



HELPING POWER
REACH PEOPLE

SINCE 1959

Company Profile
www.iacelectricals.com



Chairman's Message

In my long career of more than 40 years in business, I have learnt one of the most valuable lessons about the power of thought and confidence to achieve a positive output.

My team and I work very hard and put our best efforts to provide total satisfaction to our customers, starting from manufacturing to delivery. I believe in teamwork, and I am confident in reaching many more milestones in the years to come.

-Brij Mohan Garodia



Core Values



Commitment towards excellence & quality

To continuously improve the cost-effectiveness and performance of all our products and processes and focus on innovation at the same time.



Commitment towards people

To recognize, nurture and support the desire and ability of individuals to grow and improve.



Commitment towards customers

To forge long-term relationships by being responsive and consistently delivering the best.



Commitment towards accountability

To encourage responsibility at every level and ensure the result always meets expectations.



Vision

To ensure continual improvement in products and processes by different innovation means to deliver quality products to the customer.



Mission

To deliver quality products to meet the requirements of our valued customers, the first time and every time



Quality Policy

To ensure total customer satisfaction all the time through the best quality products and services, and to adhere to applicable legal & regulatory requirements and continual improvement in all fields of activities through the best utilisation of human resources.

Company Profile



Reputation

Since our inception in 1959, our company's reputation for excellence and integrity is one of our most prized assets in the field of Transmission Line Hardware & Accessories for Insulator, Conductor, Ground Wire, AB Cable, OPGW & ADSS as well as Clamps & Connectors and other Sub-Station Hardware.

We have earned this reputation by adhering to the highest standards of business conduct, which includes not only complying with applicable laws and regulations but also continuously striving to set the standard for corporate governance in our industry. Integrity is one of our most important attributes.



Commitment

We are committed to maintain our record of strong corporate governance and will continue to seek to improve upon our solid foundation.



Certifications

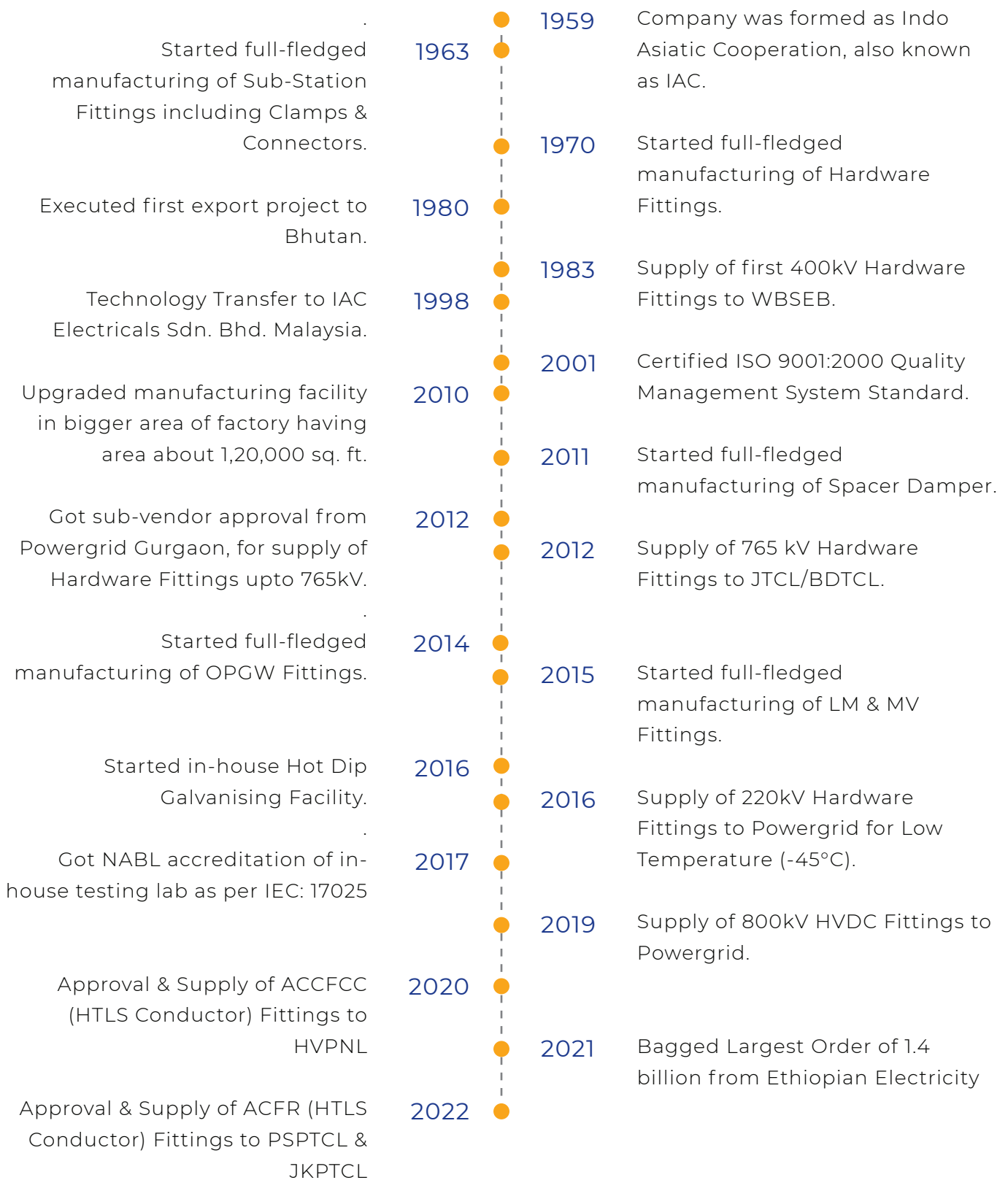
Our IAC products are backed by stringent in-house quality control and only materials conforming to the related specification reaches our buyers. Our laboratory is NABL accredited and well equipped to conduct Type Tests, Acceptance Tests and Routine Tests. Type Tests on IAC products, which conform to specifications such as IS, IEC, BS, DIN, ASTM etc. are carried out both in the country and abroad at labs with international recognition like Hydro Quebec (Canada), NGK and CREIPI (Japan), ZKU KEMA (Czech Rep.), EPRI (China) and CPRI, IIS, GPRI, IIT, BHEL, NTH, PDTC etc.



Pioneers in Development

We, in our country, pioneered the use of CAD, CAM & CAE for Power Transmission Line Hardware. In the event of customized requirements, we have a widely experienced design team, backed by the latest software.

Milestones



Quality Assurance & Certifications

The quality, performance and reliability of all our products and services are assured in accordance with customer's requirements. Our Quality Management System, compliant with the International ISO 9001:2015, 14001:2015 & 45001:2018

Quality Management Standard, is accredited by TUV SUD. One of the key elements to IAC's success is its never-ending pursuit of superior quality in all its endeavors.





CERTIFICATE

The Certification Body of TÜV SÜD South Asia Private Limited certifies that

IAC Electricals Pvt. Ltd.
Plant-1: Sankrail Industrial Park (Plot No.53), P.O. - Dhulagori Bombay Road (NH-6) Howrah - 711 302, INDIA

has implemented a Quality Management System in accordance with **ISO 9001:2015** For Scope of

PLANT - 1: MANUFACTURING OF TRANSMISSION, SUBSTATION LINE HARDWARE FITTINGS AND ACCESSORIES FOR CONDUCTOR AND EARTHWIRE FROM 66KV TO 765KV

The certificate is valid in conjunction with the main certificate From **2020-04-16** until **2023-04-15**
Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv.com
Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

Certificate Registration No. **99 100 15228/02**
Date of Initial certification : **2014-04-16**





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IAC Electricals Pvt. Ltd.
Plant-1:Sankrail Industrial Park (Plot No.53), P.O. - Dhulagori Bombay Road (NH-6) Howrah - 711 302, INDIA

has implemented an Environmental Management System in accordance with **ISO 14001:2015** For Scope of

DESIGN, MANUFACTURE, TESTING, AND SUPPLY OF INSULATOR HARDWARE FITTINGS AND ACCESSORIES SUITABLE FOR CONDUCTOR, EARTHWIRE, OPGW, ADSS CABLE, AERIAL BUNDLE CABLE AND COVERED CONDUCTOR USED IN TRANSMISSION, DISTRIBUTION AND SUBSTATION UPTO 765 KV HVAC AND 800 KV HVDC.

The certificate is valid in conjunction with the main certificate From **2021-03-18** until **2024-01-11**
Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv.com
Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

Certificate Registration No. **99 104 00535/02**
Date of Initial certification : **2018-01-12**
Issue Date: **2021-03-18**





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CERTIFICATE

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IAC Electricals Pvt. Ltd.
Plant-1: Sankrail Industrial Park (Plot No.53), P.O. - Dhulagori Bombay Road (NH-6) Howrah - 711 302, INDIA

has implemented an Occupational Health and Safety Management System in accordance with **ISO 45001:2018** For Scope of

DESIGN, MANUFACTURE, TESTING, AND SUPPLY OF INSULATOR HARDWARE FITTINGS AND ACCESSORIES SUITABLE FOR CONDUCTOR, EARTHWIRE, OPGW, ADSS CABLE, AERIAL BUNDLE CABLE AND COVERED CONDUCTOR USED IN TRANSMISSION, DISTRIBUTION AND SUBSTATION UPTO 765 KV HVAC AND 800 KV HVDC.

The certificate is valid in conjunction with the main certificate from **2021-03-18** until **2024-01-11**
Subject to successful completion of annual periodic audits
The present status of this Certificate can be obtained on www.tuv.com
Further clarifications regarding the scope of this certificate may be obtained by consulting the certification body

Certificate Registration No. **99 117 00664/02**
Date of Initial certification: **2018-01-12**
Date of Migration: **2021-03-18**
Issue Date: **2021-03-18**





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National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

IAC ELECTRICALS PRIVATE LIMITED (TESTING LABORATORY)

has been assessed and accredited in accordance with the standard **ISO/IEC 17025:2017**

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

UNIT 11, SANKRAIL INDUSTRIAL PARK, PLOT NO. 53, VILLAGE JALADHULAGORI, PO DHULAGORI, BOMBAY ROAD (NH-6), HOWRAH, WEST BENGAL, INDIA

in the field of **TESTING**

Certificate Number: **TC-10793**
Issue Date: **08/07/2022** Valid Until: **07/07/2024**

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : **IAC ELECTRICALS PVT. LTD.**
Signed for and on behalf of NABL




N. Venkateswaran
Chief Executive Officer

IAC has a proficient and trained team of quality personnel to carry out stringent quality checks to ensure that our products withstand the worst misuse and abuse in line conditions. Our laboratory is NABL accredited and well equipped with facilities of the highest order to ascertain prompt and precise results to a number of tests which forms the backbone of our design

Manufacturing Facilities

IAC Electricals has all the facilities to design, manufacture, test and supply complete range of overhead line and substation hardware, accessories and clamps & connectors upto 800kv.

IAC has set up two well laid out factories equipped with the most modern machines in and around Kolkata, India. We have a experienced technical team of people and dedicated work force to ensure quality products as well as timely execution of orders.



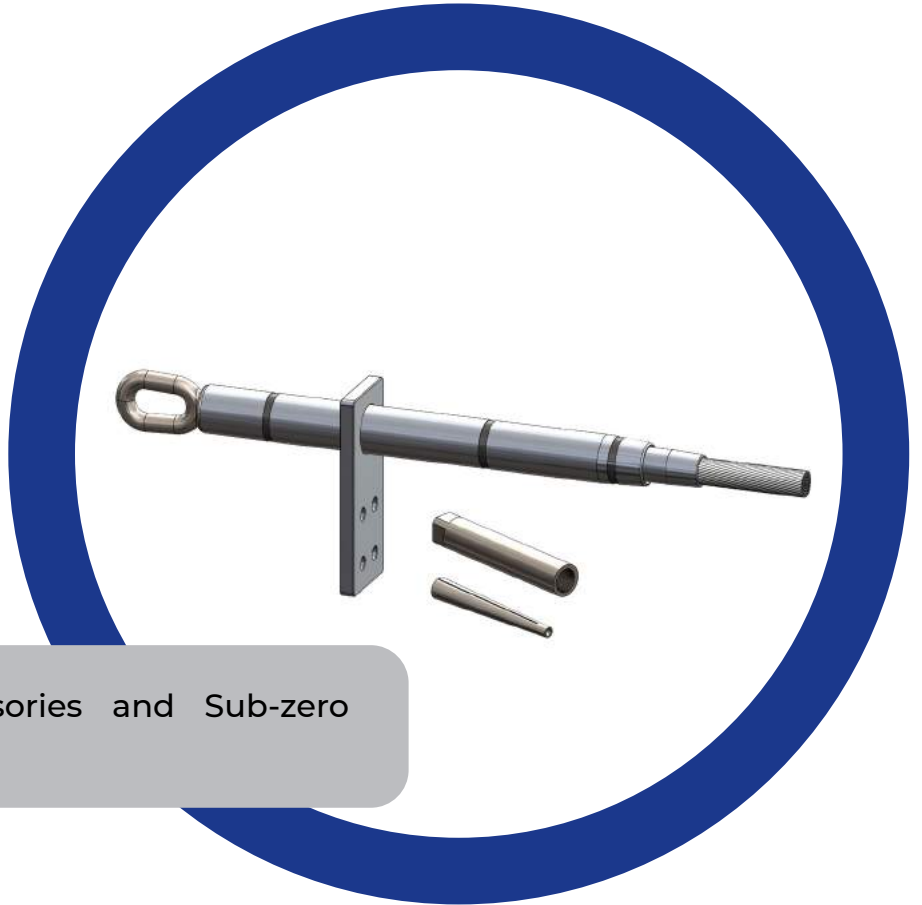
Field of Operation



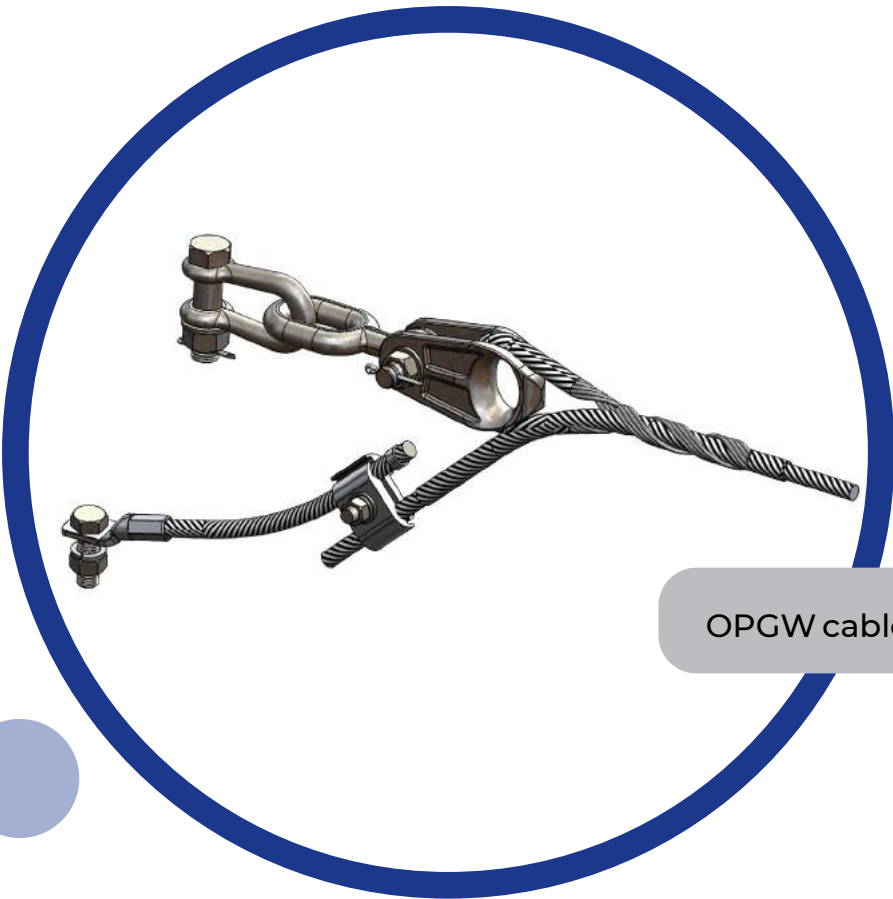
Transmission line and substation insulator fittings up to 1200 kV AC and 800 kV HVDC



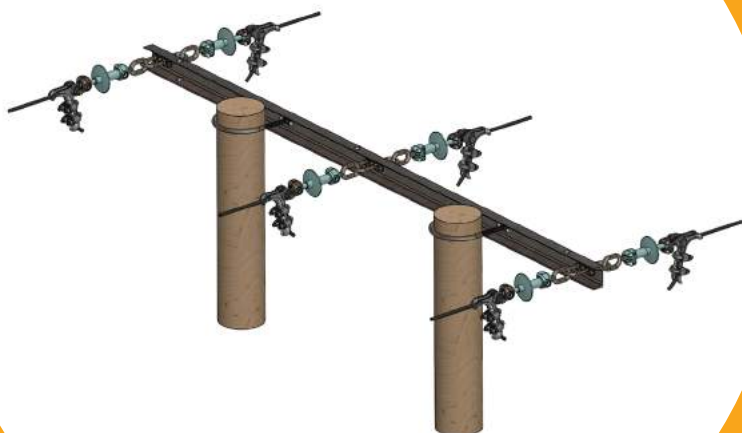
Conductor and ground wire accessories



HTLS conductor accessories and Sub-zero hardware fittings



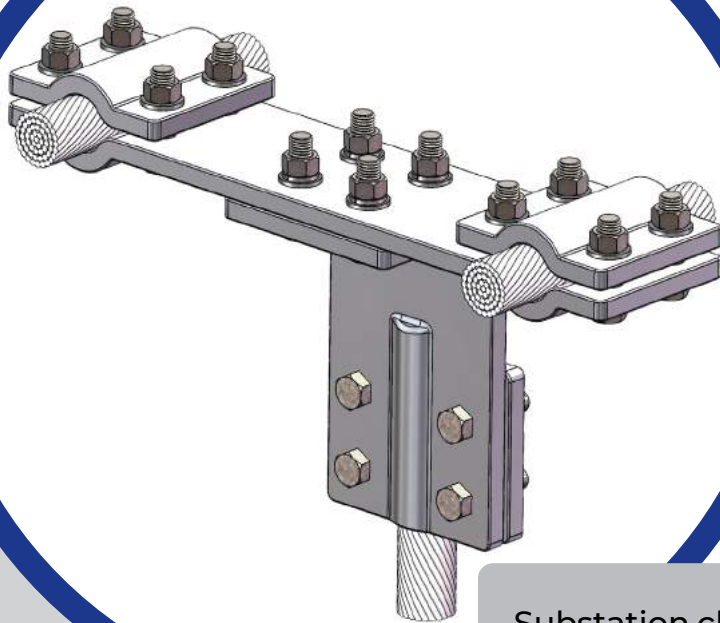
OPGW cable fittings



Pole/Distribution line hardware



AB Cable and ADSS cable accessories



Substation clamps and connectors



Earthing & tower accessories

Research and Testing Laboratory

IAC Research and testing laboratory is testing Division of IAC Electricals Pvt Ltd. Facilities of IAC Research and testing laboratory is an ISO/IEC 17025 accredited by NABL India for testing of products in the disciplines of Electrical, Mechanical and Chemical.

Scope of various testing disciplines are as bellow:

⚡ Electrical Tests

- Heating cycle tests / Temperature rise test on compression type deadend clamps, Repair sleeves, Midspan compression joints, T- connector, Line tap, AAAC/AAC/ACSR/HTLS conductors, PG Clamps and other type of electrical connectors.
- DC Resistance / Conductivity test on compression type deadend clamps, Repair sleeves, Midspan compression joints, T- connector, Line tap, AAAC/AAC/ACSR/HTLS conductors, PG Clamps and other type of electrical connectors, earthwire tension clamp/PG clamp/Copper bonds/MSCJ.
- Magnetic power loss test on all type of Rigid Spacers, Spacer Dampers, Vibration Dampers, Envelope and AGS type suspension clamps.



⚙️ Mechanical Tests

- Tests on locking devices
- Mechanical tests on components of fittings
- Movement test
- Slip test
- Dynamic characteristic tests on vibration damper
- Fatigue test on vibration damper
- Compression, tensile tests /pull off test Vibration damper.
- Characteristics of the damping and elastic properties for Spacer Damper
- Fatigue test on Spacer damper
- Slip Strength/Tensile Test
- Physical properties of metals (hardness tests)

📏 Conductor Tests

- All type tests on ACSR/AAAC conductors
- Type tests on HTLS conductors at ambient and elevated temperatures
- Creep test, Axial impact test, Sheave test, Stress-Strain and Torsional Test



🧪 Chemical Tests

- Chemical analysis of ferrous and non-ferrous metals
- Uniformity of zinc coating, mass of zinc coating and coating thickness

Insulators and Insulator string laboratory:

IAC Electricals Pvt Limited has a unique testing facility for mechanical and vibration tests on insulator and insulator strings. Following tests are being regularly carried out in IAC testing laboratory on insulator/insulator strings.

- Vibration / Fatigue test on insulator string up to 1200 kV AC and 800 kV HVDC system voltage. Vibration test facility available for all type of strings including V and Y strings.
- Mechanical failing load test insulator string up to 1200 kV AC and 800 kV HVDC system voltage up to 2000 KN mechanical strength.
- Tensile tests on insulator
- Compression test on Insulator
- Bending test on insulator
- Torsion test on insulator



Training and Development Facilities

We have a variety of learning and development opportunities which helps our employees to develop and take on bigger challenges and responsibilities. Employees join us at different stages in their careers. We offer a variety of training programs including soft-

skills trainings, e-trainings and program-based trainings to help our employees at all levels to enhance their leadership and general business skills. Our highest priority is to match individual employee aspirations with our organisational needs.



Our Reach Over The World



Major Clients



Corporate Social Responsibility

IAC Electricals joined hands to elevate the well-being of 6 adjoining villages with several camps and relief measures.

80% of the inhabitants in these areas are below the poverty line, the development of which the government had completely ignored. From 2012 onwards, we have strived to uplift these villages.

Here are a few of them:

Regular Eye Camps

- 1500 free eye examinations done
- 84 free eye micro surgeries done
- 600 spectacles given at minimum cost
- Free medicines given



Tailoring & Knitting Training

- Three tailoring machines provided
- Trained 39 women in tailoring
- Two modern knitting machines provided
- Trained 33 women in knitting

Irrigation Project

- 2 high power deep tubewell irrigation plants installed
- Systems covering 50+ acres
- Benefitting 250+ farmers



Drinking Water Project

- Provided 100% certified drinking water to villagers
- 338 families benefitted
- Water pipeline covering approx 10kms in 5 villages

Flood Relief

- Distributed 90 water tents
- Distributed 1/2 week's worth of food to 210 families & free food to 500 people
- Rebuilt the houses of 35 needy families





Corporate Office:

506, Central Plaza, 2/6,
Sarat Bose Road,
Kolkata – 700020. India.

Factory Address :

Sankrail Industrial Park
(Plot No.53), Vill. – Jaladhulagori,
P.O. – Dhulagori,
Bombay Road (NH – 6),
Howrah – 711302. India.