



TESLA ELECTRICAL INDUSTRIES

SS



41-B, B.H.E.L ANCILLARY INDUSTRIAL ESTATE
P.O. HABIBGANJ, BHOPAL – 462024 (M.P.)

COMPANY PROFILE

2022

TESLA



ELECTRICAL is Celebrating **52 YEARS** of

manufacturing: **1970-2022** over many Electrical Testing & Measuring Instruments Caters Priority Sectors:

PSUs, Defense, Steel & Power, Communication, Cable Industries, Railways, Power Generating Plant & Electricity Board etc.



Tesla Electrical Industries :



Complete Testing Solutions For MOTOR, GENERATOR, CAPACITOR, SWITCHGEAR



SPECIALIZATION

Design, Manufacture, Supply, Installation, Testing & Commissioning of

- ❖ Primary Current Injection Source , Light weight modular design / Conventional (AC/DC)
- ❖ AC High Voltage Test Systems up to 500kV
- ❖ AC High Voltage Test Set of high current rating
- ❖ DC High Voltage Test Set
- ❖ Distribution Transformer Test Bench (Manual / Fully automatic)
- ❖ Carbon Resistance Brazing Machines
- ❖ Thyristor Based APFC Panel
- ❖ Core Loop Tester (For Induction & AC Traction Motor)
- ❖ DC Traction Motor Test Set up
- ❖ AC Traction Motor Test Set up (Manual / Fully automatic)
- ❖ Reactors (Fixed & Variable)
- ❖ Rectifiers (Current Ranges – 100A-5000A DC, Voltage Ranges – 5V-3000V DC



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Wel Come Message

Tesla Electrical Industries incorporated in the year 1970, as an ancillary unit of Bharat Heavy Electrical Limited Bhopal. Nikola Tesla a well known name well recognized in field of Electrical Engineering, for his invention like Induction Motor, Tesla coil etc. inspired us to name our organization for a scientist totally devoted for the cause of Electricity. Tesla is pioneer in Design, Manufacture, Testing, Installation & Commissioning of test equipment and special purpose machine for various industrial applications. We have developed our technical capabilities by interacting with BHEL's team for their wide range of requirement in different fields.

CEO's Message

Mr. M.F Siddiqui is the founder partner of this company. He has completed his Engineering in Electrical & joined his own 40 Years old family business, M/s Tesla Electrical Industries at Bhopal, manufacturing many customized product. He is engaged in line of Electrical products since a very young age. He is well qualified and has a vast experience in this business. Basically he is Electrical Engineer but having good command in Mechanical Engineering concept also , this is the reason he has provided import substitution of machines to BHEL. He is looking after overall business matters of the company and also participates actively in the management of the company.

Why Tesla Electrical ?

- ❖ We are a customer-oriented organization focusing on offering highly consistent and effectual products to our customers. Our manufacturing and packaging representatives work with each other in close association to provide our valued customers particular products as per their necessities and needs. We also make sure to provide all the products in bulk and urgent orders are dispatched to the consumers within the given time frame. Our complete range is manufactured using supreme quality raw material which is acquired from the trusted supplier of the market.
- ❖ We are quality-oriented organization that strives hard to offer a flawless range of Electrical Testing Equipment such as High Voltage Testers, Current Injection Source, Reactors, etc. Our offered range of products is renowned as these are manufactured in compliance with set industry standards using quality raw material. Further, we also keep a close eye on entire fabrication process and develop these products using hi-tech machines and tools.



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Our Strengths

We have been able to garner a huge customer base in the national and international markets due to our customer-centric approach. Over the years, our client retention policies have earned us repeated orders from our clients and given us an edge above our closest competitors in the industry. Our endeavor is directed towards offering optimum range within the stipulated time frame to our clients.

- ❖ Industry leading prices
- ❖ Durable products
- ❖ Safe and innovative products
- ❖ Customization facility
- ❖ Strong infrastructural backing
- ❖ Ability to manufacture & deliver products in short lead times
- ❖ Engineering & Research institution
- ❖ Expedite delivery

Quality Standards

We are a quality-oriented organization that strives hard to offer a flawless range of Electrical Testing Equipment such as High Voltage Testers, Current Injection Source, Reactors, etc. Our offered range of products is renowned as these are manufactured in compliance with set industry standards using quality raw material. Further, we also keep a close eye on the entire fabrication process and develop these products using hi-tech machines and tools.

Our quality controllers also conduct stringent checks on our entire range on the following parameters:

- ❖ Dimensional accuracy
- ❖ Corrosion resistance
- ❖ Easy installation & Maintenance
- ❖ Reliability
- ❖ Accessibility of Components

Our USP

- ❖ Experienced R & D Team
- ❖ Total Quality Management
- ❖ Provide Customized solutions
- ❖ Large production Capacity
- ❖ Complete Testing Facility



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Customer Satisfaction

We are a customer-oriented organization focusing on offering highly consistent and effectual products to our customers. Our manufacturing and packaging representatives work with each other in close association to provide our valued customers particular products as per their necessities and needs. We also make sure to provide all the products in bulk and urgent orders are dispatched to the consumers within the given time frame. Our complete range is manufactured using supreme quality raw material which is acquired from the trusted supplier of the market.

Industries We Serve

We are engaged in offering the customers premium quality Instrument like Testing Instrument, Calibration Instrument and other Instruments, which are sourced from trustworthy vendors of the market. These are presented to the customers after stringent tests on defined parameters Due to their efficient performance, longer service life and compact design these are extensively demanded by various Industries.

Our products cater to the requirements of:

- ❖ Motor Manufacturing Industries
- ❖ Generator Manufacturing Industries
- ❖ Switchgear Manufacturing Industries
- ❖ Railways
- ❖ Engineering & Research Institutions
- ❖ Power Industries like BHEL, POWERGRID, NTPC, ELECTRICITY BOARDS, CPRI, ERDA, ONGC etc.

Our Vision

Be Fast:– The quickest response time in the industry

Be Global:– A diversified , multi-national customer and supplier base

Be Connected:– Connecting people, businesses and communities to a better future.

Our Mission

To provide our customers with valued electrical solutions using our expertise in the design. manufacture and installation of electrical testing & measuring equipments.



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PRODUCTS

PRIMARY / SECONDARY CURRENT INJECTION TEST SET



Primary Current Inj. Test kit



Secondary Current Inj. Test kit

HIGH VOLTAGE TEST SET



Control & Metering Panel



H.V. Transformer-1



H.V. Transformer-2



Complete System



Variable Auto Trf.



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**Core Loop Tester
For Traction & Induction Motor**



Resistance Brazing Machine-1



Resistance Brazing Machine-2



Transformer Test Bench-1



Transformer Test Bench-2



ACB/VCB Endurance Tester



Reactor (Variable & Fix)



Thyristor Based APFC Panel



Traction Motor Test Set up



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PROJECTS AT A GLANCE



High Voltage Transformer Testing

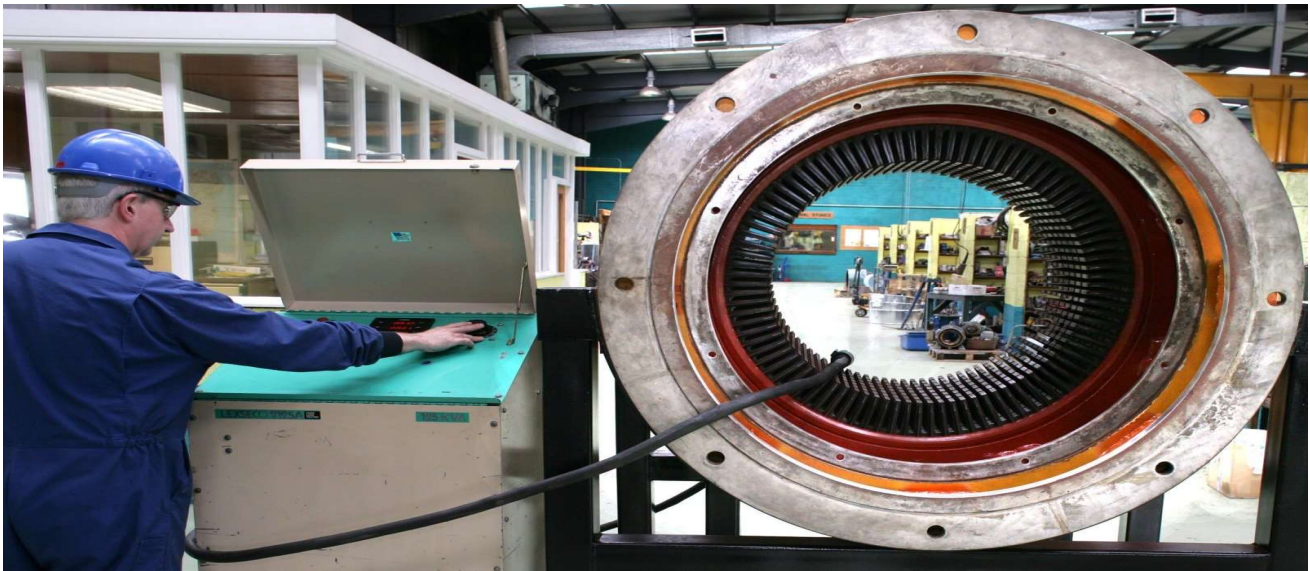


Primary Current Injection Test Systems



Transformer Test Bench





Core Loop Testing



Railway Traction Motor Testing



HV Test for Power transformer



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SITE SERVICES

- ❖ AC High voltage testing of Thermal Generators up to 800 MW & AC Hydro Generators up to 250 MW in all over India
- ❖ Core Loop / Core Flux testing of Thermal & Hydro Stator at site in all over India

SITE TESTING FACILITIES

We provide AC High Voltage Testing on Thermal Generator 800 MW, Hydro Generator 225 MW at site for final testing as well as at stage testing . We also provide HV Test Kit on rental basis during repairing or assembly of new generator at site for the full period as per requirement. We perform AC HV testing on generator's having higher capacitance means high leakage currents at power frequency. We have full rating of reactors with us to compensate the reactive kVAR and so as to limit input current less than 40 A also. We have trained and well experienced team of site engineers to perform HV test at site on Thermal & Hydro generators.

Details of Testing Equipment/Instruments /Facilities are available with us for Site Services :

- AC HV Test Kit 50 kV, 6.0 A with compensating reactor for full rating input current max. 100 A, Make-TESLA
- AC HV Test Kit 40 kV, 6.0 A Fully Automatic Compensation type, max. input current 60 A at full rating, Make-TESLA
- AC HV Test Kit 40 kV, 3.0 A Fully Automatic Compensation type, max. input current 30 A at full rating, Make-TESLA
- AC HV Test Kit 50 kV, 200 mA, Make-TESLA
- AC HV Test Kit 80 kV, 300 mA, Make-TESLA
- DC HV Test Kit 70 kV, 5 mA, Portable type, Make-TESLA
- DC Source 0-18 V, 400 A Make-TESLA
- DC Source 0-5 V, 750 A Make-TESLA
- AC Current Injection Source 0-12 V, 500 A, Make-TESLA
- AC Current Injection Source 0-6 V, 1000 A, Make-TESLA
- Precision Type 5 1/2 Digit Multi Meter, resolution 0.001 mV DC, Make-HP
- Insulation Tester 5 kV, Make- Kyoritsu
- Core Loop Test facility (Hot Spot) at site as per requirement



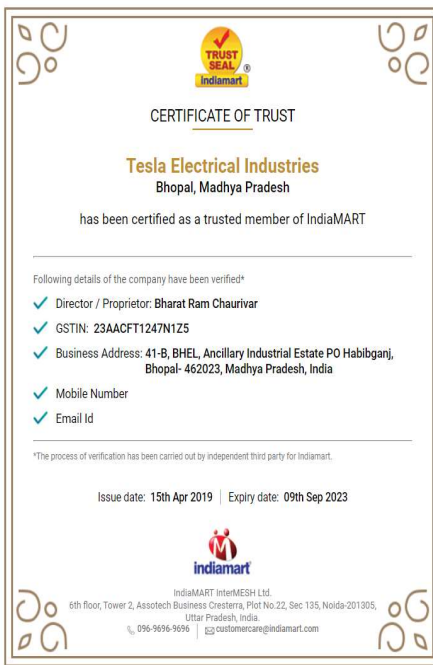
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Basic Information

Name Of Organization	TESLA ELECTRICAL INDUSTRIES
Nature Of Business	Manufacturer
Additional Business	Exporter, Supplier & Service Provider
Company CEO	Mr. M.F Siddiqui
Registered Address	41-B, B.H.E.L Ancillary Industrial Estate, P.O. Habibganj, Bhopal-462024 (M.P)
Year Of Establishment	1970
Standards & Quality Certifications	NSIC Registration Number: NSIC/BPL/GP/T-43/2017-18/1483
Udyam Registration Number	UDYAM-MP-10-0009009
Legal Status Of Firm	Partnership
Top Export Countries	Syria, Saudi Arabia, Dubai, Nepal, Bhutan, Tanzania
GST IN	23AACFT1247N1Z5
PAN NO	AACFT1247N



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Our Valued Customers



केन्द्रीय विद्युत अनुसंधान संस्थान
(विद्युत मंत्रालय भारत सरकार के अधीन स्वायत्त सोसाइटी)
Central Power Research Institute
(An autonomous society under Ministry of Power, Govt. of India)



Uttar Pradesh Power Transmission Corporation Limited
A Uttar Pradesh Government Undertaking



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For More Information...



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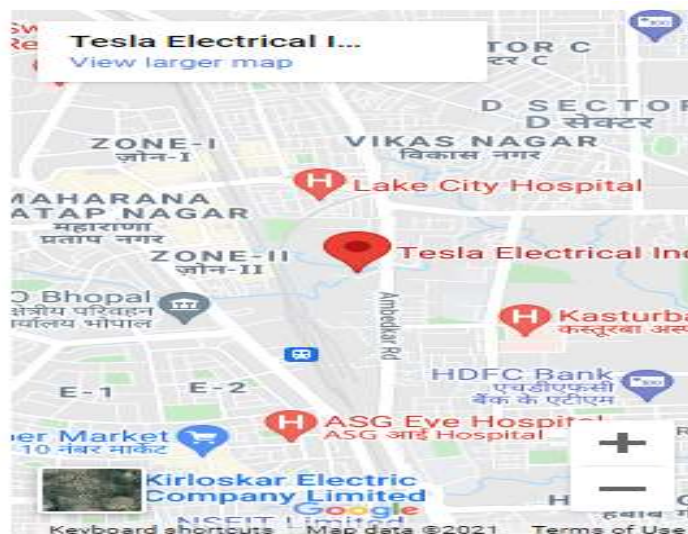
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