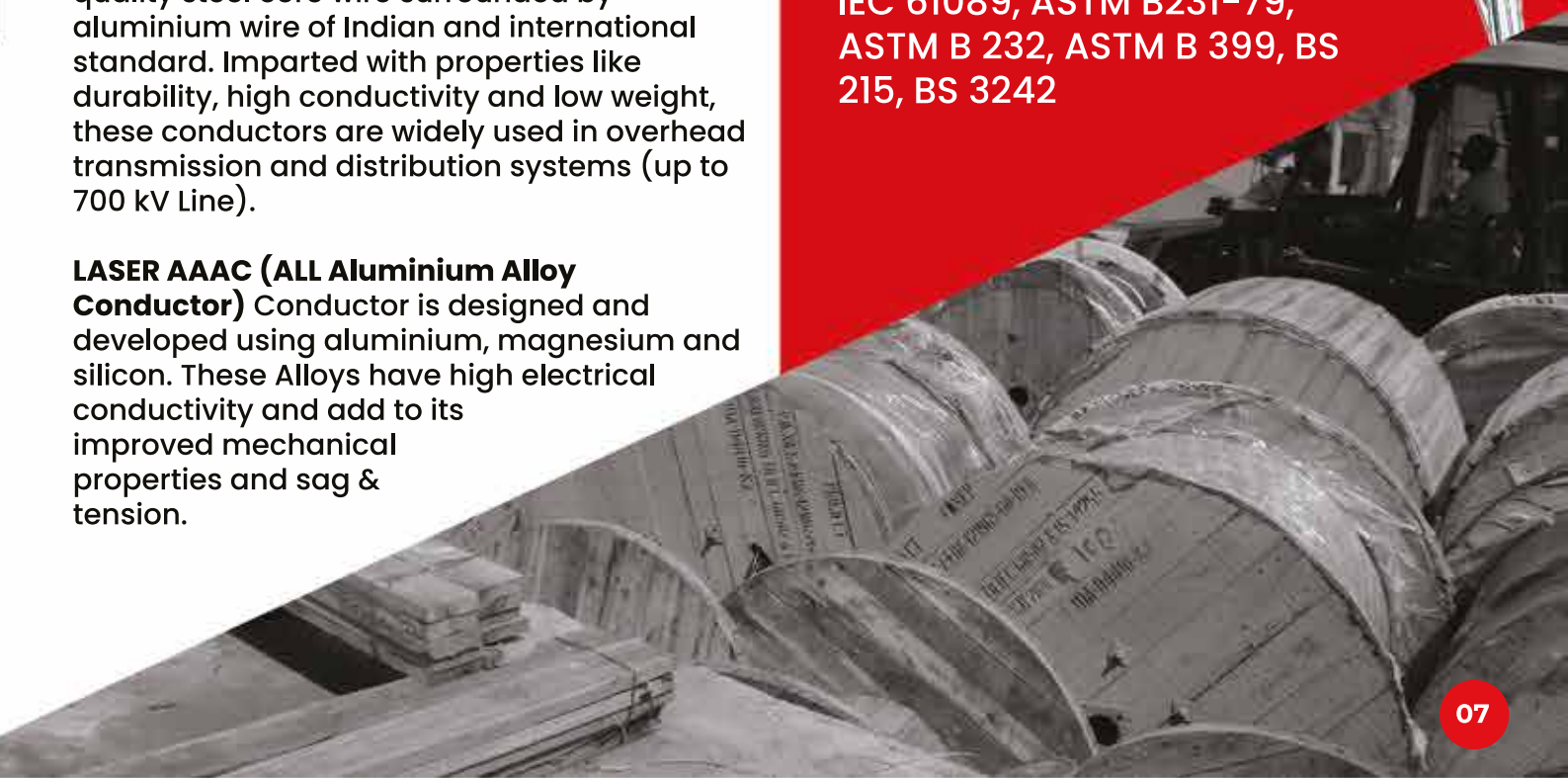
**LASER ACSR (Aluminium Conductor Steel Reinforced)** is manufactured using high quality steel core wire surrounded by aluminium wire of Indian and international standard. Imparted with properties like durability, high conductivity and low weight, these conductors are widely used in overhead transmission and distribution systems (up to 700 kV Line).

**LASER AAAC (ALL Aluminium Alloy Conductor)** Conductor is designed and developed using aluminium, magnesium and silicon. These Alloys have high electrical conductivity and add to its improved mechanical properties and sag & tension.

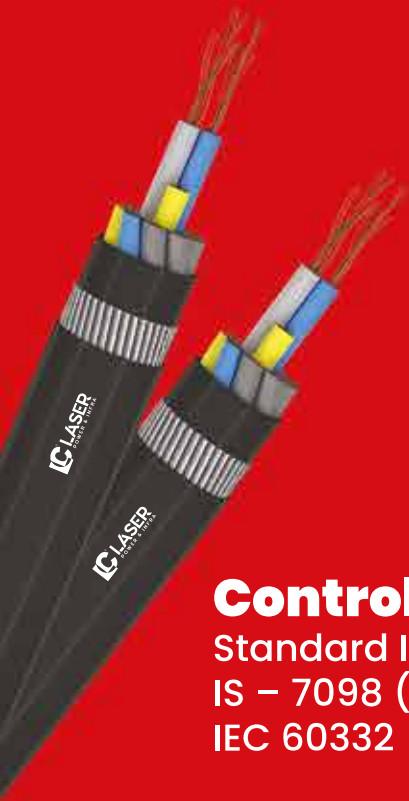


## Aluminium Conductors:

Standard IS: 398-1, 2, 4 & 5, BS EN 50182 & BS EN 50183, IEC 61089, ASTM B231-79, ASTM B 232, ASTM B 399, BS 215, BS 3242



# OUR PRODUCTS



## Control Cables:

Standard IS – 1554 (Part-I),  
IS – 7098 (Part I),  
IEC 60332

**Control Cables** are an amalgamation of conductors, insulation, metal armour and protective jacket. LASER Control Cables are multi-conductor cables used in automation and instrumentation. These cables are typically shielded with a foil shield, braid shield or combination of the two. LASER takes complete care of the flexibility of the conductor while manufacturing it.

**LASER QUAD** Cables are manufactured and aligned with RDSO specifications. Polythene Sheathed Jelly-filled Cable with Poly-Al moisture barrier is used in providing telephone connections. Jelly-filled quad cables are used for special purposes like control circuits, axle counters etc. in RE and Non-RE areas.

## QUAD Cables:

Standard as per RDSO



## PVC Insulated Copper Cables:

ZHFR, HRFR, FR-LSH;  
Standard IS 694, IEC 60502

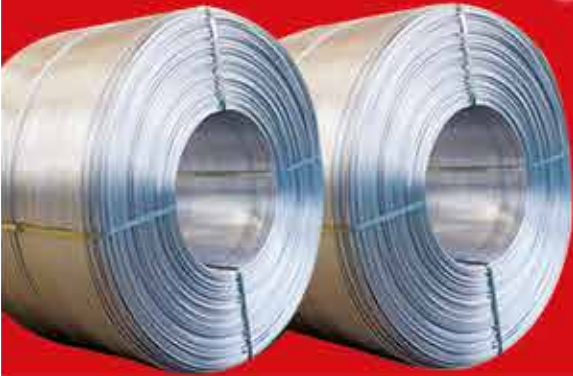


**LASER PVC-insulated Single and Multi-core Copper Flexible Cables** are designed and manufactured for low-voltage applications. This cable finds usage in Panel Control Wiring, Industrial and Commercial Building Wiring, Home Appliance Cords, Battery Cables and 3-Core Flat Cables for submersible pumps. Mankind and environmental safety being our utmost concern, all flexible cables are heat-resistant, fire-retardant and emit considerable low smoke.



# Aluminium and Aluminium Alloy Wire Rods:

Standard H12, H14 –  
ASTM B 233-85



**LASER Aerial Bunched Cables** is the safest cable for inhabited areas, minimizing the risk of electrical shocks. Salient features include high insulation resistance to earth throughout the year, negligible leakage currents, low losses, and anti-theft properties. It is dubbed as a great product for Overhead Power Distribution, which provides higher safety and reliability in comparison to bare conductor overhead distribution systems.

**LASER Silane Grafted Cross Linkable PE** compounds are Steam Cured and are suitable for LT Power Cable Insulation and AB Cable Insulation. It has been specifically developed for Low Voltage Insulation and Sheathing purposes. LASER also manufactures **LT XLPE** that is capable of Ambient Curing, i.e. it utilizes moisture in the air for Curing.

**LASER MV XLPE** is suitable for Medium Voltage Cables that can be extruded as a normal Thermoplastic in Sioplas Triple Extrusion system. The MV XLPE compound forms the insulation layer and it can be co-extruded with Inner and Outer Semicon Material. Curing of MV XLPE is done by immersing the extruded cable drum in Hot Water or in a Steam Chamber.

**PVC & XLPE/G.I.**



# INTERNATIONAL DIVISION

Company has a team of seasoned professionals catering to international clients with a diversified product portfolio. With our R&D initiatives and more than 15 years of presence in the International market, LPIPL is a renowned sourcing partner for major global utilities, complying with all the major international standards viz. American Standard (ASTM), Australian Standard (AS), Canadian Standard (CSA), European Standard (EN), International Electrotechnical Commission Standard (IEC), Japanese Industrial Standard (JIS), Swedish Standard (SS), etc.

Having successfully executed complex projects across some of India's most difficult terrains and conditions, we have built an expertise in projects commissioning ahead of schedule, addressing the key constraints of time and rigorous ground conditions. We boast of a dedicated team of designers and engineers, possessing years of deep experience in project execution across international geographies viz. Africa, The Middle East, Asia-Pacific, SAARC, and South America. With a customer-centric approach and integrated capabilities, our International Division is fully equipped to undertake and execute projects in the following domains:



**Rural  
Electrification  
Projects**



**Off-Grid and  
On-Grid Solar  
Power Projects**



**Transmission  
Lines**



**Underground  
Cabling**



**Reconductoring  
of Transmission  
Line with New  
Generation  
Conductors**



**Conventional  
Substation**



**GIS Substations**

# LPIPL'S GEOGRAPHICAL FOOTPRINT ACROSS THE GLOBE



1. Togo
2. Ethiopia
3. Central African Republic
4. Bhutan
5. Mauritius
6. Bangladesh
7. Dubai
8. Kenya
9. Uganda
10. Rwanda
11. Zambia
12. Senegal
13. Ivory Coast
14. Ghana
15. Tanzania
16. Mali
17. Mozambique
18. Nigeria
19. DR Congo
20. Burkina Faso
21. Cameroon
22. Guinea-Bissau
23. Guinea-Conakry
24. Malawi
25. India
26. Sri Lanka
27. Nepal
28. South Africa
29. Gambia

# MAJOR MILESTONES ACHIEVED

Villages  
Electrified  
**12,940 nos**

Household /  
End-user Connections  
**15,21,590 nos**

Erection &  
Commissioning of LT  
Overhead Line  
**39,545 Ckm**

Erection &  
Commissioning of 11kV  
Overhead Line  
**18,730 Ckm**

Erection &  
Commissioning of 33kV  
Overhead Line  
**1,218 Ckm**

Installation &  
Commissioning of New  
33/11kV substations  
**64 nos**

Augmentation/  
Renovation of 33/11kV  
Substations  
**99 nos**

Commissioning  
of 11kV Distribution  
Transformers  
**22,571 nos**

Laying of  
33kV & 11kV  
Underground Cables  
**109 Ckm**

Installation of  
SPV Module  
**3,602 kWp**

# OUR NEW ENDEAVOURS

## Strengthening Odisha's Lifeline – Sambalpur Water Project

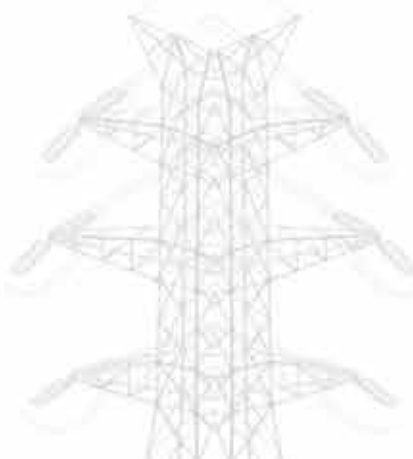
Execution of rural piped water supply project pertaining to **Kuchinda & Bamra** blocks in Sambalpur district, Odisha, including 5 years of Operation & Maintenance.

LOA Date	: 23-05-2022
Zero Date	: 08-06-2022
Target Completion Date	: 07-06-2024

## Ensuring Smiles in Every Household – Kolkata Piped LPG Project

Laying of **Underground PE Pipeline and Last Mile Connectivity** at Kolkata GA (2 yrs. ARC)

LOA Date	: 23-05-2022
Zero Date	: 23-08-2022
Target Completion Date	: 22-05-2024



# WE ARE PROUD OF OUR ESTEEMED CLIENTELE

## Government Clients



INDIAN RAILWAYS



पावरग्रिड

PGCIL



NTPC



BHEL



NHPC



ONGC



DVC



WBSEDCL



NBPDC



SBPDC



PVVNL



PuVVNL



MVVNL



DVVNL



OPTCL



KOLKATA METRO RAILWAYS, WEST BENGAL



WBSETCL, WEST BENGAL



APDCL, ASSAM



BSPTCL, BIHAR



JBVNL, JHARKHAND



JUSNL, JHARKHAND



JVVNL, RAJASTHAN



MESCOM, KARNATAKA



HESCOM, KARNATAKA



KPTCL, KARNATAKA



APEPDCL, ANDHRA PRADESH



APTRANSCO, ANDHRA PRADESH



TSTRANSCO, TELANGANA

# WE ARE PROUD OF OUR ESTEEMED CLIENTELE

## Government Clients



TANTRANSKO,  
TAMILNADU



TANGEDCO,  
TAMILNADU



DHBVN,  
HARYANA



UHBVN,  
HARYANA



GETCO, GUJARAT



KSEB, KERALA



PSPCL, PUNJAB



PSEB, PUNJAB



APGCL, ASSAM



AEGCL, ASSAM



CSPDCL,  
CHHATTISGARH



CSPTCL,  
CHHATTISGARH



UPPTCL,  
UTTAR PRADESH



MSETCL,  
MAHARASHTRA



MAHA VITARAN -  
MAHARASHTRA STATE  
ELECTRICITY DISTRIBUTION  
CO. LTD.



MSPCL,  
MANIPUR



MEECL,  
MEGHALAYA



सेल  
SAIL



MPMKVVCL,  
MADHYA PRADESH



MPPKVVCL,  
MDHYA PRADESH



MPPTCL,  
MADHYA PRADESH



MECCON LIMITED



PTCUL,  
UTTARAKHAND



URANIUM  
CORPORATION LTD.  
(UCIL)



APPCPL  
DEPT. OF POWER,  
ARUNACHAL PRADESH



RAIL VIKAS NIGAM  
LIMITED

## Private Clients



LARSEN & TOUBRO LTD.



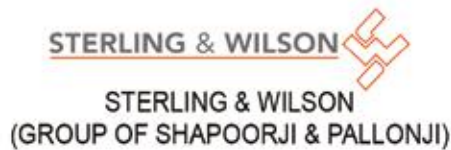
TATA STEEL, JAMSHEDPUR



TATA POWER



VOLTAS (A TATA ENTERPRISE)



TECHNO ELECTRIC & ENGINEERING LTD.



# International Clients



ETHIOPIAN ELECTRICITY UTILITY



ENERGY DEVELOPMENT CORPORATION LIMITED



RWANDA ENERGY GROUP



ENERGY UTILITY CORPORATION LIMITED



NEPAL ELECTRICITY AUTHORITY



BHUTAN ELECTRICITY



NPD RWANDA



Kenya Power  
KENYA POWER



ELECTRICIDADE DE MOÇAMBIQUE, E.P.  
MOZAMBIQUE



KENYA ELECTRICITY TRANSMISSION CO.



AFGHANISTAN RENEWABLE ENERGY UNION



GHANA ELECTRICITY LTD



SENEGAL



EASTERN CABLES LIMITED, BANGLADESH



TANZANIA ELECTRIC SUPPLY COMPANY LIMITED, TANZANIA



ENERGIECENTRAFRICAINE, CENTRAL AFRICAN REPUBLIC



CENTRAL ELECTRICITY BOARD, MAURITIUS



CENTRAL ELECTRICITY BOARD, MAURITIUS



ENATREL, NICARAGUA



Compagnie Energie Electrique du Togo  
*Toujours plus d'énergie*

TOGO

# FUTURE PLANS

## New Trajectory of Laser Power & Infra Pvt. Ltd.



### Lead the Power Resurgence

We are steering our brand towards the pinnacle of power with infrastructure expansion and R&D investment complementing our growth plans.



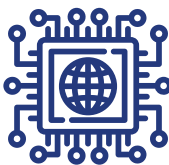
### Redefine 'Make In India'

LPIPL believes in delivering world-class 'Make In India' electrical cables and conductors by catering to ever-evolving global demands.



### Expand & Tap New Markets

In the future, we want to tap the remotest markets by expanding our horizons.



### Technological Advancements

The future holds advancements in automation, ease of production, and sourcing superior raw materials.

# **REAL POWER** is in **EMPOWERING the Society**

COMPANY PROFILE



Scan the QR Code

# CONTACT US



## **CORPORATE OFFICE:**

ADVENTZ INFINITY@5, BN BLOCK  
19TH FLOOR – NORTH WING, SALT LAKE,  
SECTOR- V, KOLKATA - 700091, WEST BENGAL, INDIA  
☎ +91 6292274159 ✉ info@laserpowerinfra.com

## **GURUGRAM OFFICE:**

501, 5TH FLOOR, TOWER - B, MILLENNIUM PLAZA,  
SECTOR - 27, GURUGRAM,-122002 HARYANA, INDIA

## **FACTORY ADDRESS:**

### **UNIT - 1**

PP-1: NH- 6 POLYPARK, DHULAGARH, HOWRAH - 711302,  
WEST BENGAL, INDIA

### **UNIT - 2**

PP-2: NH- 6 POLYPARK, DHULAGARH, HOWRAH - 711302,  
WEST BENGAL, INDIA

### **UNIT - 3**

PLOT - F1, SECTOR - F, VIDYASAGAR INDUSTRIAL PARK,  
VILL - JAFALA, PO - JAKPUR, KHARAGPUR, WBIDC -  
721301, WEST BENGAL, INDIA

🌐 [www.laserpowerinfra.com](http://www.laserpowerinfra.com)