

# ENERGIZING INDIA





# About Us

## Introduction

Nikola Power Private Limited is one of the India's most trusted and reliable transformer manufacturers in Power and Utility Sector. Wherever, electrical energy is generated, transmitted, and/or distributed, Nikola Power provides power transformation product, services, and solutions tailored to customer needs.

Recognized among leading manufacturers for power and distribution transformers, Nikola Power has indigenously developed and refined its capability to manufacture and supply high-capacity transformers. Our designed transformers of 11 kV, 33 kV & 66 kV are typed tested and short circuit tested as per IEC 60076 and IS 2026 from CPRI.

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**23000 Sq. Yard of  
Works Facility**

**3,000 MVA Annual  
Manufacturing Capacity**

**80 MVA, 132 kV  
Largest Transformer  
Manufactured by us**



# Mission & Vision

## MISSION

- To stand accountable for the outcome of our work, stay true to the words we speak, and deliver beyond customer expectations with the utmost quality and passion.
- To help and support each other, partner with like-minded organizations, and work towards a collective goal
- To be ethical, honest, and transparent in our work and establish trust with colleagues, customers, and the public through our actions and decisions.

## VISION

- To emerge as a preferred solution provider for quality Transformers with a team of dedicated professionals and business associates who are ethical, value driven and create excellent customer relationships
- Our vision is to gain international recognition as a top-tier manufacturer and supplier of specialized high-quality power and distribution transformers, related equipment, and services.

# Meet Our Team

Our core team is dedicated to work in accordance with business ethics, prioritizing customer satisfaction while implementing a strategy of continuous improvement with best-quality products.



**Dr. VD Jindal**  
Managing Director



**Poshetty K Serla**  
Chief Quality Officer



**Rajeev Bhatia**  
Director Marketing



**Rini Jindal**  
Director IT



**Vipul Srivastava**  
Engineering Head



**Amit Kumar**  
Manager Sales



**Nandlal Sinha**  
Manager Purchase



**Babulal Mishra**  
Manager Sampling



**Dipti Chaklanobis**  
Head-Strategy & PR



# Design Philosophy

Over thirty-five years of design experience and computer-aided design tools combine to ensure the quality, reliability and efficiency of our transformers. The design process begins with accessing design data from our database, followed by the generation of alternative core and coil designs and finally the selection of the most optimal design. Many of our transformers have successfully undergone short-circuit tests at the Central Power Research Institute. Transformers are designed as per IS, IEC, ANSI, etc. in line with the customer requirement

## Transformer Special Features

**Hybrid Insulation**  
**Seal Breathing System**  
**Self-Online Filtration Unit**  
**Maintenance Free Transformer**  
**Inverter Duty / Electrostatic Shield Earthing**



# Our Products

- Oil Filled Power and Distribution Transformers up to 80 MVA (11 kV to 132 kV).
- Ester Filled Power and Distribution Transformers up to 80 MVA.
- Dry Type Transformers up to 10 MVA (3.3 to 33 kV Voltage Class).
- Compact Sub Station up to 2.5 MVA, 33 KV Class.
- Inverter Duty Transformer especially for Solar Applications





## Repair / Rewinding and life enhancement including upgradation

We as Nikola Power Design, Manufacture & Supply of diverse range of Distribution & Power Transformers up-to 80 MVA, with 132 kV voltage class especially designed for efficiency, durability, and optimal performance. Nikola Power Transformers cater to power utilities, industries, and infrastructure projects.

### Rewinding

Extending transformer life with high quality rewinding, core refurbishments, and insulation improvements for better reliability.

### Re-furbishment

Ensuring transformer life span by re-furbishing it with hybrid insulation and better class paper insulation.

### Repair

Quick and Efficient transformer repairs, minimizing downtime and ensuring optimal performance without costly replacements.

### Retrofitting

Enhancing Transformer capacity and efficiency by upgrading components, insulation, and cooling systems to meet evolving operational demands.



### Extended Asset Life

Upgrades and refurbishments significantly increase transformer longevity and reliability

### Cost Savings

Enhancements improve efficiency and reduce the need of expensive replacements.

### Performance Optimization

Upgraded transformers deliver better efficiency, less losses, and handle more loads.

### Minimal Downtime

Timely planning and upgradation ensure minimal operational disruptions and save costs.



## Key Manufacturing Facilities inclusive:

- Well-planned raw material movement
- Lifting Crane Capacity up to 150 MT
- Fully functional material testing laboratory
- High-capacity Assembly Stations for Core Erection & Main Tank assembly
- Isostatic pressing arrangement for coil sizing
- Vapor Phase Drying ovens
- Oil filling under vacuum through dedicated vacuum pumping system
- High -capacity vacuum Oil Filter machines
- Process control for limited exposure time during pre-tanking
- Short Blasting Chamber



**Conveyorized Paint with Oven Drying**

**Shot Blasting Chamber**

**CRGO Annealing Furnace**

**Digital OTI and WTI Protections**

**CNC injection Molding Machines**

**In-House Testing Lab**

**Semi-Automatic Winding Section**

**Online Moisture Filtration Unit**

**Vacuum Oven with PLC Control**

**Overhead Cranes**

**In House Mould & Tool workshop**

**Seal Breathing System**



# Field Diagnostic & Condition Assessment of Distribution & Power Transformers

Advanced diagnostic and condition assessment services including but not limited to Partial Discharge, SFRA, DCRM, Thermal Imaging, Dielectric Frequency Response Analysis to; monitor transformer health, detect potential failure, optimize maintenance strategies, ensuring uninterrupted performance, reduced downtime, and extended operational life.

## On-Site Testing

Comprehensive electrical & thermal testing to identify issues in early stage to prevent costly failure and to improve reliability.

## RLA Study

Ensuring transformer life span by conducting RLA studies at site and helping industries to avoid sudden breakdowns.



## Site Overhauling

Enhancing transformer life at site by quick and efficient repair including gasket replacement, sludge removal, CCA Tightness, dehydration & filtration.

## Condition Monitoring

Non-intrusive testing at site to access transformer condition identifying insulation defects, and suggesting condition base monitoring to mitigation operational risks.

IR / PI Megger	Open/Short Circuit	Winding Resistance	Tan-Delta Capacitance	SFRA DPv Value	Noise Analysis	Freq Response Stray Losses
Vector Group	Magnetic Balance	Partial Discharge	DFRA / FDS DIRANA	Thermal Imaging	Vibration Analysis	Protection / Stability Check
DAR Value	Magnetizing Current	Turn/Voltage Ratio	DCRM/OLTC Service	Floating N Voltage	Leakage Attend	Dew Point Measurement



# One Stop Solution for Complete Switchyard Equipment's, Relay's ACB, VCB, SF6, Transformers & Motor.

Nikola Power has a great expertise and providing complete EPC package including, Design, Procurement, Supply, Erection, Testing and Commission of 11/33/132/220 kV Electrical Switchyard.

Moreover, we provide regular maintenance and Testing services after commissioning to ensure uninterrupted performance, reduced downtime, and extended operational life.

## Switchyard Testing

Comprehensive electrical & testing of switchyard equipment's CT, PT, Isolator, LA, SF6 Breakers and TRF to identify issues in early stage to prevent costly failure.

## Breaker Servicing

Ensuring breakers life span by conducting overhauling/ servicing / testing at site and helping industries to avoid sudden breakdowns.



## Motor Testing

Providing One Stop solution for Motor Testing including IR, Tan-Delta, Partial Discharge, Routine Testing and Current Signature Analysis.

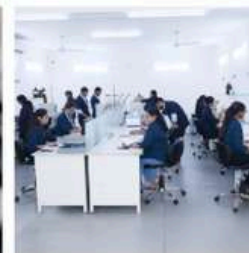
## Relay Testing

Ranging from analog, numerical, over current, earth fault, distance relay, differential protection, motor protection, generator protection relays we provide testing services facility.

IR / PI Megger	Leakage Current	Cable VLF Testing	Differential Relay Testing	Signature Analysis	Panel Testing	Primary Injection
Burden Check	Excitation Curve	ACB / VCB Overhauling	Opening / Closing Time	MF Meter Calibration	Hi-Pot Testing	Distance Relay Protection
Polarity Check	Phase Angle Error	Isolator Alignment	CRM Analysis	Secondary Injection	Harmonic Analysis	SF6 Breaker Analysis

# NABL Accreditation Lab

Under the Name of “Spectrum Diagnostic Laboratory & Research Centre”, we are providing quality and standardized analytical testing services to more than 1000 clients (India & Abroad) in Electrical & Chemical disciplines.



# Laboratory Services

The products covered under laboratory services are in the field of Transformer Oil, Lubricant Oils, Insulating Paper and Water Discipline are as below:



**TRANSFORMER  
MINERAL OIL**



**NATURAL AND  
SYNTHETIC ESTER**



**TRANSFORMER  
SILICONE OIL**



**KRAFT CELLULOSE  
PAPER**



**TURBINE / DG  
LUBRICANT OIL**



**HYDRAULIC / GEAR  
LUBRICANT OIL**



**DRINKING AND  
PACKAGED WATER**



**GROUND / WELL /  
BOREWELL WATER**



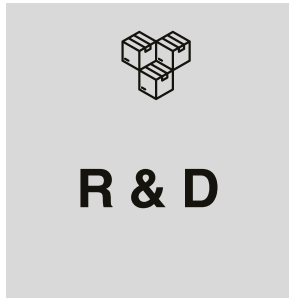
**COOLING TOWER /  
INDUSTRIAL WATER**

# Innovative Solution - R&D

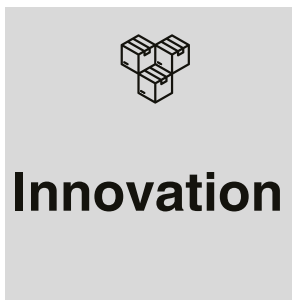
The dedicated team of R&D section including International Level Experts cum Technical Advisors who always remains updated with latest standards, technology, industry norms, and put every possible effort to make each and every transformer a unique, reliable and cost effective.



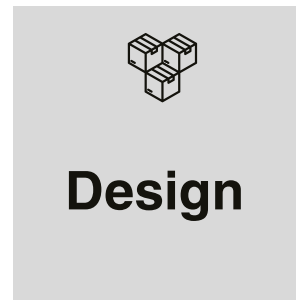
**Dr. Yog Raj Sood**  
Member IEEE, IE, ISTE  
Ph.D. in Engineering



**Dr. Jashandeep Singh**  
Member IEEE, IACSIT  
Ph.D. in Condition Monitoring



**Dr. VD Jindal**  
Member IEEE, BIS, ISTE  
Ph.D. in Transformer RLA



**Dr. M.S. Kharara**  
Member ISTE, AMIE, IAENG  
Ph.D. in Liquid Dielectrics



**Dr. Deepak Garg**  
Ph.D. in Insulating Paper's



**Ms. Riya Gupta**  
Research Scholar



# Shaping Transformer with Innovations & Expertise

Nikola Power has aided software-based designs to meet; customized needs of individual customers, industry-based requirements, and end users of Transformers.



 **Dynamic short Circuit Withstand Capability**

 **Short Duration Overload Capacity**


 **Dynamic Impulse Withstand Capability**

 **Noise & Vibration Reduction**

 **Thermal Withstand Capability**

Application of 3D Modelling for Mechanical Structure:

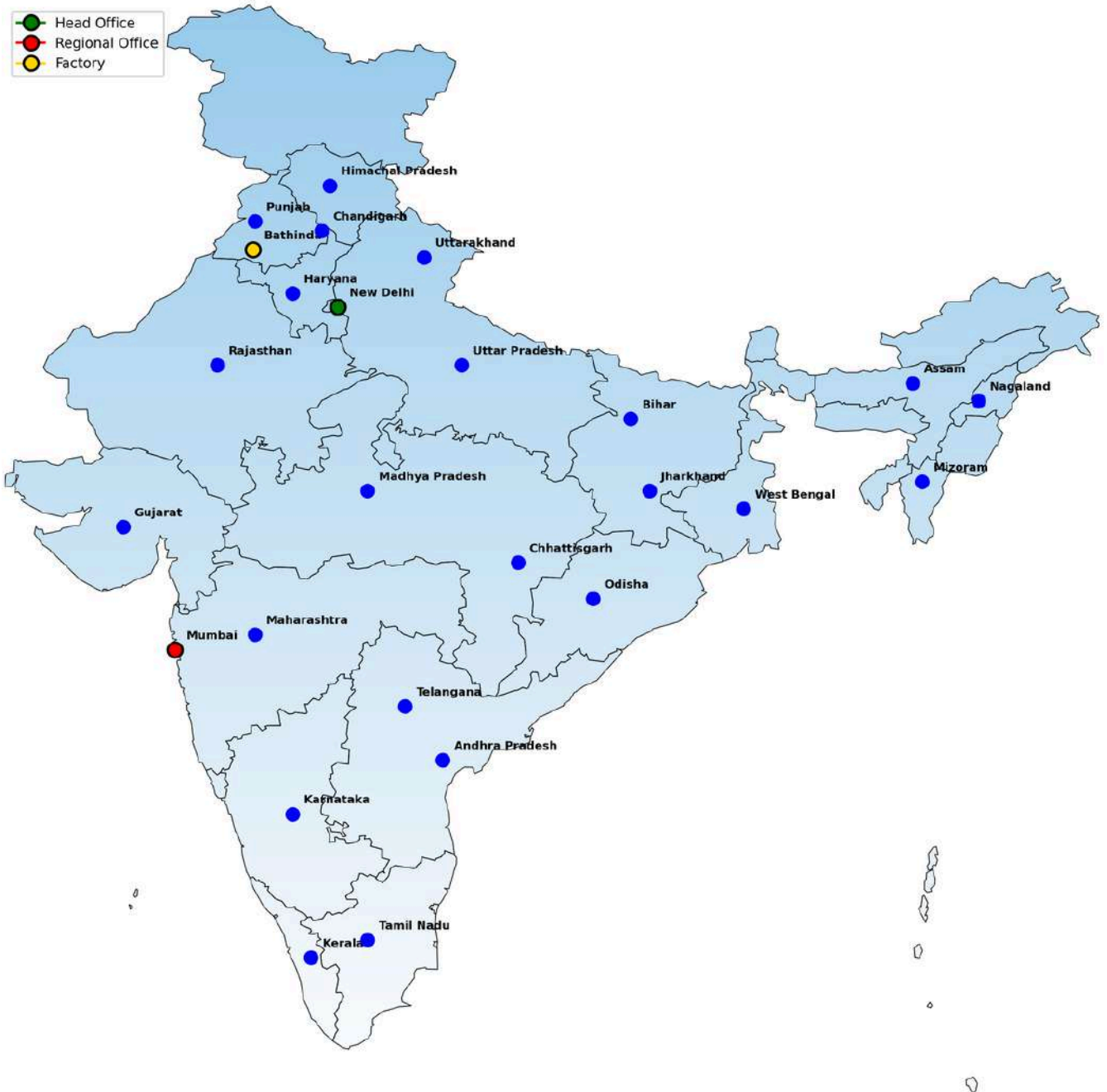
 **Adequate Structural Strength**

 **Eliminates Mechanical Mismatch and Fouling**

**A Seasoned R & D Team delivers reliable, cost-effective transformer solutions.**

# Our Reach

For more than 05 years we have been expanding our presence across the country, with offices in New Delhi, Mumbai and Bathinda (Punjab). Presently we are serving in 22 States and 02 Union Territories of India.







# Our Customer's



**Registered Office**

W-48, PVC Market, Jwalapuri, Paschim Vihar,  
West Delhi-110087, New Delhi  
+91-93110-73901, +91-93118-30500

**Factory / Transformer Manufacturing Works**

A-8, New Focal Point, Dabwali Road  
Bathinda-151001, Punjab  
+91-93110-73900

**Regional Office (Western)**

#C-1/306, Plot no. 15, Sector-22,  
Haware Green Park Sahajeevan (Phase-1) CHS,  
Kamothe, Panvel, Navi Mumbai-410209, Maharashtra  
+91-90046-48368, +91-70211-67844

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