



Taikisha Engineering India Pvt. Ltd.

(Electrical Automation & Control Panel Manufacturing Division)



Plant : Plot No.-19, Sector-3, IMT Manesar, Gurgaon, Haryana, India. Pin-122 050
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Visit us : www.taikishaindia.com

C O M P A N Y P R O F I L E

Taikisha Ltd. Japan was established in 1913 & has experience of more than 100 years, it started with work of air conditioning systems. In 1950, the company ventured into its first automotive painting solution (in Japan) and in 1963 executed its first international paint finishing project. Taikisha Ltd., Japan has a strong global presence, with full-fledged design and engineering offices in Tokyo, Osaka, Nagoya, an R&D center in Hirakata and robotic assembly and trial at Zama, Japan.

Our Principals M/s Taikisha Ltd. Japan is also one of top leading company & pioneer in Green Technology (GT) undertaking turnkey project works for clean room systems, HVAC system, mechanical & electrical installation etc. and have installed number of projects all over the world.

Taikisha Engineering India Pvt. Ltd. (TEI) was set up in 1995 with the vision of supplying high quality, cost-effective solutions with strong after sale support to clients. TEI is operating successfully for more than 20 years catering to various Japanese and non-Japanese customers. Currently TEI has about well-trained 390 employees with project engineering and head office in Gurgaon, a registered office in New Delhi and sales & execution offices in Mumbai, Pune, Bangalore & Chennai.

From year 1999-2000 started on control panel manufacturing at its own electrical automation control panel manufacturing plant at IMT Manesar, Haryana, it ensures precise plant control & very high reliability & confidence to our clients having gained high expertise now manufacturers & supplies electrical panels to various Industries.

TEI has set-up own manufacturing plants at Pune & Vadodara for sheet metal & special laser fabrications. This activity was started from 2007 onwards and as of today these factories are established having international level of quality, state of art sophisticated manufacturing machines, and have impressive clientele in India and across the globe.



TAIKISHA ENGINEERING INDIA PVT. LTD – HEAD OFFICE

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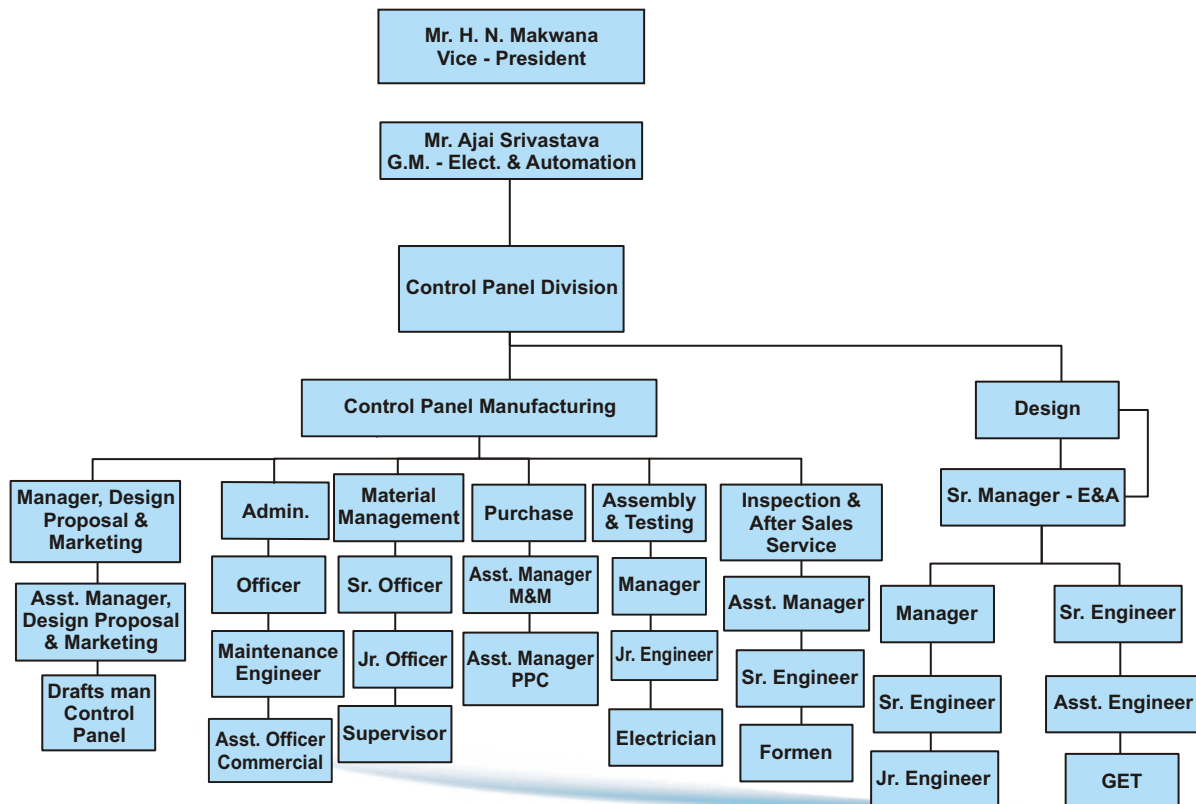
Taikisha Engineering India Pvt. Ltd. Electrical & Automation Division successfully operates with high expertise in field of Electrical and Automation and committed to Designs & Manufactures various based Control Panels with customized Automation solutions, Control and Power Panels for FMCG, Government Sector, Automobile Industries & other industries.

Taikisha India is Japanese joint venture EPC based Company and have experience of 20 years in Automotive and HVAC industries in India, already successfully executed many turnkey Projects out rightly with all safety. Manufactured Control Panels & executed site installation for various clients like Daimler, Maruti, Toyota, Honda, Tata, Ashok Leyland, Denso, Unicharm and many more. All paint finishing plants are including including pre-treatment and entire plant is fully atomized & robotic. All operations are high tech automation control & products produce on this plant are of international standard.

All our automation control panels are accurately design & manufacture at our Manesar factory. These panels are manufacture according to companies specification & standards like Indian, Japanese, American, and European. TEI can make any international standard panels based upon client requirement.

All automobile car body fabrication is done in weld shop then body transfer to paint shop and pass through entire process of PT, ED & final paint etc. are robotic pre-programmed. All these plants are fully automatic & operational also specific, therefore control panel are to perfectly work. Similarly any turnkey project manufacturing like paper plant, cement plant & steel plant have similar type of control panel automation and require similar technology, therefore TEI is full confidence to manufacture high quality of control panels for turnkey projects.

Electrical & Automation (E & A) Division



TEI Aim of Business

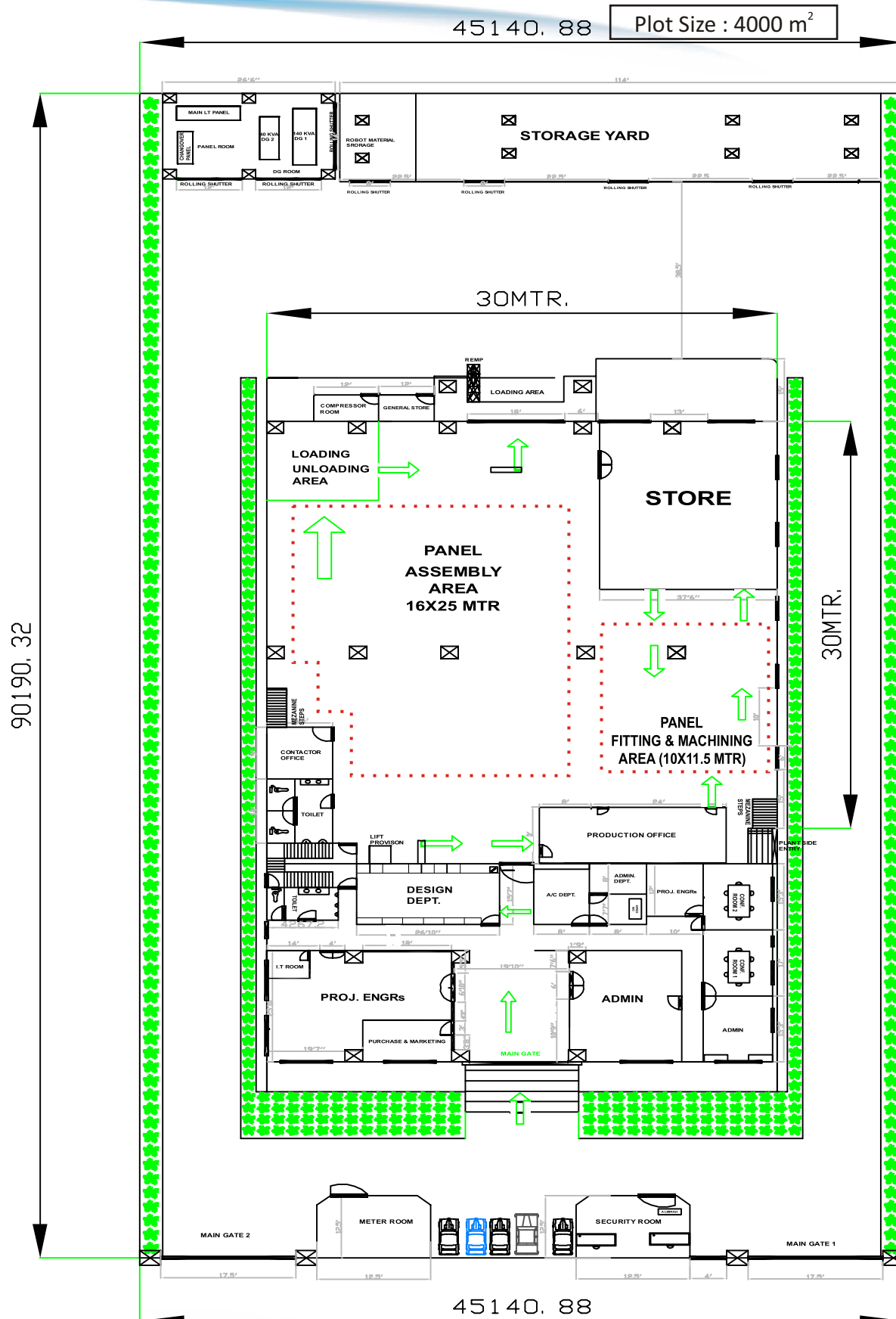
- Quality product with zero defect
- On time delivery & committed service with continuous upgradation
- Cost effective solutions

TEI Quality Commitment

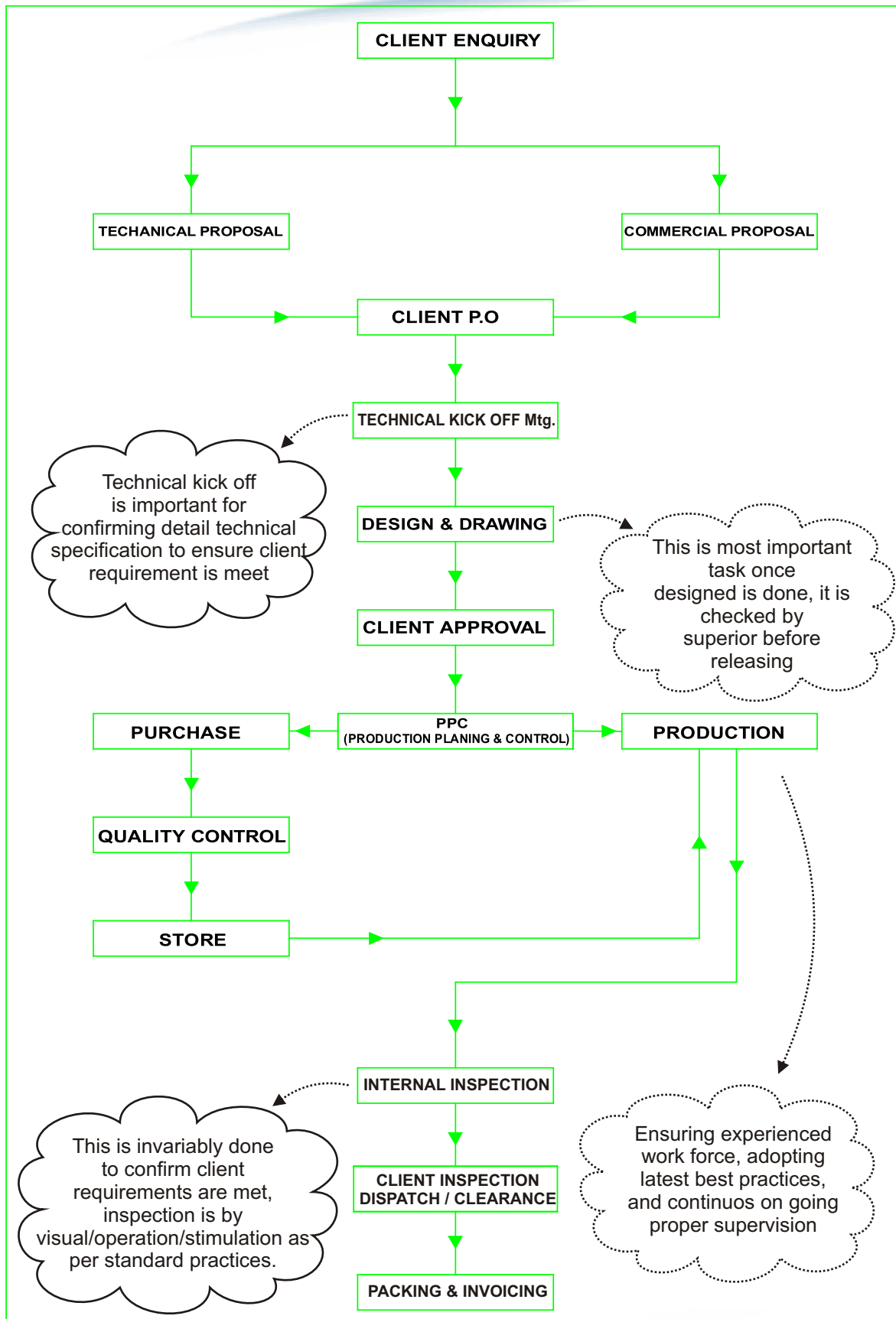
- Quality starts from concept & design stage . Quality consideration for electrical panel also means, functional reliability of component, easy maintenance facility, clear indication and detection of fault occurrence in connect equipment or electrical wiring, etc. in other words Electrical Panel should be user friendly.
- Quality is by in-built culture, being Japanese company each member maintains high standards of quality at his working level and performing continuous kaizen activities to uplift panel quality.
- Using international maker's latest improved components, which brings up the Panel quality to international level.
- Stage Inspection – In control panels stage inspection is very important. As standard procedure most of the time we do not find any defect in assembly at any stage and we are always aiming to zero defect. Normally no defect is found, hence no need to inspect is not our consideration but guaranteed performance is the main aim.
- Functional simulation of the panel at actual site condition to ensure no trouble to the client after installation.
- Total panel operation check and thorough inspection prior to the dispatch and appropriate packing & handling method ensuring safety & quality.
- Submitting detail drawing, operation manual & list of components with specification and maker details for maintenance spares & providing technical service and support to the client at site.

Taikisha India's Unique Feature

■ Various Standards	-----	IEC, JIS, BIS
■ Designing	-----	E PLAN, AUTOCAD & ELCAD
■ Safety	-----	SAFETY CATEGORY 3-4
■ Automation	-----	SENSOR TO MANAGEMENT LEVEL
■ Competency	-----	50 fully SKILLED ENGINEERS
■ Support	-----	COMMISSIONING, ERECTION & AMC
■ Consultancy	-----	TURNKEY SOLUTION PROVIDER
■ Experience	-----	EXPERIENCED IN AUTOMATED PRODUCTS



Work Flow Chart of Control Panel Division





Power Distribution Board (PDB)

- In all industries power supply distribution Panels are required to distribute power from incomer to the various utilities.
- We manufacture Customized Panels as per client requirement of number of Incomer, Bus coupler, connected load with safety and interlocks up to 4000Amps.

Motor Control Center (MCC)

- Motor control center houses various starters for driving various motors. Manufactured in compartmentalized and non-compartmentalized constructions.
- Big MCC Panels are manufactured in sections and joined together at project site
- Standard switchgears, reputed accessories and Copper/Aluminum bus bar are used in the Panels starting from 0.25kW to 500kW.



PLC Based Process Control Panel

- For the ease of operation, maintenance, reduction in size, remote communications and unlinking with plant network we make PLC based Control Panels an edge over conventional relay based systems.
- We have provided PLC based Automation Panels of Mitsubishi, Siemens and Allen Bradley by using Digital/ Analogue I/O, Intelligent modules and different network protocol to our various European, Japanese and Indian clients to fulfil their need of automation and smart control & Monitoring.

VFD PANEL

- Adjustment and variation of speed of motor is an application, which required in almost all the process industries & machinery.
- To achieve it Drive are used. Drives are also used as energy saving device for some of the machines to save power.
- We make dedicated VFD panel from 0.4 to 500kW to cater
- client requirement and to counter standing wave effect in the motor.



Photos of project executed by TEI-Manesar



Robot Integration Panel

- Normally Robots comes with their standard control Panel to control manipulator movement and to integrate applicator with manipulator interface and control panels are required.
- We make control and Pneumatic panels for such interface and control with different PLCs and communication protocol.



PLC Based Control Panel for Food Industry

- As Food industry is different with other process industry.
- It require different ways and material to make panels which are exposed to manufacturing area.
- We make panels for food industry with stainless Steel SS-304 enclosure and as per costumer requirement and Process need.

Other Panels

We also make panels for many other utilities and client needs such as Outdoor Panels, Lighting Panels, Fire Fighting Panels, MIMIC, APFC, Auto Changeover panels etc.



OUTDOOR PANEL



LIGHTING PANEL



FLAME-PROOF PANEL



APFC PANEL



FIRE FIGHTING PANEL



CHANGEOVER PANEL



I) Automation system & Control Panel designing

- Dedicated team of Electrical and Automation Engineers.
- Equipped with E-plan, EL-CAD and Auto- CAD.
- Fulfill client requirement and designing, quick design changes & client accurate review, etc.
- Error free engineering & auto BOQ generation.



II) PLC & SCADA Programming

We have team of Automation Engineers trained on various PLC, HMI and SCADA software to cater all client need under one roof.

III) Production Space

TEIPL have total 20,000 Sq. ft. area for control panel production at the center of IMT Manesar





IV) Mounting and fitting Section

- Have ample space for mounting & fitting.
- For cutting, fitting and mounting of precise component we have specially designed mounting Stations to provide which give accuracy and reliability to the end product.
- Care being taken for tools, process, etc.



V) Utilization of Space

Work in factory indicating effectively utilization & good production planning.

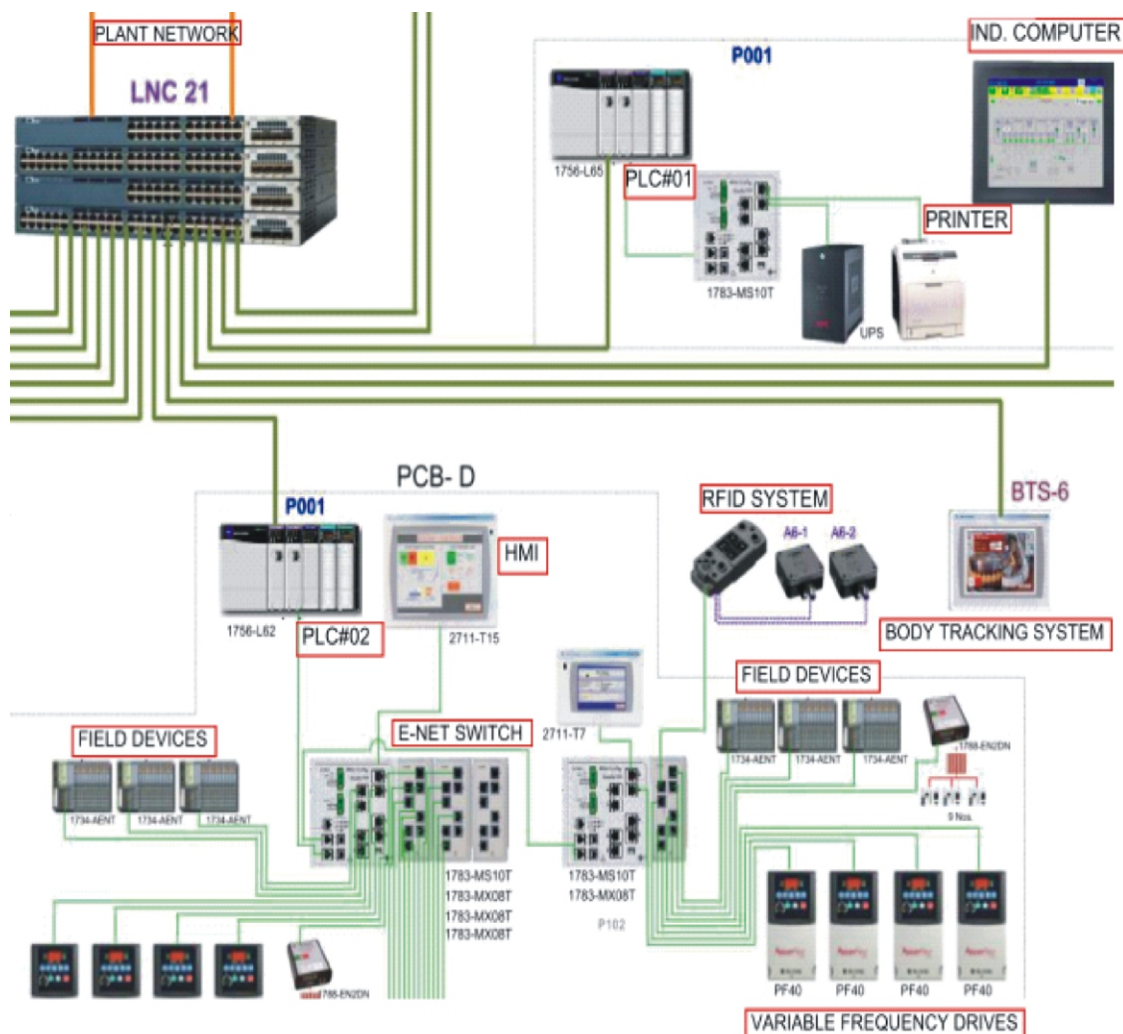


VI) Material Storage & Stores

- A proper material storage and retrieval system is the basic necessity for any plant. We have adequate material storage space of 33'X37'
- All electrical items are adequately checked & properly place in store.
- Main components ordering is based on projects & client orders so that it is cost effective (to avoid unnecessary inventory & finance cost)
- General items like wires, lugs, etc are stocked & managed to optimum level.

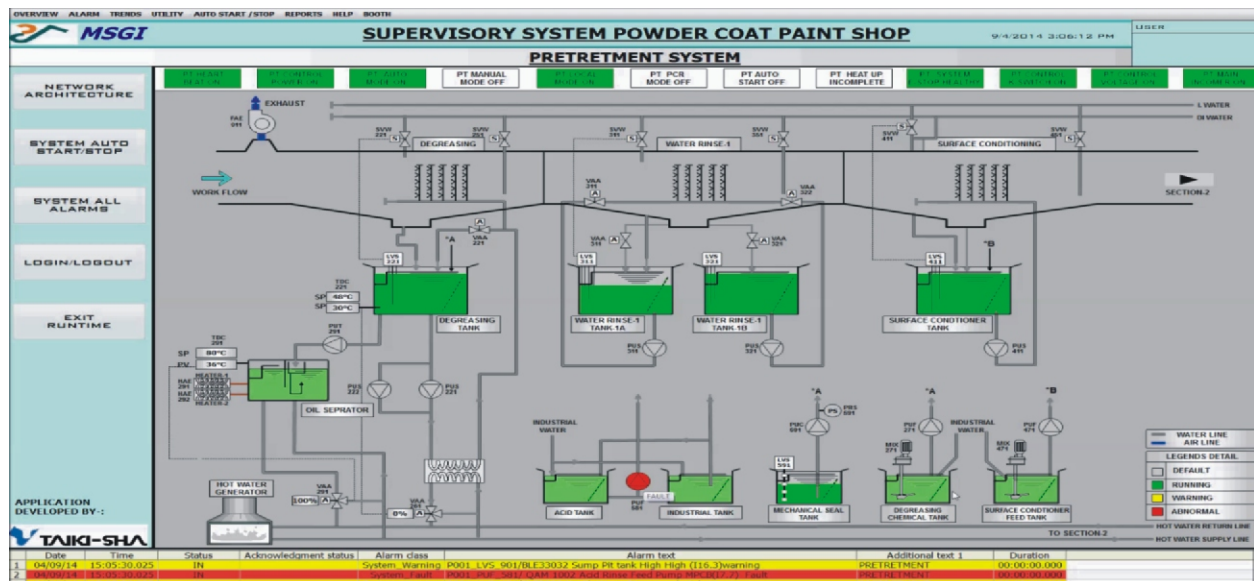
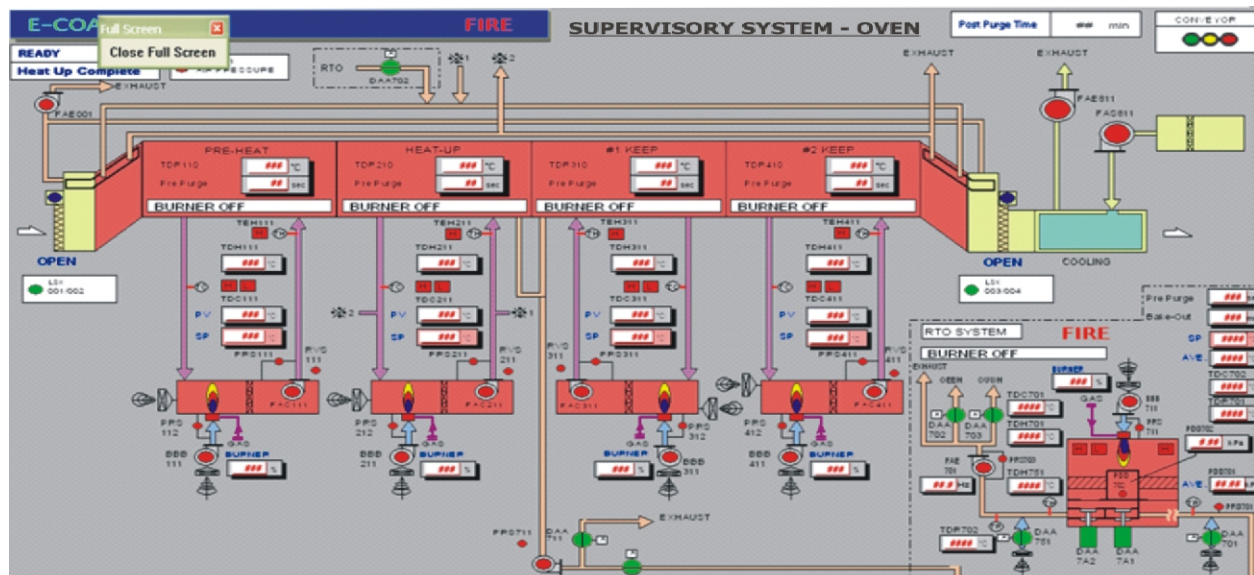
We have a team of qualified engineers and state of the art facility for network architecture designing, manufacturing, programming and implementation to provide complete automation solution to our client under one roof for all Automation levels.

PLANT NETWORK ARCHITECTURE



SCADA (Supervisory Control And Data Acquisition)

- Now SCADA has become a basic need of a process plant for central monitoring, data recording and controlling.
- We provide SCADA solutions for complete plant to our esteem clients, which gives them flexibility to monitor, control and analyze the process parameters i.e. temperature humidity, utility consumption, production etc. for optimum use of process and utility.

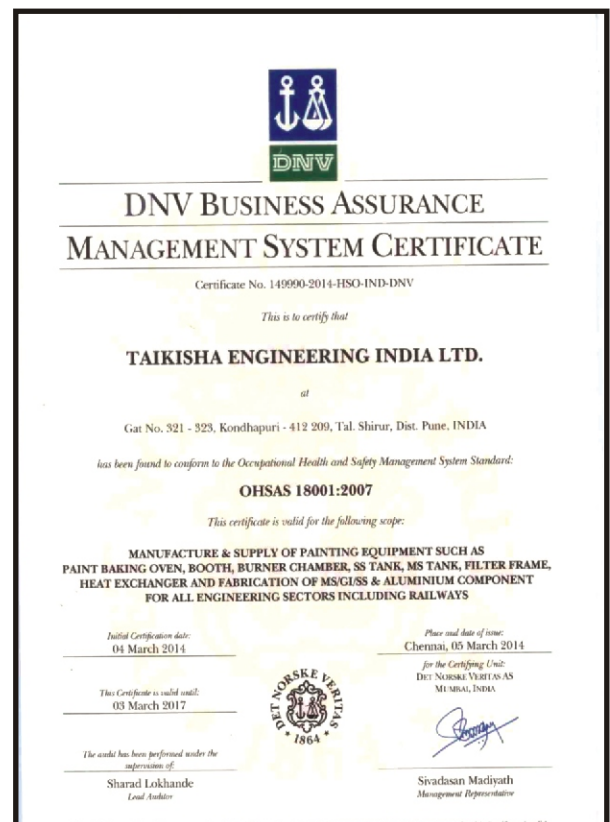


Short Circuit with Stand Strength

 SHORT CIRCUIT LABORATORY CENTRAL POWER RESEARCH INSTITUTE (Member of STL) P B NO 8055, SADASHIVANAGAR POST OFFICE NIT C V RAMAN ROAD, BANGALORE - 560 080 (INDIA) Phone : +91 (0) 80 - 23602662 Fax : +91 (0) 80 - 23601213		 Sheet 1 of 4
TEST REPORT		
Test Report Number	SC09636A	Dated 6 th October 2009
Name & Address of the Customer	M/s. Talkisha Engineering India Ltd 19, Sec-III, IMT Manesar Gurgaon - 122 050, Haryana	
Name & Address of the Manufacturer	M/s. Talkisha Engineering India Ltd 19, Sec-III, IMT Manesar Gurgaon - 122 050, Haryana	
Particulars of sample tested	Low-voltage switchgear and controlgear assembly 415 V/3200 A L.T. Panel	
Condition of the sample on Receipt	New	
Type	Indoor, cubicle, drawout	
Designation	DDF-3200 Double Front Drawout PMCC	
Serial Number	One	
Number of samples tested	One	
Date (s) of test (s)	6 th October 2009	
CPRI sample code no(s)	SC09636A	
Particulars of tests conducted	Verification of the short-circuit withstand strength	
Test in accordance with	Sub-clause 8.2.3 of IS 8623 (Part 1) 1993 / IEC 60439-1 (1985) : (Reaffirmed 2004) & Customer's instructions	
Standard / specification	Not applicable	
Sampling plan	Test to be conducted on Horizontal & Vertical bus-bars of section - 1F only	
Customer's requirement		
Deviations if any		
Name of the witnessing persons	Mr. Rakesh Gupta - Dy. General Manager & Mr. Amalendu Sati Technical Advisor	
Customer's representative	None	
Other than customer's representative	None	
Test subcontracted with	None	
address of the laboratory		
Documents constituting this report (in words)		
Number of sheets	Four	
Number of oscillograms	Two	
Number of graphs	Nil	
Number of photos	Two	
Number of test circuit diagrams	Two	
Number of drawings	Seven	
 AUTHORIZED SIGNATORIES		 (H. Ravishanker) Joint Director
 (G. Venkatesan) Test Engineer		


Temperature Rise Test

 HEAT RUN TEST LABORATORY DIAGNOSTIC, CABLES & CAPACITORS DIVISION CENTRAL POWER RESEARCH INSTITUTE PROF. SIR C V RAMAN ROAD, BANGALORE - 560 080, INDIA Phone : +91 (0) 80-2360 4435 Fax : 080 - 2360 4435		 NABL Accredited Laboratory Cert No T-0010 Sheet 1 of 4
TEST REPORT		
Test Report Number	DC00-11132	Dated: 08.10.2009
Name & Address of the Customer	M/s. Talkisha Engineering India Ltd. 19, Section - III, IMT Manesar Gurgaon, HARYANA - 122 050	
Name & Address of the Manufacturer	M/s. Talkisha Engineering India Ltd. 19, Section - III, IMT Manesar Gurgaon, HARYANA - 122 050	
Particulars of sample tested	415V, LT, 3200A Draw out PMCC	
Condition of the Sample on Receipt	Good	
Type	DDF-3200 A	
Designation	Indoor, Double Front Draw out PMCC	
Serial Number	Nil	
Number of samples tested	One	
Date(s) of Test(s)	07.10.2009	
CPRI sample code no	SC09636A	
Particulars of tests conducted	Temperature rise test at 3200 Amps	
Test in accordance with	IS 8623 Part-1:1993/ IEC 60439 Part-1:1985	
Standard/specification	Nil	
Sampling plan	Temperature rise test at 3200 Amps, thermocouple points & temporary connections as per drawings	
Customer's requirement	Nil	
Deviations if any	Nil	
Name of the witnessing persons	Mr. Rakesh Gupta- Dy General Manager & Mr. Narendra Singh, Engineer	
Customer's representative	Nil	
Other than Customers representatives	Nil	
Test subcontracted with	Nil	
address of the laboratory		
Documents constituting this report (in words)		
Number of Sheets	Four	
Number of oscillograms	Nil	
Number of graphs	Nil	
Number of photos	Nil	
Number of Test Circuit Diagrams	Nil	
Number of Drawings	Three	
 AUTHORIZED SIGNATORIES		 (A. SUDHINDRA) Additional Director
 (G. P. VITAL) Test Engineer		




DAIMLER
Daimler India Commercial Vehicles Pvt. Ltd.

Presents
This award of Appreciation



BHARATBENZ



To **M/s Taikisha Engineering India Limited**
In Sincere recognition of their
Best Effort & Commitment in the area of
FACILITY & EQUIPMENT
For the successful Completion of
NEW PAINT SHOP-CHENNAI

26th May 2014

Juergen John
Juergen John
Head - Manufacturing Engineering

HONDA

HONDA CAR INDIA LIMITED

This Award of Appreciation
is presented to



M/s. Taikisha Engineering India Limited
In Sincere recognition of their
Best Effort & Commitment
In the area of
FACILITY & EQUIPMENT
For the successful Completion of
NO-02, LINE PAINT SHOP

14TH MARCH-14

R.K. DUBEY
R.K. DUBEY
PIL & HOD

Shailendra
DIVISIONAL HEAD

CERTIFICATE OF APPRECIATION

M/s Taikisha India

WE GREATLY APPRECIATE YOUR EFFORTS IN PROMOTING A SAFETY CULTURE AMONG YOUR EMPLOYEES & WORKING IN TANDEM WITH TML SAFETY STANDARDS. WE ARE PROUD TO RECOGNIZE YOU AS A SAFETY CONSCIOUS CONTRACTOR WORKING FOR TATA MOTORS, PANTNAGAR DURING YEAR 2014.

Congratulations!

Alok Kumar Singh
Alok Kumar Singh
Plant Head - Pantnagar Works

TOYOTA

TOYOTA KIRLOSKAR MOTOR

This Award of Appreciation
is presented to



M/s. Taikisha Engineering India Limited
In sincere recognition of their
Best Effort & Commitment
in the area of
FACILITY & EQUIPMENTS
for the successful Completion of
ETIOS PROJECT

19th April 2011

N. Nakagawa
Hiroshi Nakagawa
Managing Director

Bangalore



Internal Improvement Meeting



External Training Seminar

Health Check-Up & Care of Members



FMCG Sector

- Nestle India Ltd.(Gurgaon)
- HUL (Haridawar)
- Unicharm India Ltd.(Rajshatan) Panasonic Indl.Asia Pte Ltd.(Delhi)
- LLYOD Engineering (Bhiwadi)- on-going

Government Sector

- Indian Railways, Cofmow (Delhi)
- Ircon International Ltd.(RCF- Kapurthala)
- Steel Authority of India (Bokaro)
- Indian Railway (Varanasi)- on-going

Automobile Sector

- Honda Motorcycle and Scooter India Pvt. Ltd.(Manesar)
- Honda Siel Cars India Ltd.(Noida)
- Honda Siel Cars India Ltd.(Rajasthan)
- JCB India Ltd.(Faridabad)
- Maruti Suzuki Automobiles India Ltd.(Manesar)
- Maruti Udyog Limited(Gurgaon)
- Maruti Udyog Limited(Mundra Port- Gujarat)
- Mothersan Sumi System Ltd.(Noida)
- Nissan Motors India Pvt. Ltd.(Chennai)

Automobile Sector

- Piaggio Vehicle Pvt. Ltd.(Baramati Pune)
- Sandhar Locking Device Ltd.(Gurgaon)
- Steels Strip Wheels Ltd.(Chandigarh)
- Suzuki Motorcycle India Pvt. Ltd.(Manesar)
- Ashok Leyland (Chennai)
- Badve Engineering Pvt.Ptd. (Aurangabad)
- Bajaj Auto Ltd.(Aurangabad)
- Bajaj Auto Ltd. (Pune)
- Bajaj Auto Ltd. (Uttrakhand)
- Delphi Automotive System Pvt. Ltd. (Noida)
- Escort Farmtrac Limited (Faridabad)
- Escort Yamaha Motor Ltd(Noida)
- Hindustan Motors Ltd., (Madras)
- Denso Haryana Pvt. Ltd. (Manesar)
- Suzuki Power train India Ltd.(Manesar)
- Tata Motors Ltd.(Jamshedpur)
- Tata Motors Ltd.(Pune)
- TVS Motors Company(Bangalore)
- Tata Motors Ltd. (Uttrakhand)
- Terex Vectra Equipment Pvt. Ltd.(Noida)
- TG Kirlosakar Automotive Pvt. Ltd. (Bangalore)
- Daimler India Commercial Vehicle Pvt. Ltd. (Chennai)
- Toyota Kirlosakar Motors Ltd.(Bangalore)
- Varroc Engineering Pvt. Ltd.(Pune)
- Varroc Engineering Pvt. Ltd.(Uttrakhand)
- Varroc Engineering Pvt. Ltd.(Noida)
- Varroc Engineering Pvt. Ltd.(Binola)

M/s Taikisha Engineering India Pvt. Ltd (TEI) from last 20 years continues delivering customer delight in all the endeavors it takes up for their clients.

Above result is due to our strong & expert team with total strength of about 390 members with project engineering and head office in Gurgaon, a registered office in New Delhi and sales & execution offices in Mumbai, Pune, Bangalore & Chennai, And with excellent technology support of our principals M/s Taikisha Ltd. Japan who have more than 100 years of industrial experience.

Taikisha India's different business divisions are:

- Paint Finishing Systems**, setting up of painting plant on full turnkey basis for all vehicle & parts. Some of our esteemed clients are M/s Maruti Suzuki, M/s Honda, M/s Toyota, M/s Renault Nissan, M/s Tata Motors, M/s Ashok Leyland, M/s Daimler Chennai, M/s John Deere, M/s Indian Railways, M/s Suzuki 2 Wheeler, M/s Yamaha, etc.
- GT Division (Green Technology)** focuses on all types of mechanical and electrical installations. These include clients complete plant set-up, industrial ventilation systems, clean rooms, plant utilities set ups and the supply of special equipment. Some of customers are M/s. Denso India Haryana, Unicharm India, Horiba, Tata Motors, etc. this business is expected to increase due to the influx of Japanese companies entering the market in India.
- Material handling systems for painting, assembly, welding lines, etc.

Some of TEI - Esteemed Clients



Paint Shop



Robotics & Auto Paining





GARDEN BY THE BAY, SINGAPORE

(Mechanical system, humidification system for plant areas, air conditioning for visitor areas & control sunlight)



ELECTRONICS DEVICE PLANTS

(Mechanical & Electrical systems, process utilities, clean rooms & water systems)



PRECISION MACHINERY PLANTS

(Mechanical & Electrical systems, process utilities & plumbing - sanitary systems)



PHARMACEUTICAL & BIOTECH PLANTS

(Mechanical & Electrical systems, clean rooms, process utilities & interior works)

TEI Sheet Metal & Laser Factory in Pune

Taikisha India is a Joint Venture of Taikisha Japan started its manufacturing operation from Pune since 2007. The State of Art facility is built on a land measuring approx. 57,937 sq. meters and had got a constructed area of 10,000 sq. meters of office area. Total having around 275 committed employees. With various laser machine, CNC punching, CNC bending , flattening machine, special welding machine etc.

The facility was started to manufacture Taikisha's own product involving painting systems sheet metal components & sub assemblies as per international standards for many worked renowned auto giants.



The company took a major decision to diversify into other areas of sheet metal forming & assembly, using the latest technologies beginning from Oct 2009, and has become an OEM supplier to many renowned MNCs operating from in and out of Pune namely M/s. ABB, Bombardier, JCB, Writgen, Chromwell – John Deer, GE & others.

Accredited with ISO 9001-2008 standards Det Norske Veritas AS & EN 15085 Class I Welding certification accredited by TUV Rheinland, our company has made a huge impact on quality & deliverables.

TEI Sheet Metal & Laser Factory in Vadodara

Taikisha India has embarked on expanding the business in the model of Taikisha Pune Sheet metal forming & assembly located at Vadodara, Gujarat state, India.

Laid out on industrial land of 11200 sq mtrs. at Vadodara city, Gujarat state, India and plant is functional from year 2013 catering to various clients.

This plant also has latest international high quality machines are installed to meet exports & high quality domestic requirements of our various esteemed clients.



TAIKISHA INDIA - GEOGRAPHICAL REGIONS

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asrivastava@taikishaindia.com

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Gujarat

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Tel.: 02137-666000
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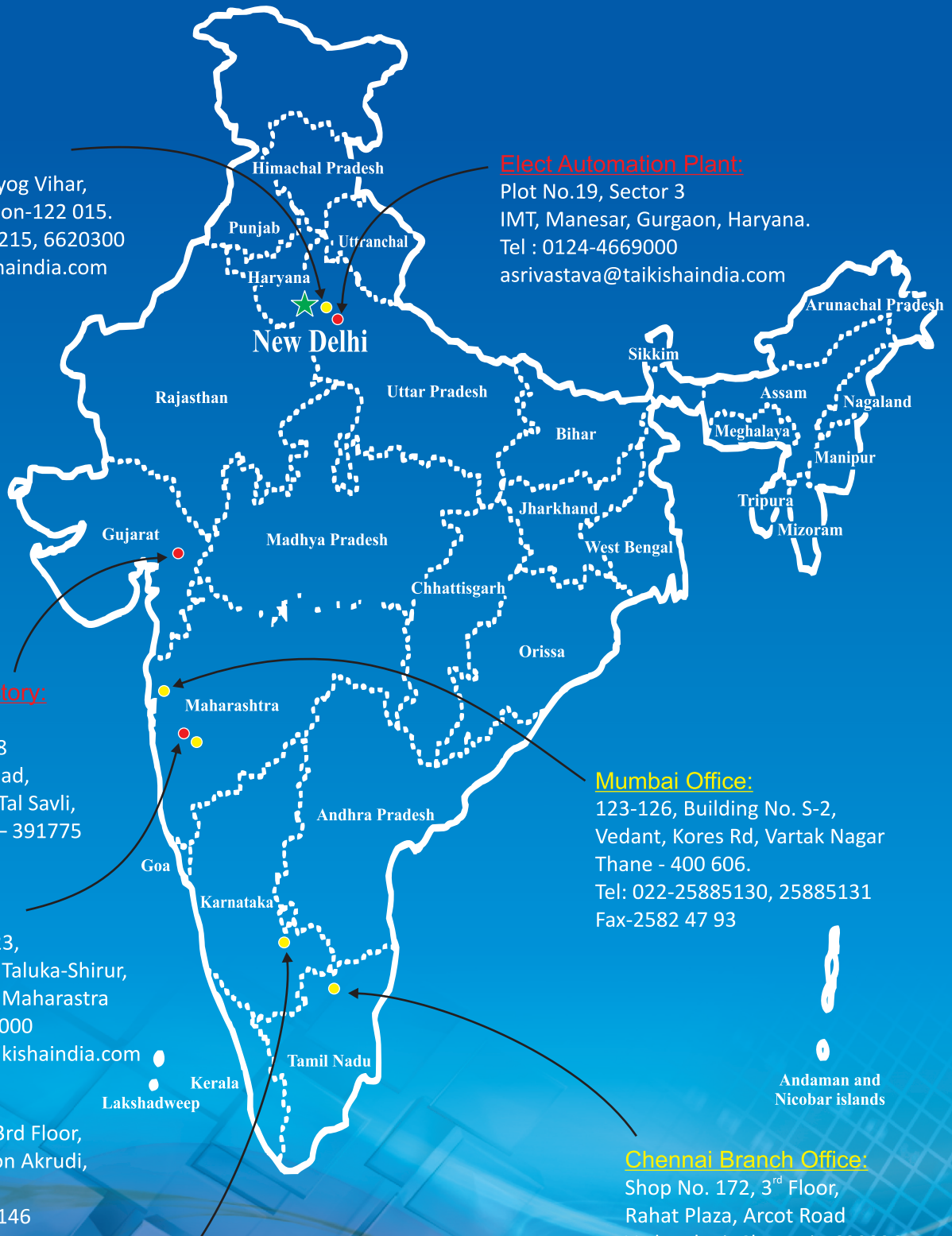
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- TEI Offices
- TEI Factories