SHIRDI SAI ELECTRICALS LTD

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Telangana-500016, INDIA. Ph: 040-66255266 GST:36AAOCS9992C2ZN CIN: U31401TG2010PLC069777

Kadapa Works — SCAN HERE FOR LOCATION

Naini Works — SCAN HERE FOR LOCATION

Indo tech Transformers — SCAN HERE FOR LOCATION

Indosol Solar — SCAN HERE FOR LOCATION

Shuchi Alloys — SCAN HERE FOR LOCATION

SHIRDI SAI ELECTRICALS LTD

Smart Sustainable Energy

- TRANSFORMERS & REACTORS
- CONDUCTORS
- SOLAR MODULE
- EPC PROJECTS

www.ssel.in

INDEX

Humble Beginning

It all started in the year 1994.

Crippled by regular power shortages, Mr. N Visweswara Reddy, a fresh Graduate Engineer, set up “Shirdi Sai Electricals Ltd” for repair of Transformers in Kadapa. Under his guidance, the small team strived relentless days and nights, to make sure that the farmers had access to good electrical transformers which led to lower power outages due to transformer failure.

The organization under the leadership of Mr. Visweswara Reddy slowly and surely then expanded to other districts and now after 3 decades, Shirdi Sai Electricals Limited (SSEL), has juggernauted into a giant behemoth of state-of-the-art transformer manufacturing.

Shirdi Sai Electricals Limited now operates from 4 state of the art facilities across the Indian subcontinent to churn out quality transformers for the power network both within the country and beyond the borders.

It has also made inroads for setting up one of the largest factories for manufacturing of Solar Modules for Solar Power Generation at Ramayapatnam in Nellore, Andhra Pradesh.

Group Vision

At Shirdi Sai Electricals Limited, the vision is to build a sustainable organization with competency to cater to the emerging needs of Energy sector. We are focused on product and process innovation to comply with and exceed the expectations of clients on sustainable basis.

The demand for energy is set to augment exponentially, supporting the world's economic investment into the future. With wide-ranging experience and expertise, SSEL provides extremely effective solutions that cater to a meticulous ecosystem of energy sector. Our pursuit of excellence, while delivering the best quality output has empowered us to become leading players in the electrical industry Pan India.

Group Mission

We are steadfast on product and process innovation to meet customers expectation on sustainable basis

- Leveraging our competence, experience and expertise for safer, reliable and cost effective solutions
- Investing in People. Technology and Processes
- Lead by action on social responsibility

"Our principles and passion for quality materialize our objectives. Through personnel excellence and product excellence – which inevitably leads to business excellence – and stakeholder contentment, we strive to exceed client expectations and scale new horizons of success."

– N. Visweswara Reddy

CHAIRMAN & MANAGING DIRECTOR

Shirdi Sai Electricals Limited

Kadapa, Andhra Pradesh

Fabrication - Automatic Accessories Cutting

Automatic Top Cover Bending

Automated HV Winding

Tank Fabrication

30 Years of Excellence

Products we offer

Distribution and Medium Voltage Transformers with CRGO and Amorphous Cores (up to 25 MVA, 66 kV Class)
SSEL offers the following Oil* filled Transformers from its Kadapa facilities which has an installed capacity of around 12000 MVA.

A. Distribution Transformers (Pole & Ground Mounted)
- Single Phase Transformers upto 33 kV
- Three Phase Transformers upto 33 kV

B. Power Transformers
- Single Phase Transformers till 3333 kVA, 66 kV Class
- Three Phase Transformers till 25MVA, 132 kV Class

C. Pad Mount Transformers till 5 MVA, 34.5 kV Class
D. Inverter Duty Transformers for Solar Applications
E. Wind Turbine Generator Transformers.

SSEL Kadapa also produces energy efficient Amorphous Core Distribution Transformers. AMDT technology meets energy efficiency norms of several counties such as BEE in India, DOE of USA and MEPS of Australia.

Salient Features

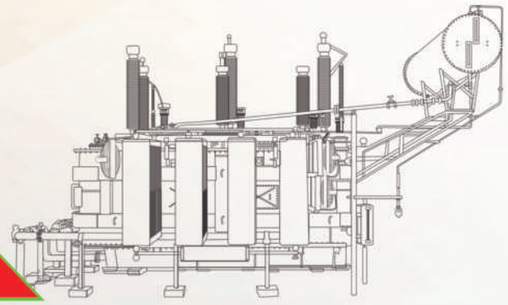
A. Over 700,000 units of transformers are installed across various locations Pan India and globally, which are offered from the Kadapa Unit.
B. All Testing labs are ISO 17025 certified (NABL Accredited)
C. A fully automated, vertically integrated facility with dedicated units for conductor drawing and transformer tank fabrication ensures enhanced efficiency, precision, and seamless production through advanced robotics and real-time monitoring systems.
D. Facility approved with elite clientele of Power Grid Corporation of India, Engineers India Limited, State Power Utilities.
E. SSEL has a 30-year legacy and now exports products to over 40 countries, including the USA, UK, Australia, Poland, and Finland.

*Oil – Both Mineral and Natural Ester Oil Options are available to choose from.

Indo tech Transformers Limited
(A subsidiary of Shirdi Sai Electricals Ltd)
Kancheepuram, Tamilnadu

SSEL has acquired Indo tech Transformers at Tamilnadu in the year 2020 from GE Prolec.
Indotech Transformers, subsidiary of SSEL, has a competitive manufacturing base and skilled workforce of around 450 employees and offers Transformers up to 220 kV Class.

- 49 years of expertise
- Robust Operational Processes
- Strong commitment to quality & reliability
- Experienced & qualified professionals



Salient features of the plant

- Installed capacity of 10,000 MVA
- Test labs accredited with ISO 17025, NABL
- 100% success rate in Short Circuits tested conducted so far
- ISO 9001,14001, 45000 Certified organization
- Recipient of EHS excellence awards for year 2020 and 2021 from CII

Exports

Indotech Transformers has supplied High Voltage Transformers to various nations including Canada, Poland, Australia, Turkey, Vietnam, Indonesia, Bangladesh, Mali, Congo, Ivory Coast, Algeria and multiple other international geographies apart from several installed locations in Indian sub-continent.

Shirdi Sai Electricals Limited

Naini, Prayagraj, Uttar Pradesh

To further augment its EHV manufacturing facilities Shirdi Sai Electricals Limited has acquired Naini operations from GE for manufacturing transformers up to 400 kV Class.
The state-of-the-art facility, with ISO 17025 certified test labs, is spread over 21 acres of real estate with an installed capacity of 17000 MVA.

Product offering from SSEL Naini Includes

- ❖ EHV Transformers upto 500 MVA, 400 kV Class
- ❖ Shunt Reactors upto 125 MVAr, 400 kV Class
- ❖ Special Application Transformers

SSEL Naini has already successfully tested 200 MVA, 400 kV Transformer for Short Circuit for a prestigious client in India.

EHV Transformer

- **EHV Transformers till 500 MVA, 400 kV Class.**
- **Reactors up to 125 MVAr,400 kV Class.**
- **Type Tested 400 kV Class Transformer.**

Indosol Solar Private Limited

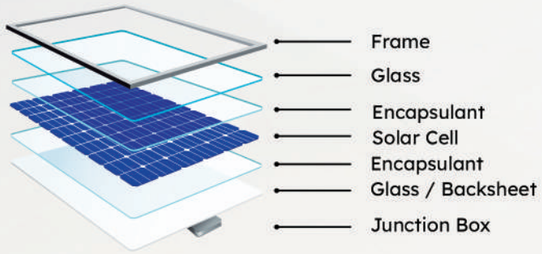
Ramayapatnam, Andhra Pradesh.

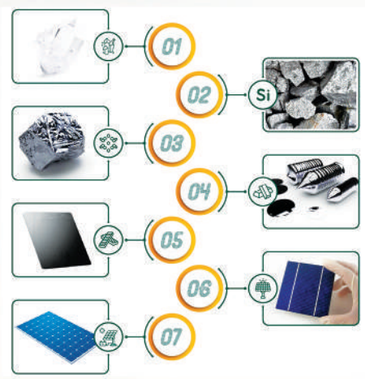
Indosol Solar Pvt. Ltd. was established in 2022 with an objective of emerging as an eminent player in India's solar manufacturing sector. The company is developing a state-of-the-art, 100% vertically integrated Giga-scale Solar PV manufacturing facility, encompassing the entire value chain from quartz to photovoltaic (PV) modules.

Indosol is a recipient of the Production Linked Incentive (PLI) scheme, designed to enhance the domestic production capabilities of integrated solar module manufacturing in India.

The inception of Indosol marks a strategic expansion of Shirdi Sai Electricals Limited (SSEL), one of India's largest transformer manufacturing companies in the energy sector.

Parts Of Solar Pannel





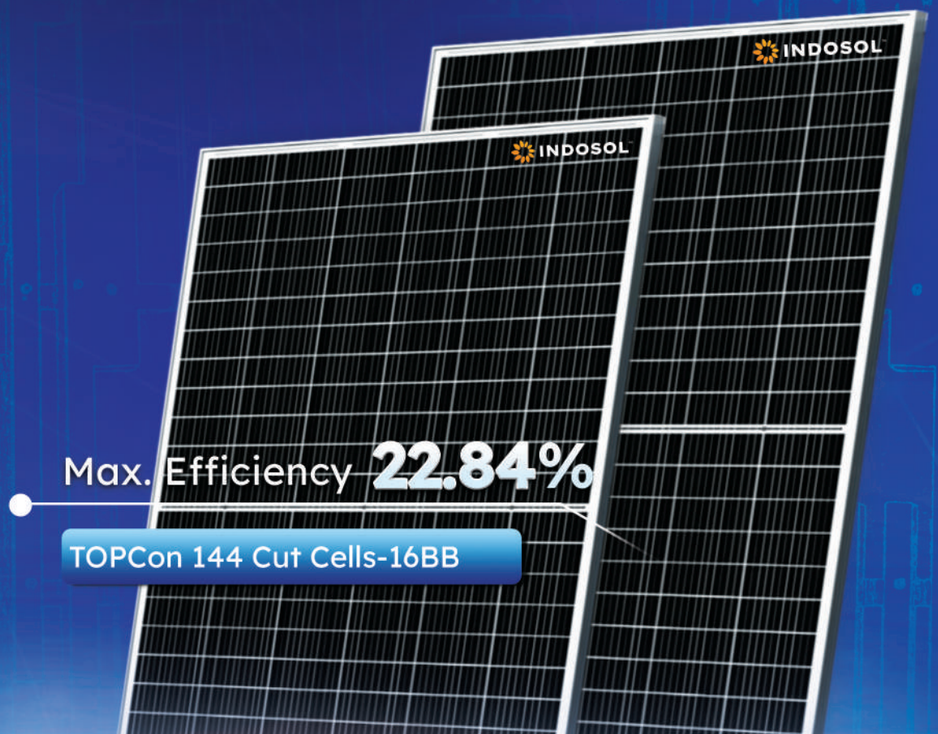
Upstream Production

- Sourcing Quartz
- Producing Metallurgical Grade Silicon and Polysilicon

Downstream Production

- Manufacturing of Ingot, Wafer, Cell, and Module using PERC and TOPCon
- Glass Production
- Ancillary components such as EVA, POE, Aluminum frame

INDOSOL™



Max. Efficiency 22.84%

TOPCon 144 Cut Cells-16BB

590W ISTD3M16BN4590

- Excellent Energy Yield
- High Conversion Efficiency
- Quality Guarantee
- Outstanding Anti-degradation

Your Partner in Smart Sustainable Energy

Shuchi Alloys & Conductors
Kadapa, Andhra Pradesh

Shirdi Sai Electricals has formed Shuchi Alloys and Conductors technologies private limited for producing Transmission line overhead conductors/HTLS conductors/Guy wires and speciality Aluminium Alloy Rods/wires.

The state-of-the-art manufacturing plant has been established in Kadapa and shall primarily offer

1) **EC & Alloy Grade Aluminium Rods & wires.**
2) **Power Transmission Line Overhead Conductors.**
3) **Guy wires / GSW steel wires.**

The Aluminium & Al alloys products cater to diverse industry applications including cables, overhead conductors, hardware fittings and the power industry.

This Rods division will offer:

a) 1XXX Series Aluminum Alloy rods for AAC and ACSR purposes.
b) 2xxx series alloy rods for automobile/ aerospace industry.
c) 5xxx series – mechanical alloys for Hardware fittings and braiding wire applications.
d) 6XXX Series Aluminum Alloy rods for AAAC and AL-59 Conductors and hardware.
e) 8xxxx Series Aluminum Alloy rods essential for building wires, underground cables and more.

In addition to wire rod division, Shuchi alloys will also roll out Power Transmission & Distribution conductors

a) Conventional Conductors such as ACSR, AAAC, AAC and ACAR
b) New Generation Conductors such as AL-59, ACSS, GAP and Composite Core Conductors

Our Expertise

- **Customized Conductors for optimized performance**
- **Precision Alloys built for durability and efficiency**
- **Energy-Efficient Materials that promote sustainability**
- **Eco-Conscious Manufacturing ensuring a greener future**

Rigid Frame Stranding Machine


Ageing Furnace


Tubular Stranding Machine


Rod Breakdown Drawing Machine

AAAC

All Alloy Aluminium Conductors

AL-59

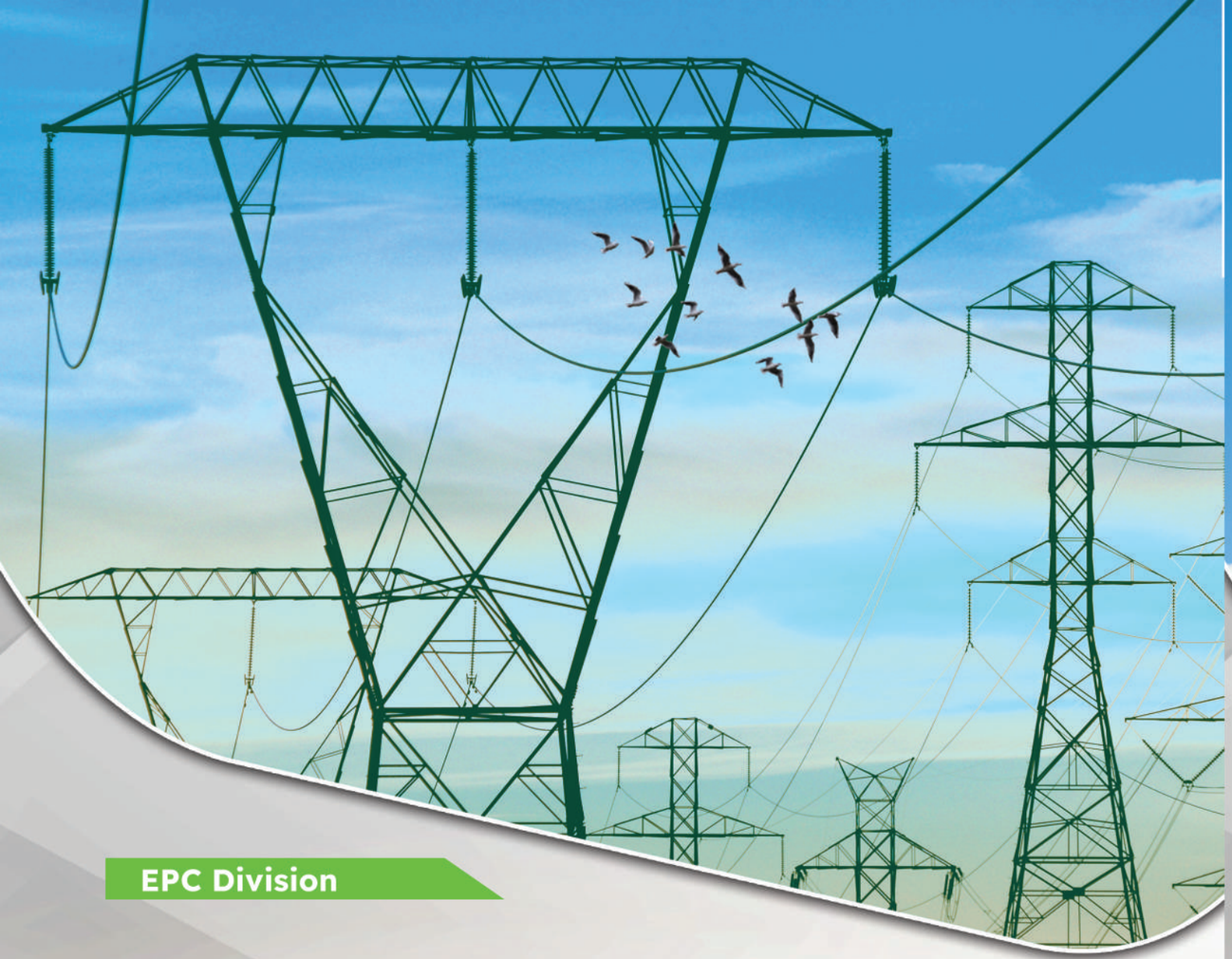
High Conductivity Alloy Conductor

ACSR

Aluminium Conductors Steel Reinforced

AAC

All Aluminium Conductor



EPC Division

The EPC segment of SSE provides end to end solutions from concept to commissioning on turnkey basis for HV Substations & New Lines up to 400 kV level as per IEC or other International Standards.

SSE is the largest player in HVDS (High Voltage Distribution System) Projects. This system is being implemented exclusively for giving supply to agriculture connections on selected 11KV agriculture feeders.

As on date, we have successfully executed more than 200 substations with 150 more in the pipeline in various states of India. It also has to its credit over 150,000 kms of HT and LT line.

Rural Electrification projects marks one of the important portfolios of SSE. Rural electrification is the process of bringing electrical power to rural and remote areas. SSE has executed orders under the Rajiv Gandhi Grameen Viyutikaran Yojana. SSE has electrified remote villages of Orissa, Bihar, Andhra Pradesh & Telangana.

Our Commitment

At SSEL, we are committed to offer and produce products with qualitative attributes. Since inception and with over 3 decades of presence, we have believed in this policy and it is this unwavering commitment to quality which has made SSEL a name to reckon with.

In years to come businesses will be shaped by Climate norms and SSEL has already begun taking relevant steps in this direction. Reduction of greenhouse gases and being aware of our carbon footprints is a priority at SSEL in the way we expand from these levels.

At SSEL Group, we prioritize ESG commitments, setting strategic targets based on global standards. With a focus on carbon reduction, circularity, and a thriving workplace, we strive to positively impact our employees and stakeholders.

Together with our stakeholders we believe that we shall create environmentally sustainable model that shall not only be resilient but also be known for its reliable and cost effective solutions.

Our Key Drivers

"Reliability, Durability and Efficiency" are the three pillars of our existence. We aim to achieve sustainability on all three fronts- economic, environmental and societal. All our products and power solutions are eco friendly with high operational reliability and efficiency.

Our State-of-the-art infrastructure is intended to deliver the best products and services to all stakeholders. At the helm of affairs at SSEL are highly qualified and experienced executives. They lead a committed and skilled team to ensure optimum and prompt solutions at all times.

Cutting-edge technology adopted by SSEL includes laser-edge automated machines ideally suited across all applications for operation, installation and upgrades.

Awards

SSEL is a Two-time Recipient of NATIONAL ENERGY CONSERVATION AWARD - for achievement in Energy Conservation, Conferred by Government of INDIA, for Manufacture of BEE Star labelled Distribution Transformers

National Energy Conservation Award in 2015 – Conferred by Shri Piyush Goyal, Union Minister of New and Renewable Energy

Recognised as One of the Most Trusted Brands of India 2023!

Edition 3

MARKSMEN DAILY MOST TRUSTED BRANDS OF INDIA 3RD EDITION 2023

Recipient of the National Energy Conservation Award in 2022, Conferred by Smt. Droupadi Murmu, Hon'ble President of India - An achievement in Energy Conservation