



tesla
Transformers (India) Ltd.





Manufacturing Unit 1
Tesla Transformers (India) Ltd. (Power Transformer Division)



Manufacturing Unit 2
Tesla Power Equipments & Projects (P) Ltd. (Distribution Transformer Division)



Manufacturing Unit 3 (IDT + Distribution)

tesla group

Tesla Transformers were established in the year, 1972

Tesla Started its export business in 1994 with first export to Bangladesh.

We have supplied to over 30 countries throughout the globe covering mostly Asia, Africa, America, Australia & Europe with installation of over 10,000 transformers overseas & more than 250,000 installations in India. We are one of the top 15 private sector companies in India.

Our Design & R&D department is having highly qualified Engineers equipped with newest 3-D & design simulation packages.

Tesla Group is a multi product and service organisation in the Electrical Power sector dealing in manufacturing, supplying, erecting, testing of distribution & power transformers and complete substations as turnkey project, with credibility over the past 50 years. Owing to adherence to international Quality norms and customer services, TESLA Group has an excellent brand image and is ISO-9001, 14001 & 45001 Certified. TESLA Headquarters are in Bhopal (India) and it has marketing network all over India, Asia, Africa, America, Australia and Europe.

OUR MISSION

Our mission is to profitably meet the needs of our customers through Focused, Innovative, High Quality products accompanied by the best customer service in our industry while being recognized as a trusted, reliable supplier and employer achieving steady growth by retaining our customers and discovering new business opportunities

OUR VISION

Our vision is to become a world class Organization and to manufacture world class equipments with total focus on customer satisfaction.

tesla

our activity cover



50 MVA 132 KV Power Transformer Installed at 30MW Solar Power Project, Ahmednagar



50 MVA, 220 KV Power Transformer

- Manufacturing & Repairing of power Transformers, Distribution Transformers and Special transformers up to 200 MVA 220 KV.
- Project Engineering and Management Division (PEMD) to execute turnkey project up to 400/765 KV.
- Exports Transformers and other substation equipments including turnkey execution .

Tesla Power & Distribution transformers have established their place in wide cross section of Indian market covering Electrical Utilities, Govt. owned service providers and private companies. Tesla is now getting established in global market having already supplied Electrical power equipments to countries across the Globe. Tesla Project Engineering and Management Division (PEMD) has executed several turnkey project up to 400 KV. Tesla is ready to meet all your electrical design, equipment supply and project execution requirements up to 400/765 KV class. Tesla has got adequate manufacturing & testing facilities. The Company is having a well organized R & D and Q.C. department with qualified and experienced Engineers. The company have adequate service network for effective after sales service through its various service centres.



Transformer Division

Project Engineering & Management Division

Export Division

Tesla make conventional bolted/sealed type hermetically sealed unitized transformers, dry type indoor & outdoor type, pole/ platform mounted 3 phase, 50/60 Hz, oil immersed, ONAN/ONAF/OFAF cooled, step up /step down double wound with Al/Cu conductor continuous duty transformers from 25 KVA to 200 MVA 220 KV class with 'A' class insulation and designed to withstand Short Circuit and Impulse Test in accordance with IEC/BS/ANSI/IS/NEMA/SABS. Tesla make transformers are type tested at internationally accredited testing laboratories like **KEMA Netherland**, **CPRI India**, **ERDA India** etc. as per relevant ANSI/IEC/BS/IS standards.

transformers





70 MVA 132 KV Class Power Transformer

Tesla manufactures wide range of distribution and power transformers ranging from 25 KVA to 200 MVA with voltage class of 220 KV maximum. These transformers can be free breathing type, fitted with a conservator or hermetically sealed. The liquid filled range can be cooled by either tank mounted plate radiators or by corrugations on the side of their tank. Free breathing units with or without conservators are normally oil filled while hermetically sealed transformers can be filled either with oil or one of the several low flammable synthetic fluids. Both types can be supplied with HV and LV switchgear, incorporated in to substations. Hermetically sealed transformers are totally maintenance free and are particularly suited for use in exposed outdoor environments such as moisture, salt or dust laden atmospheres. They are used extensively in chemical plants, oil and gas terminals where poor accessibility makes regular maintenance impractical. Transformers immersed in synthetic coolants are suitable for indoors with adequate ventilation near load center where oil would not be considered environmentally acceptable.

The high quality Standard setup by the company are appreciated by our customers in India and Abroad, Standards which are applied to development, manufacturing, installing and commissioning of power transformers for power stations, special purpose transformers for industry fields, reactors and accessories. Our two manufacturing facilities are located in Bhopal. Power transformers up to 200 MVA 220 KV Class are regularly manufactured and supplied.

Tesla has set up a complete Quality Management System (QMS) to offer the highest customer satisfaction. Maintaining quality in engineering, manufacturing, sales and services is of the highest priority for Tesla. The Tesla Quality Program (TQP) is based on the philosophy of prevention and not just on the detection and correction of problems after they occur.

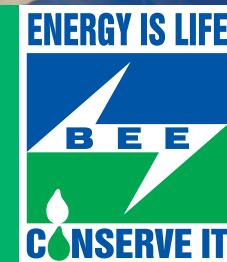
Tesla is equipped to manufacture transformers with a wide range of internationally recognized standards such as:

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">■ IEC (International Electro Technical Commission)■ ANSI (American National Standard Institution)■ Bureau of Indian Standards■ IS (Indian Standards) | <ul style="list-style-type: none">■ ESKOM Standards■ SESCO Standards■ SABS Standards■ BS (British Standards) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|





energy
efficient
transformers
BIS level



Electricity is one of the most vital infrastructure inputs for economic development of a country. The demand for electricity is enormous and is growing steadily. This growth has been slower than country's economic growth. To balance this demand and supply of electricity, it is the time for electric utilities to go for energy efficient electrical equipment for huge savings as this would be utilized for future needs.

Tesla Transformers (India) Ltd. is one of the few/first units manufacturing energy efficient transformers in India. We have supplied more than 25000 units of various rating energy efficient transformers to electrical utilities in India.



Energy efficient transformers are rated as 3 star, 4 star or 5 star rating. In energy efficient transformers we guarantee individually the no-load loss and load loss without any positive tolerance at 50% and 100% load condition (at rated voltage and frequency and at 75°C).

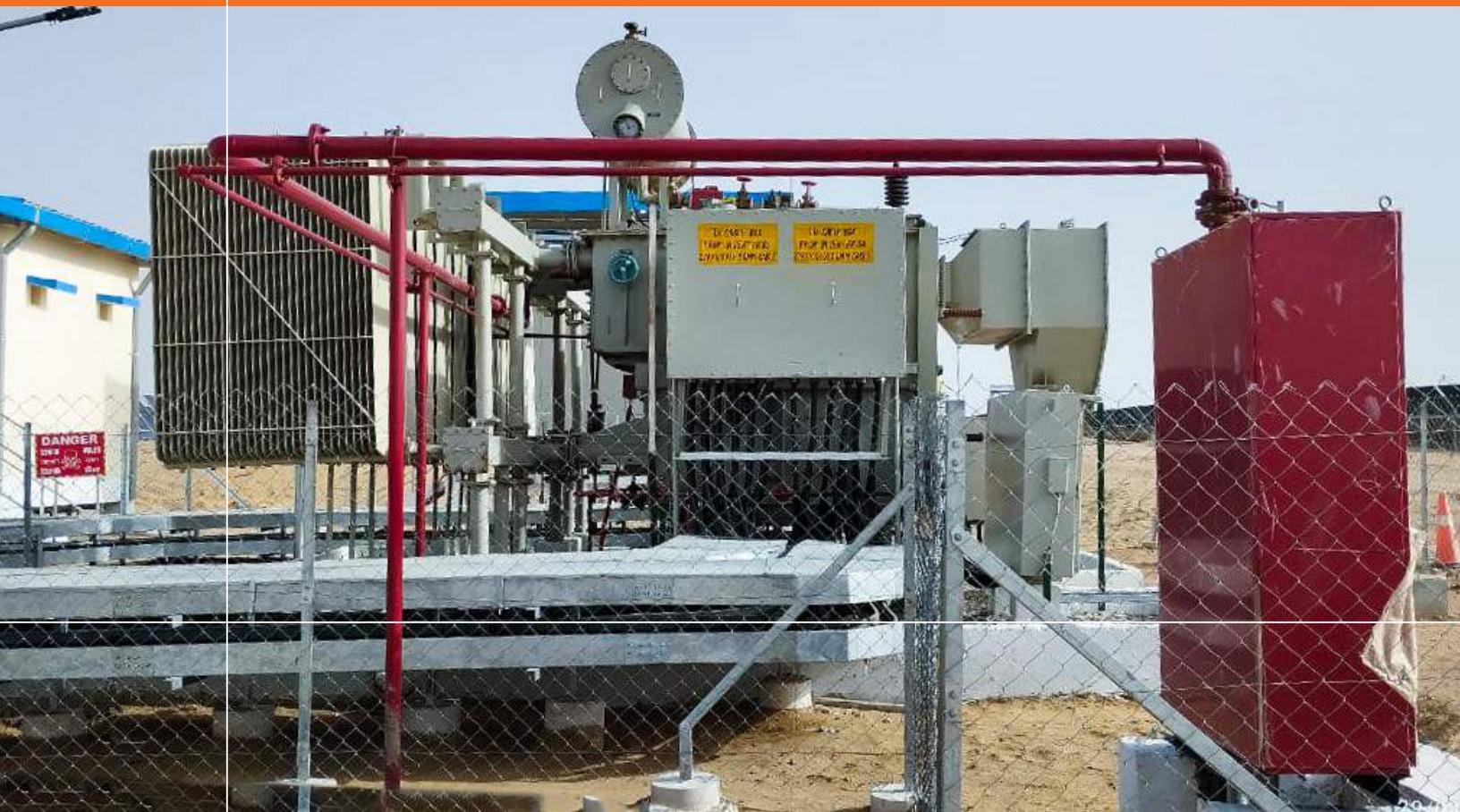
The maximum allowable losses at rated voltage and rated frequency permitted at 75°C for distribution transformers can be chosen from the values of 3 star, 4 star or 5 star rating for transformers. No positive tolerance shall be allowed on the maximum losses displayed on the label for both 50% and 100% loading values.

BIS ENERGY EFFICIENCY CHART

Maximum Total Losses Upto 11kV Class Transformers								
SI No.	Rating (kVA)	Impedance (Percent)	Maximum Total Loss (W)					
			Energy Efficiency Level 1		Energy Efficiency Level 2		Energy Efficiency Level 3	
			50% Load	100% Load	50% Load	100% Load	50% Load	100% Load
1	6.3	4.0	53	245	48	225	42	205
2	10	4.5	72	270	65	240	58	215
3	16	4.5	150	480	135	440	120	400
4	20	4.5	175	575	160	525	145	485
5	25	4.5	210	695	190	635	175	595
6	40	4.5	277	914	249	834	224	774
7	63	4.5	380	1250	340	1140	300	1050
8	100	4.5	520	1800	475	1650	435	1500
9	160	4.5	770	2200	670	1950	570	1700
10	200	4.5	890	2700	780	2300	670	2100

Maximum Total Losses Upto 11kV Class Transformers								
SI No.	Rating (kVA)	Impedance (Percent)	Maximum Total Loss (W)					
			Energy Efficiency Level 1		Energy Efficiency Level 2		Energy Efficiency Level 3	
			50% Load	100% Load	50% Load	100% Load	50% Load	100% Load
1	250	4.50	1050	3150	980	2930	920	2700
2	315	4.50	1100	3275	1025	3100	955	2750
3	400	4.50	1300	3875	1225	3450	1150	3330
4	500	4.50	1600	4750	1510	4300	1430	4100
5	630	4.50	2000	5855	1860	5300	1745	4850
6	800	5.00	2459	7300	2287	6402	2147	5837
7	1000	5.00	3000	9000	2790	7700	2620	7000
8	1250	5.00	3600	10750	3300	9200	3220	8400
9	1600	6.25	4500	13500	4200	11800	3970	11300
10	2000	6.25	5400	17000	5050	15000	4790	14100
11	2500	6.25	6500	20000	6150	18500	5900	17500

solar application transformers



What are Solar Transformers?

Transformers are critical components in solar energy production and distribution. Historically, transformers have “stepped-up” or “stepped-down” energy from non-renewable sources. There are different types of solar transformers including distribution, substation, pad mounted and grounding. All solar transformers have specialized needs that impact costs. Normally these type of transformers are accommodated by devices that measure heat related volume variations. Gas cushion is used to compensate the volume variation due to heat. Normally the gas is nitrogen. This gas is thermally uncoupled from the dielectric liquid.



Solar Applications

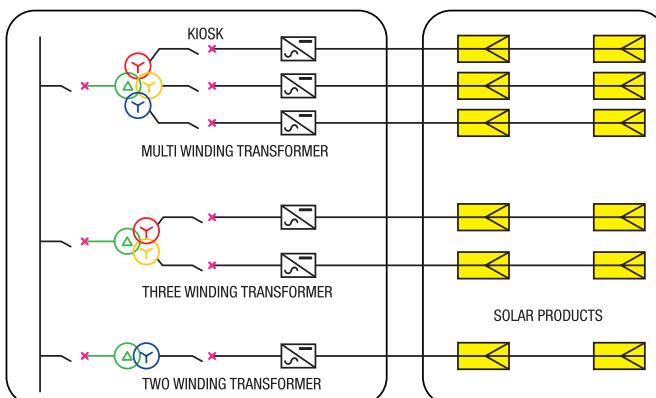
Tesla understands the needs of the solar developers and has successfully designed and shipped transformers for power distribution applications in a solar farm using PV modules in India and throughout Asia-Africa continental. We have been successfully meeting the stringent specifications of customers and have a design which precisely fits these applications. The transformers are specially designed with low losses but high efficiency standards to meet the industry's stringent demands.

Short Circuit Report of 2 MVA Multi Winding Transformer

CENTRAL POWER RESEARCH INSTITUTE RIVERSIDE TEST LAB & DEVELOPMENT STATION ELECTRICAL DEPARTMENT		8 JAN 2018
TEST REPORT NO. 02 SUBMITTED BY: TESLA ENERGY PRIVATE LIMITED TESTED BY: S. RAVI KUMAR TESTED ON: 08/01/2018 TESTED AT: C.P.R.I., RIVERSIDE TEST LAB & DEVELOPMENT STATION TESTED BY: S. RAVI KUMAR TESTED ON: 08/01/2018 TESTED AT: C.P.R.I., RIVERSIDE TEST LAB & DEVELOPMENT STATION		TEST REPORT NO. 02 SUBMITTED BY: TESLA ENERGY PRIVATE LIMITED TESTED BY: S. RAVI KUMAR TESTED ON: 08/01/2018 TESTED AT: C.P.R.I., RIVERSIDE TEST LAB & DEVELOPMENT STATION TESTED BY: S. RAVI KUMAR TESTED ON: 08/01/2018 TESTED AT: C.P.R.I., RIVERSIDE TEST LAB & DEVELOPMENT STATION
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Features of Solar Transformers

- Rating upto 12.5 MVA
- HV Voltage 11, 22 & 33 or as per customer requirement.
- LV Voltage - 0.30, 0.38, 0.420, 0.433, 0.750, 1.05, 6.6 or as per customer requirement.
- Vector Group - Dy11Y11, Dy11, Y11y11, Dy5y5y5 or as per customer requirement.
- Voltage step-up from the inverter output to the MV feeding network.
- Galvanic isolation between the solar inverter and the feeding network.
- High mechanical strength LV winding comprise of two windings made of aluminium or copper both connected in wye (Y) with or without neutral point.
- Natural or air forced cooling system.
- Robust and oil tight mechanical construction with customised overall dimensions.
- High quality surface protection.
- Protection & monitoring with devices that offer oil level indication, gas detection, pressure and temperature control.



tesla

dry type transformers





Dry type Transformers, class 'H' & 'C' insulated, have insulating materials which are with high dielectric strength and are capable to withstand high temperatures. These transformers are generally made to comply with IEC 60076 and Range up to 3000 and 33 KV class. Design Conforms to IS 2026 / 11171, IEC 76/726 and other international standards.

Key Features & Benefits

- High Quality at Low Cost
- Flexibility of Design
- Use of non-biodegradable materials makes these suitable for strict environmental conditions.
- No fire or explosion hazards because of use of nonflammable materials and absence of any liquid insulation.
- Non-requirement of oil sump makes these ideally suitable for installation near load centers thus reducing cabling costs and improving voltage regulation.
- Zero Maintenance:
 - > Drastically reduced maintenance and cleaner looks because of absence of any insulating liquid.
 - > A lifecycle analysis would reveal the cost-effectiveness of Dry type transformers in the long run though these require higher initial cost.
 - > Easy handling and access to active parts for inspection.
 - > The Dry type transformers are designed for required BIL values and are tested for dynamic short circuit.



Available Versions

- Open type execution for installation in an existing panel or enclosure.
- Well ventilated enclosure with lip-cut louvers & baffles for outdoor installation.
- Non ventilated enclosure for outdoor installation.



Specifications

- 100 KVA to 3000 KVA
- Vacuum Pressure impregnated & Cast Resin Type Distribution Transformers
- Nitrogen filled VPI Dry Type Transformers
- 3 Phase, 50 Hz,
- 11/0.433, 22/0.433, 33/0.433 KV & as per customer requirement.
- Off Circuit Tap Links to provide +5%
to -5% taps in steps of 2.5%
- On Load Tap Changer to provide +5%
to -15% taps in steps of 1.25%
- Vector group Dyn11
- Copper Wound
- Class F/H/C Insulated
- HV Side Cable Box
- LV Side Cable Box / Bus Duct
- Standard Fittings as per IS / IEC Standards





unitised
package
sub-station
(USS)

“Tesla supplied 2500 KVA 33/0.433 KV USS with Cast Resin Transformer and GIS installed at Aura Mall Bhopal”



Unitised Package Sub-Station (USS)

Unitized Package Substation (USS) is used for feeding power from high voltage to low voltage in open cast mines, construction sites, metro cities etc. The substation is compact in size, suitable for frequent shifting and for use in indoor / outdoor locations. The substation is installed and mounted on skid frame or wheels or channels and is provided with lifting hooks

Salient Features

- Easy to operate, safe.
- Compact portable & ready to install
- Designed for better cooling
- All fasteners are SS/Steel Zinc plated.
- Transformer dry type or oil cooled
- Low maintenance
- Customer made design
- Superior aesthetics
- All compartments are provided with illumination
- In accordance with IEC 62271 , IEC 1331
- Suitable for all weathers



VIEW OF USS FROM LT COMPARTMENT SIDE

Design Combinations

HT COMPARTMENT

- Ring Main Unit
- Vacuum Circuit Breaker
- Load Break Switches
- SCADA Interface

TRANSFORMER COMPARTMENT

- Oil Cooled Transformer or Cast Resin dry type or VPI dry type
- Low losses design
- Corrugated tank
- Tap changer

LT COMPARTMENT

- Air circuit breaker
- Molded case circuit breaker
- Fuse units
- Fuses
- Metering with SCADA option



VIEW OF USS FROM HT COMPARTMENT SIDE

Other combination also possible as per requirements

production & quality control



Vacuum Pressure Dryer (VPD) Plant



What prevails at tesla is a continuos urge to stay ahead, preserve, innovate and make a qualitative difference through sincere efforts. It is this overriding commitment that has seen the company mile ahead of others. At Tesla, the distinguishing feature is better and assured quality. A series of stringent quality control tests endow the tesla transformer with operational reliability and long life. The intermediary and final inspection comprise of a large numbers of test in accordance with national & international standards like IS -2026, BS-171, and IEC -76, using precision grade instruments.

Test reports are supplied along with the transformers. The vindication of Company's merits is also reflected in it being one of the very few transformer manufacturers in India to have secured ISO 9001 Quality Certification From ANSI-RAB, USA. This internationally acknowledged quality assurance system ensures manufacture and supply of products conforming to specified customer requirements along with continuos improvement in quality & performance. The Company takes extra care to ensure timely delivery once an order is placed and a qualified team of engineers provide efficient after sales services.



Setting high Standards as a consistent guarantee of the highest quality the company have achieved ISO 9001, 14001 & OHSAS 18001 certification for all its transformers. Regular internal and external quality audits ensure full and continuos conformity with the international standards. The company's material and components suppliers are also required to satisfy these ISO standards.

Quality control checks are carried out at each stage of production on a self-assessment basic. Each employee regards the next workstation as his customer and performs a series of quality checks before passing on a product down the line. The quality development department monitors all quality control documents and carries out its own additional inspection at strategic points in the production process. This system of checks and counter checks allows immediate action to be taken and modification to be made as required. All transformer tanks are tested before being released to the customer. Testing includes leakage test and pressure test.



tesla



I
testing

NABL approved testing lab

Testing facilities available as per
IEC:60076 / IS:2026 Standards



ROUTINE TESTS

- Measurement of voltage ratio and check of phase displacement
- Separate-source AC withstand voltage test (applied voltage)
- Induced AC over voltage withstand test
- Measurement of no load loss and current
- Measurement of winding resistance
- Measurement of impedance voltage, short-circuit impedance and load loss
- Partial discharge measurement (At third party laboratory)
- Function- and insulation test of control wiring, auxiliary operation, tests on on-load tap changers, where appropriate

TYPE TESTS

- Lightning impulse (LI) test
- Temperature-rise test

SPECIAL TESTS

- Determination of sounds levels
- Measurement of zero-sequence impedance(s) on three-phase transformers
- Measurement of the harmonics of the no-load current
- Measurement of insulation resistance to earth of the windings, and between the windings



TRANSFORMER TESTING LABORATORY																																					
One of the leading transformer manufacturers in India.																																					
Established in 1972.																																					
Head Office: Sector-B, Industrial Area, Bhopal, Madhya Pradesh - 462010.																																					
Phone: +91 755 222 2000 Fax: +91 755 222 2001 Email: info@tesla-india.com																																					
Website: www.tesla-india.com																																					
IMPAULSE TEST REPORT																																					
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<p>Lightning Impulse Voltage withstand for all Phases of the transformer at 10.5KV & 1KV Impulse 10.5 KV and all phases of LV to ground 1KV Impulse 10.5 KV and all phases of LV to ground 1KV</p> <p>Result: From the above series of electrical switching records, it is concluded that the transformer IECN/IEC/EN/IEC 60076-2-16 is in accordance with the requirement of the above mentioned standard with respect to the above test.</p> <p>Tested by: Tested by: A. Venkateswaran. Report No.: TC-7653. Date: 20/03/2013.</p>																																					

50 MVA 132 KV LIMP Test Report

National Accreditation Board for Testing and Calibration Laboratories	
CERTIFICATE OF ACCREDITATION	
TRANSFORMER TESTING LABORATORY TESLA TRANSFORMERS INDIA LTD	
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 3-A SECTOR-B INDUSTRIAL AREA, BHOPAL, MADHYA PRADESH, INDIA in the field of TESTING	
Certificate Number: TC-7653 Issue Date: 27/12/2011 Valid Until: 26/12/2023	
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 view the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)	
Name of Legal Identity : TESLA TRANSFORMERS (INDIA) LIMITED Signed for and on behalf of NABL <i>N. Venkateswaran</i> <i>Chief Executive Officer</i>	

NABL Certificate



TYPE TESTED TRANSFORMERS

- More than 500 Transformers of various ratings Type tested By Tesla till date at KEMA/CPRI/ERDA.
- 50 MVA 132/11kV Highest Rating of Transformer Type Tested at own test Lab by Tesla .
- Type tested 50 kVA to 5000 kVA ratings in **KEMA, Netherland**.
- One of the few companies in India having highest number of Type Tests for transformers.

tesla

project engineering & management division





Tesla Project Engineering & Management Division was set up in 1986 with the backing of Tesla's reputed design, manufacturing, erection and commissioning, experience of power & distribution Transformers and allied equipments, of nearly two decades.

This division has executed a number of HV Substations on turnkey basis for customers, these include Indian Railways, Electrical Utilities etc. Tesla has also executed many projects of 132 KV & 220 KV. Tesla is having its own Manufacturing capacity and tie -ups for almost all major Substation Equipments like Distribution and Power Transformers, HT & LT Switchgear, CT's & PT's and Control Panels, Bus Ducts, Transmission Towers etc. It has all the required machinery, Tools, testing equipments & manpower to carry out electrical turnkey Contracts.

Projects Management Capabilities:

Tesla has acquired extensive experience in project execution. It has integrated its experience of manufacturing transformers /electrical equipment's, material procurement, quality control, construction and commissioning in successful execution of the projects with single point responsibility.

- From Packages to total plant supplies up to 400/765 KV voltage range.
- Export contract execution of all electrical equipment's.
- Restructuring/Up gradation of Power Plants/Sub station up to 400/765 KV class.
- Construction of sub station up to 400/765 KV Class.

The strength of Tesla

- Highly qualified and experienced personnel for development and certification of new products.
- State of art 2D and 3D CAD facility with sophisticated plant design system and high-end computer aided engineering discipline.
- Quality system procedures for ensuring quality / cost effectiveness and timely delivery.
- Extensive database on global and indigenous sources for procurement.
- Committed delivery schedule.
- Quick after sales service.

Tesla PEMD Overseas Business

Tesla has also undertaken engineering, procurement, construction and commissioning services for process based plants and system for overseas projects. Quality systems are in accordance with ISO 9001 and geared to ensure international standards of quality, cost effectiveness and delivery schedules.





12.5 MVA, 66 KV Transformer Supplied to Australia

exports



2 MVA 27.6by0.6kV Canada



1.6 MVA, 10.5/0.46 KV, 60 Hz.
Auxiliary Transformer Supplied
to South Korea



12.5 MVA, 22.9/10.5 KV, 60 Hz
Power Transformer supplied to
South Korea.



7.5 MVA, 33 KV Transformer
installed at De Beers
Diamond Mine, Namibia

Tesla Exports truly be termed as "A single source for all your electrical needs". It exports both the products manufactured by the Tesla group as well as products manufactured by several associates in India. A wide range of Electrical items such as:

- Distribution & Power Transformers of Oil/Dry type.
- Mobile Substations.
- Unitised Substations (USS)
- Indoor & Outdoor HT & LT Switchgear / Control and Relay Panel.
- Vacuum Circuit Breaker & SF6 Circuit breaker.
- Isolators, Load Break Switch Fuse Unit, Ring Main Unit.
- HT & LT Cables and Bus Bars along with support.
- Transmission Towers.

For various applications the insulating materials, brass items etc. are also exported by us. All items are thoroughly inspected in-house prior to export. Type test certificates are also available for all materials. The company exports to countries across the world. Tesla is positioned to meet the needs of both the dealers and OEM's by offering a complete range of electrical equipments. This saves time and effort for you to look for and deals with several manufacturers of various equipments required by your organisation. You can instead procure these from a single source.



12 MVA, 13.8/12.47 KV 60 Hz
Interconnecting Transformer
supplied to Texas USA.



25/35 MVA, 13.8/13.8 KV,
60 Hz Unity Ratio Transformer
supplied to Texas, USA.



1 MVA, 4.16/0.48 KV, 60 Hz
Service Transformer
supplied to Texas, USA.



2 MVA, 13.8/0.48 KV, 60 Hz
Service Transformer
Supplied to Texas, USA.



Underground Mining Transformers Supplied to Australia





Our Clients

AIR PORTS:

- Indira Gandhi International Airport, New Delhi India
- Chhatrapati Shivaji International Airport, Mumbai India
- Tribhuvan International Airport, Kathmandu Nepal

AGRO CHEMICAL PLANTS

- Asian Paints
- Bindal Agro Chemicals Ltd.
- Cereal Agrotech Pvt. Ltd.
- Deccan Sugars
- Emmennar Chem Pvt. Ltd.
- Glamptech Agro Process Pvt. Ltd.
- ICI India Ltd.
- K.P. Solvex Ltd.
- National Steel and Agro Industries Ltd.
- Raigarh Solvent Extraction Pvt. Ltd.
- SKG Solvex Ltd.
- SKG Solvent Extraction Pvt. Ltd.
- Unialkem Fertilizers Ltd.

CABLE/ELECT. INDUSTRIES

- ABB Ltd.
- Alstom Limitd
- Arevia T & D India Ltd.
- SPIC-SMO Ltd.
- Alucast Found Bgm Pvt. Ltd.
- Bharat Heavy Electricals Limited (BHEL)
- Bajaj Electricals Ltd.
- Bharat Bijlee Ltd.
- Cable Corporation of India Ltd.
- Crompton Greaves Ltd.
- Emco Limited
- Havells Ltd.
- Lapp Kabel India Ltd.
- Mavin Switchgear & Controls
- Neycer Electricals Pvt. Ltd.
- Ravin Cables Ltd.
- Raychem Rpg Limited
- Surya Roshni Ltd.
- TATA Power Ltd.

ELECTRICAL UTILITIES (Private Sector)

- BSES Ltd.
- GTL
- Reliance Energy Ltd.
- Siemens Ltd.
- SPANCO

COAL MINES

- Australian Mining Industry (In Mobile Substation)
- M.P. State Mining Corporation
- Northern Coalfields Ltd. (NCL)
- Neyveli Lignite Corporation Ltd. (NLCL)
- South Eastern Coalfields Ltd. (SECL)
- Spectrum Coal & Power Ltd.
- Western Coalfields Ltd. (WCL)

ELECTRICAL UTILITIES (Govt. Sector)

- APTRANSCO LTD.
- Delhi Vidyut Board (DVB)
- Director General of Supplies & Disposals (DGS&D)
- Grid Corp. Of Orissa Ltd. (GRIDCO)
- Haryana VidyutPrasaran Nigam Ltd. (HVPNL)
- Haryana Urban Development Authority (HUDA)
- Instrumentation Limited
- Karnataka Electricity Board (KEB)
- Madhya Pradesh Electricity Board (MPEB)
- MSEDL
- Punjab Urban Development Authority (PUDA)
- Rajasthan State Electricity Board (RSEB)
- Tamil Nadu Electricity Board
- U.P. State Electricity Board (UPSEB)
- Maharashtra State Electricity Distrn. Co. Ltd. (MSEDCL)
- Maharashtra State Electricity Transmission Co. Ltd. (MSETCL)
- Punjab State Transmission Corpn. Ltd. (PSTCL)
- Central Electricity Supply Utility of Orissa (CESU)
- Assam Power Distribution Corporation Limited
- Southern Electricity Supply Company of Orissa Ltd. (SOUTHC)
- Punjab State Power Corporation Limited (PSPCL)
- Tamil Nadu Generation & Distribution Corporation Ltd.
- West Bengal State Electricity Distribution Co. Ltd.
- M. P. Madhya KshetraVidutVitan Co. Ltd.,
- M.P. PoorvKshetraVidutVitan Company Ltd.
- Madhya Pradesh PaschimKshetraVidutVitan Company Ltd.

ELEC.TEETING LABS/RESEARCH CENTRE

- Bose Institute
- Central Power Research Institute (CPRI)
- Center for Advanced Technology (CAT)
- Regional Research Laboratory (RRL)

ELECTRICAL CONTRACTORS

- AshokaBuildcon Limited
- GTL Ltd.
- Spaceage Associates
- ST Electricals Pvt. Ltd.
- SMS Infrastructure Ltd.
- Aarti Infra Projects Pvt. Ltd.
- L&T Ltd.
- GVPR Ltd.
- Lincolnfortech Ltd.
- East Coast Construction Industries Ltd.
- LeenaPowerTech Engineers Pvt. Ltd.
- Patwari Electricals
- Techno Electric & Engineers Co. Ltd.
- BVG India Ltd.
- Cobra InstalacionesyServicios
- KEC International Ltd.
- Control Systems
- Ashwini Engineers
- Kalpataru Power Transmission Ltd.
- Spanco Ltd.
- Rudraneel Infrastructure Ltd.
- Ravin Cables
- A2Z Group
- Capital Power Infra Ltd.
- Sterling & Wilson Ltd.
- Servomax India Ltd.
- Bharat Electricals
- GET Power Pvt. Ltd.
- Aarti Infra Project Pvt. Lt.
- NCC Limited
- EMC Limited
- WIN POWER
- Everest Infra Energy Ltd.
- Brahmaputra River Valley (p) Ltd
- APE Power
- KEI
- T&T Projects
- Premier Enterprises
- Necon Ltd.
- Indo Navin projects Ltd.

FINANCIAL INSTITUTION

- Rajkot Stock Exchange
- Apex Industries Pvt. Ltd.
- ICICI Bank Ltd.
- Union Bank of India
- State Bank of India (SBI)



FOOD PROCESSING PLANTS

- Anurag Biscuits Pvt. Ltd.
- Arise Food & Products Pvt. Ltd.
- Ajay Food Products
- Central India Flour mills
- Food Craft Institute
- Kayvees Food Products Pvt. Ltd.
- Kisan Group
- M.P.V. Fruit Products Pvt. Ltd.
- Parle Group of Industries
- Reliable Food Industries Ltd.
- Shakti Masala Limited.
- Septech Foods Pvt. Ltd.
- Vindhya Soya Oil & Food Products

FURNACE INDUSTRIES

- Arunachala-Gounder Textile Mills Pvt. Ltd.
- Varalakshmi Starch Industries Pvt. Ltd.
- Agni Steels Pvt. Ltd.
- SVM Alloy Steels Pvt. Ltd.
- Kantishiva Roller Flour Mill (P) Ltd.
- Amex Irons Pvt. Ltd.
- SDS Steel Rolling Mills Ltd.
- Thirumala Smelters Pvt. Ltd.
- KCP Limited
- Indo Shell Mould Ltd.
- Interfit India Ltd.
- Auto Shell Casts
- Shree Ganesh Steel
- Hariharan Spinners Ltd.
- Consilium Middle East, UAE
- Furnace Fabrica
- Pillar Induction India Pvt. Ltd.
- ShriUlaganayagi Amman Steels
- Bajel Cement Factory-Yemen
- Kawalazi Estate Co. Ltd. Malawi

GENERATION PLANTS

- Amarkantak Thermal Power Station (ATPS)
- Sanjay Gandhi Thermal Power Station (SGTPS)

HOTELS

- Casino Hotels Ltd.
- Hotel Area Palace
- Hotel Raipur
- Jagdamba Palace Hotel
- Piccadilly Hotels Pvt. Ltd.

HYDEL PROJECTS

- AD Hydro Power Ltd.
- Indo Canadian Consultancy Services

INFORMATION/ELECTRONICS

- Escotel Ltd.
- Infosys Technologies Ltd.
- LG Electronics

NATIONAL UTILITIES

- NTPC Limited
- Power Grid Corp. of India Ltd.

PETROLEUM PLANTS

- Australian Petroleum Industry (In Mobile Substation)
- Indian Oil Corporation Ltd.(IOCL)
- K.N. Oil Industries
- Petroleum Development Oman (PDO)
- Qatar Oil and Gas
- Reliance Petroleum Ltd.
- Southern Petrochemical Ind. Corpn.Ltd.

OIL PROCESSING & REFINING UNITS

- Bindal Agro Chemicals Ltd.
- Betul Oil Mills Ltd.
- Balaji Oils Pvt. Ltd.
- Baheti Oil Industries
- Bhopal Oil Industries
- Bina Refinery
- Glamptech Agro Process Pvt. Ltd.
- Gopal Oil Industries
- Gangotri Oil & agro Pvt. Ltd.
- Itarsi Oil & Flour Mills Pvt. Ltd.
- Kochhar Oil Mills Pvt. Ltd.
- MadhyavartExxoils Ltd.
- Oswal Agro Oil Mills Ltd.
- Surya Agroils Ltd.
- Soya Udyog Pvt. Ltd.
- Shorewala Flour Mills Pvt. Ltd.
- Vindhya Soya Oil & Food Products

OTHER INDUSTRIES

- Amtek Auto Limited
- Arevia T&D Ltd.
- Bright Power Projects
- Brakes India Ltd.
- Badri Narain Rubbers
- Bharat Auto and Agro Industries
- Crompton Greaves Ltd.
- Distinct Infrastructure Ltd.
- Daulat Ram Industries
- Director General MP council of science
- Dabar India Ltd.
- GovindjiTrikhmdes Export Ltd.
- GEI Hammon Industries Ltd.
- Golcha Oxides Pvt. Ltd.
- Hindustan Copper Ltd.
- IFB Industries Ltd.
- Manas Land Development Corp.
- L&T Limited
- McLeyers Mercantile
- Modipon Timbres Co.
- Narasimha Roller Floor Mills
- Ordinance Factory
- Pan India Paryatan Ltd.
- Powereeka
- SRC Projects Pvt. Ltd.
- Som Distillaries & Breweries
- Tulshyan Enterprises Ltd.
- UCAL Machine Tools Ltd.

OTHER GOVT. ORGANIZATIONS

- Bharat Aluminum Co. Ltd.(BALCO)
- Central Store & Purchase Section(IISER)
- ENERCON India Ltd.
- IRCON International Ltd.
- IVRCL Ltd.
- M.P. Tourism Development Corporation
- M.P. Housing Board
- M.P. Education Board
- Neyveli Lignite Corporation
- Public Health Department (PHD)
- RRL Ltd.
- Visakapatnam Port Trust, Hyderabad

PAPER MILLS

- Badrish Paper Mills
- Duplex Board Ltd.
- Prabhakar Paper Mills Pvt. Ltd.
- Reliance Paper Mill
- Raigarh Paper & Boards Ltd.
- Security Paper Mills (Govt. of India Enterprise)

PHARMACEUTICAL PLANTS

- Hi-Tech Medical Products Ltd.
- Invivex Lab Ltd.
- Lupin Laboratories Ltd.
- Novamed Pvt. Ltd.
- Reliable Drug Mfg. Pvt. Ltd.
- Ranbaxy
- R.M. Chemicals Ltd.

SERVICES

- Department of Telecom (BSNL)
- Indian Railways
- Military Engineering Services (MES)
- PrasarBharati (Broadcasting Corp. of India)
- TATA Teleservices

SOLAR/WIND POWER

- ABB India Limited
- ACME Solar Holdings Pvt. Ltd.
- Aditya Birla Renewables Ltd.
- AEG Power
- BIETRIC
- ENRICH Energy Pvt. Ltd.
- Enercon India Ltd.
- Insolare Energy Pvt. Ltd.
- Kenersys India Ltd.
- LeitnerShriram Mfg. Ltd.
- Nature International Pvt. Ltd.
- Pioneer Asia Wind Turbines Chennai
- Pan Infra Projects
- REPL Engineering Ltd.
- Regen Power Tech
- Rays Power Infra (P) Ltd.
- Southern wind Power
- Suzlon Energy Ltd.
- Saraswat Engineers
- SIMCON Solar Pvt. Ltd.
- Sterling & Wilson Pvt. Ltd.
- Sunfree Pahschim Renewable energy Pvt. Ltd.
- Sunsure Energy Pvt. Ltd.
- SAEL Ltd.
- Solarworld Energy Solutions Pvt. Ltd.
- TATA Power Solar Ltd.
- UTE Solar Enersol Toledo (Spain)
- Vestas Wind Energy Ltd.
- Vestas RRB India Ltd.
- Vivan Solar
- Waree Energies Pvt Ltd.

STEEL/CEMENT PLANTS

- ACC Cements Plant
- Hindustan Steel Works Const. Ltd.
- Kakda Steels Ltd.
- Sian Steels Ltd.

TEXTILE INDUSTRIES

- Akaram Spinning Mills Pvt. Ltd.
- Armstrong Knitting Mills
- AKCT Chitambaram Cotton Mills
- Amritlakshmi Spinning Mills Pvt. Ltd.
- Karvemba Textiles Pvt. Ltd.
- Khaders Spinners Pvt. Ltd.
- Loya Textiles Pvt. Ltd.
- Sri Ratnagiri Spinners Pvt. Ltd.
- Selvakumaran Textiles
- Sangeeta Textiles

EXPORTS

- Afghanistan
- Australia
- Bangladesh
- Ethiopia
- Ghana
- Iraq
- Kenya
- Kazakhstan
- Libya
- Liberia
- Malta
- Malawi
- Mozambique
- Nepal
- New Zealand
- Namibia
- Nigeria
- Oman
- Palestine
- Philippines
- Qatar
- Saudi Arabia
- Senegal
- Singapore
- South Africa
- South Korea
- Spain
- Sudan
- Tanzania
- USA
- UAE
- Uganda
- Yemen
- Zambia
- Zimbabwe

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