



Company Profile



Late. Parasmal Goliya
(Founder)

Customer focus, product innovation and technological excellence are the key concerns of every member at MECO. We are an ISO9001 : 2000 company offering time tested , reliable and affordable instruments for more than four decades. Our team of 100 skilled and trained personal are equipped with complete in-house facility for design, development and manufacturing of Electrical and Electronics Testing and Measuring Instruments and Transducers.

Several new products have been introduced for the year 2008 by our Research & Development Department (recognized by Department of Scientific & Industrial Research, Ministry of Science & Technology Government of India, New Delhi). Our engineers have used state of art microcontrollers along with indigenously developed intelligent software / firmware in creating several new products that are ideal for measuring, recording and management of electrical energy of power distribution networks.

MECO supports Bureau of Energy Efficiency (BEE), Government of India's mission to institutionalize certification of Electric / Electronic goods for ECOMARK / STAR RATING under Gazette of India.



Premchand Goliya
(Chairman & Mg. Director)

SMPS AC/DC power supplies have been introduced in many models of Digital Panel Meters and Transducers to provide greater flexibility and reliability to customers and in reducing their variety and inventory levels.

We have a network of over 100 dealers who effectively channel our products in the entire Indian subcontinent with good penetration. Our products ate exported to almost all the continents over the world through local agents and representations. We seek strategic alliances with companies worldwide who can either effectively market our products in their local markets or with companies who wish to channel their products in India through our marketing network.



Kamal P. Goliya
(CEO)



Corporate Office & Works :

Plot No. EL-1, MIDC Electronic Zone, TTC Indl. Area, Mahape, Navi Mumbai 400 710. (INDIA)



Company Profile

Chairman & Managing Director

Mr Premchand Goliya

Associated with Professional Bodies / Associations

- **Former President,**
Indian Electrical & Electronics Manufacturers Association, Mumbai
- **Former Chairman,**
CII (Instrumentation Division), N Delhi
- **Former President,**
All India Instrument Manufacturers & Dealers Association, Mumbai
- **Member,**
Governing Council, Institute for Design of Electrical Measuring Instruments, Mumbai
- **Member,**
Bureau of Indian Standards,
Electrical Instruments Sectional Committee, N Delhi
- **Member,**
Engineering Export Promotion Council, N Delhi
- **Member,**
Electronics & Software Promotion Council, N Delhi
- **Member,**
Indo German Chambers of Commerce, Mumbai

CEO

Mr Kamal Goliya

Directors

Mr Jhanwarlal Sipani (Administration)

Mrs Nandita Goliya (Personnel)

Corporate Office & Works

Plot No. EL-1, MIDC Electronic Zone, TTC Indl. Area,
Mahape, Navi Mumbai 400 710. (INDIA)

Tel : 0091-22-27673311-16 (Sales), 27673300 (Board)

Fax : 0091-22-27673310, 27673330

Email : info@mecoinst.com

Web : www.mecoinst.com

Regd. Office

PO BOX 6388, 310, Bharat Industrial Estate,
T J Road, Sewree(W), Mumbai - 400 015 (INDIA)

Authorised Service Centres

Navi Mumbai and Bangalore

Year of Establishment

1962

Banker

M/s Canara Bank, Parel Branch, Mumbai - 400 012 (India)
A/C : 020612, Branch Code : 400015055

In-House R&D Unit

Recognized by Department of Scientific & Industrial
Research, Ministry of Science & Technology Government
of India, New Delhi

Awards and Certifications

Engineering Export Promotion Council
(Government of India)
Awards For Highest Export Of Panel Instruments
1984-85 1994-95 1995-96 1996-97



ISO 9001:2000 CERTIFICATE



2004, 2003, 2004 & 2002



EPC AWARD



EIL APPROVAL



PGCIL APPROVAL

Government of Maharashtra
Award in Appreciation of Export Achievement
1999-2000

Registrations

ISO 9001:2000

Certificate No.191644 Dt. 04.05.2006 - BVQI, London

Recognised In-House R&D Unit

TU/IV-RD/1973/1999-2000 Date 06.04.99

Renewed upto 31.03.2008

Small Scale Industry / SME

11-07-19723-PMT-SSI Date 08.01.62 (Sewree)

112486748 Date 09.03.2006 (EL-1, Mahape)

270211101207 Date 28.11.2007 (EL-1, Mahape)

Municipal Licence

CESS NMMC/CEG/05/01421 Date 18.10.2004

NSIC Registration No.

Permanent No.NSIC/GPB/RS/M-14/MH-32762

Date 14.03.90

VAT (Central)

27940002826C

VAT (Local)

27940002826V

Central Excise Registration No / ECC No.

AAACM2883QXM002

Range & Address

V, CGO Complex, Belapur, Navi Mumbai - 400614

Division & Address

III, CGO Complex, Belapur, Navi Mumbai - 400614

Permanent Income Tax No. (PAN)

AAA CM 2883 Q

Company's Act

14477 Date 15.12.1969

Factory Act

Thane - 2(m)(i)/31/06/31909

Date 29.03.2006

Import Export Code Number

0388036184



Company Profile

Product Profile

Panel & Switchboard Instruments

- Multifunction Panel Meters
- Digital Panel Meters
- Modules
- Power Line Transducers
- Analog Panel & Switchboard Meters

Test & Measuring Instruments

- Digital Multimeters
- Digital Clampmeters / Tong Testers
- Analog and Digital Insulation Testers
- Clamp-On Earth / Ground Resistance Testers
- Leakage Current Testers

Power & Harmonics Analyzers

- Clamp-On Power and Harmonics Testers
- Power and Harmonics Analyzers
- Energy Auditors
- 3 ϕ / 1 ϕ Clamp-On Power Meters (Load Manager)
- Clamp-On Current Transformers

Calibrating Equipments

- 3 Phase Calibrator
- AC Multifunctional Calibrator
- Universal Calibrator
- Multifunction Process Calibrator
- Electric Energy - Saving Tester



| Industry Segments | | Exports To Over 50 Countries | | | |
|---------------------------|-----------------------------|------------------------------|-----------|--------------|-----------|
| Automobile | Paper | Argentina | Finland | Mexico | Spain |
| Automation | Petrochemical | Australia | France | Nepal | SriLanka |
| Aviation | Pharmaceutical | Austria | Germany | Netherlands | Sudan |
| Cement | Power Utilities | Bahrain | Greece | New Zeland | Sweden |
| Celluler Service Provider | R & D Organization | Bangaladesh | Hungary | Oman | Syria |
| Chemical | Railway | Belgium | Indonesia | Peru | Tanzania |
| Testers | Refractories | Brazil | Iran | Philippines | Thailand |
| Defence | Rubber & Plastic | Canada | Iraq | Poland | Turkey |
| Educational Institutions | Scada | Chile | Italy | Portugal | UK |
| EEE Manufacturer | Shipping | Colombia | Japan | Qatar | USA |
| Fertilizer | State Electricity Boards | Denmark | Kenya | Romania | Uganada |
| Food Processing | Sugar Plants & Distilleries | Egypt | Kuwait | Saudi Arabia | Venezuela |
| Hotel & Tourism | System Houses / Integrators | Ethiopia | Lebanon | Serbia | |
| Mining & Metallurgy | Telecommunication | Fiji | Malaysia | Singapore | |
| Oil / Gas / Petroleum | Textile Plants / Mills | | | | |

On Approved List of Major Consultants and Customers

| | | | |
|----------------------------------|-----------------------------------|--------------------------------|-------------------------------|
| ABB | Hutch | Powerdeal | KLG System Limited |
| ACC | KSEB | Reliance Energy Ltd. | PSEB |
| Ahmedabad Electricy Co. | L&T Automation | Raychem R.P.G. | PDIL |
| Airport Authority of India | LAMCO | Dept. of Space | Rail Coach Factory |
| ALIND | LMW | DOT | RCF Limited |
| Alstom Limited | Maihar Cement Limited | Easun Reyrolle Limited | Reliance Industries Limited |
| Amara Raja Group | Maruti Udyog Limited | ECIL | RRVPNL |
| APLAB Limited | MICO | ERTL | SAIL |
| APSEB | Ministry of Defense | GE Industries Limited | Sardar Patel College Of Engg. |
| A.P. Power Generation | MPEB | Grasim Industries Limited | Siemens Limited |
| Ashida Electronic Pvt. Ltd. | MRPL | GSEB | Stelmec Limited |
| Bajaj Auto Limited | MSEB | Gail India Limited | S.S. Controls |
| BARC | MTNL | Hindalco Industries Limited | Schenk Rotec (I) Ltd. |
| Bhartia Industries Limited | MSEDCL (MAHADISCOM) | Hindustan Zinc Limited | Tata Chemicals Limited |
| BHEL | MSETCL | HPCL | Tata Power Limited |
| BSES | MSPFCL | Havells | Honeywell Automation Limited |
| BSNL | Mahanagar Gas Limited | IDEMI | TELCO Limited |
| BEST | Neel Controls | IIT | TIFR |
| Blue Star Limited | Nelco | INDAL | TISCO Limited |
| Bhushan & Bhushan | NHPC | Indian Oil Corporation Limited | TNEB |
| CLW | NPC | Indian Railways | Toyota Limited |
| Crompton Greaves Limited | NTPC | Indian Telephone Industries | Uniflex Cables Limited |
| C & S Protection | Nuclear Power Corp. of India Ltd. | Institute For Plasma Research | UPPCL |
| Deccan Cement Limited | ONGC | IPCL | Venson Electric Pvt. Ltd. |
| Dynaspede Integrated System Ltd. | Ordnance Factory | ISRO | Vikram Sarabhai Space Centre |
| Dept. of Automic Energy (BARC) | Orient Paper Mills Limited | Indian Ordnance Factory | Visakhapatnam Steel Plant |
| EIL | OTIS Elevators Limited | Jyoti Limited | VJTI |
| ENERCON | PGCIL | Kirloskar Electric Limited | Yokogawa Limited |
| EMC Electronics | Perfect Controls | KPCL | |
| Essar Steel Limied | P.W.D. | Keltron | |



Company Profile

Quality Control Facilities

For Electrical / Electronic QC

- Fluke 5500A Calibrator
- Fluke 5100B, 5220A (Transconductance Amplifier) AC/DC Calibrator
- Yokogawa 2558 AC STD Source
- Yokogawa 2553, 2563, 2564 DC STD Source
- Yokogawa 2533 AC / DC STD Power Meter
- Kikusui 101 & 103 DC STD Source
- AC 3 Phase Test Bench
- AC Single Phase Test Bench
- YEW 2793 Decade Resistance Box
- HP 34401A 6½ Digit Multimeter
- YEW 2885 Standard Watt Converter
- Ampere (Italy) 3 Phase AC Calibrator Model 74T
- RFL - Phase Generator Model 809
- NF - Frequency Synthesizer
- OSAW Senior Kelvin Double Bridge
- Universal Calibrator MECO90A
- Multifunctional Calibrator MECO90DQ

- AC Multifunctional Calibrator MECO90P
- Process Calibrator MECO333
- Jigs / Fixtures for PCB Assembly, Calibration & Final Testing

For Mechanical (Dimensional) QC

- World class Measuring Instruments & Facility with an In-House Tool Room

For Type Test QC

- Vibration Table
- Environmental Chamber
- Life Tester
- Equipment for Damping Test
- High Voltage Tester
- Insulation Tester
- Hair Spring Torque Tester
- Stereo Microscopes 40X, e-Microscope
- Oscilloscopes, DMMs etc.
- Bursting Strength Machine

Echelon of Standards at MECO (Traceable to NPL Standards)

| Acc. | Para | Resistance | D.C.Volts | D.C.Amps | A.C.Volts | A.C.Amps | Watt | Var | P.F. / φ | Hz | Capacitance | Temperature |
|--------|------|-----------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------|------------------------|-----------------------------------------------|
| 0.002% | | H.P. 34401A D.M.M. | H.P. 34401A D.M.M. | | | | | | | | | |
| 0.003% | | Fluke 5100B Calibrator | | | | | | | | | | |
| 0.004% | | | ● Fluke 5100B ● Fluke 5500A Calibrators | | | | | | | | | |
| 0.005% | | | Fluke 8800B D.M.M. | | | | | | | | | |
| 0.006% | | | | | | | | | | H.P. 34401A DMM | | |
| 0.008% | | | | | | | | | | | | |
| 0.01% | | YEW2793 Decade Box | | Fluke 5500A Calibrator | | | | | | | | Ampere 74T Generator Calibrator |
| 0.015% | | | | Fluke 5100B Calibrator | | | | | MECO90P Calibrator | | | |
| 0.02% | | Chitai Ohmmeter | ● YEW 2553 D.C. Voltage Current std. ● MECO90DQ Calibrator | ● YEW 2553 D.C. Voltage Current std. ● MECO90DQ Calibrator | | | YEW 2885 Wall Converter | | | | | |
| 0.025% | | | | ● Fluke 5220A Transconductance Amplifier ● MECO333 Calibrator | | | | | | | | |
| 0.03% | | | MECO90A Calibrator | MECO90A Calibrator | ● Fluke 5500A Calibrator ● MECO90P Calibrator | MECO90P Calibrator | | | | | | ● MECO90P Calibrator ● MECO333 Calibrator |
| 0.035% | | | | | Fluke 5100B Calibrator | | | | | | | |
| 0.05% | | OSAW Senior Kelvin Double Bridge | ● Kikusui 103 D.C. Volt Source ● MECO333 Calibrator | ● Kikusui 101 ● HP 34401A | ● MECO90A Calibrator ● MECO90DQ Calibrator | ● Fluke 5100B Cal. ● MECO90A Cal. ● MECO90DQ Cal. | | | | | | KDK DPF-30 Phase-freq. Meter |
| 0.08% | | | | | YEW 2558 A.C. Volt/Amp. Source | ● YEW 2558 A.C. Volt/Amp. Source ● Fluke 5100B Calibrator | MECO90P Calibrator | MECO90P Calibrator | | | | |
| 0.1% | | | | | ● Fluke 8800A DMM ● Ampere 74T | ● H.P. 34401A DMM ● Ampere 74T | YEW 2533 Power Meter | | | | | ● MECO90A Calibrator ● MECO90DQ Calibrator |
| 0.15% | | | YEW 2563 Voltage Unit | | | | | | | | | |
| 0.2% | | ● MECO90A Calibrator ● MECO90DQ Calibrator | | YEW 2564 Current Unit | | | ● Ampere 74T ● Fluke 5500A Calibrator | ● Ampere 74T ● Fluke 5500A Calibrator | ● Ampere 74T ● Fluke 5500A Calibrator | | | Fluke 5500A Calibrator |
| 0.5% | | | YEW Analog Meter | YEW Analog Meter | YEW Analog Meter | YEW Analog Meter | YEW Analog Meter | | | KDK DPF-30 RFL 809 | | |
| 1.0% | | | | | | | | | | | Balcon Decade Cap. Box | |

Plant & Machinery

- BFW Milling Machine with 3 axis DRO
- Kirloskar Lathe Machine
- Batliboi Shaping Machine
- Drilling Machines 13mm
- Tapping Machines 6.5mm
- Bench Grinder
- Pentograph
- Tool Bit Grinder
- Tanabe (Japan) Coil Winding Machines
- Industrial oven for Burn-In/Aeaging Test/ Burn-in Chamber
- Magnetisers
- Impulse Magnetiser
- Ultrasonic Cleaner
- Oil Dispenser
- Moulding Machine
- Air Compressor
- In House CAD Facility
- Dial Designer
- Belt Conveyor System



Product Certifications by Accredited Laboratories

| Particulars | Certificate No |
|----------------------------------------------------------------------------|-------------------------|
| Analog Instruments | |
| Type Test Reports | |
| ● Moving Iron AC Panel Meter - SQ72 | ERTL (W)/2002 E & S 294 |
| ● Moving Iron AC Volt Meter - SQ96 | ERTL (W)/2002 E & S 295 |
| ● Moving Coil AC Rectifier Type Meter - MLC96 | ERTL (W)/2002 E & S 290 |
| ● Moving Coil AC Rectifier Type Meter - C72 | ERTL (W)/2002 E & S 288 |
| ● Moving Coil AC Rectifier Type Meter - C 96 | ERTL (W)/2002 E & S 287 |
| ● Moving Coil DC Volt Meter - M72 | ERTL (W)/2002 E & S 285 |
| ● Moving Coil DC Volt Meter - M96 | ERTL (W)/2002 E & S 286 |
| ● Moving Coil DC Panel Meter - ML96 | ERTL (W)/2002 E & S 289 |
| ● Electronic Analog Type Watt Meter - 96QW33 | ERTL (W)/2002 E & S 291 |
| ● Electronic Analog Type Frequency Meter - F96 | ERTL (W)/2002 E & S 293 |
| ● Electronic Analog Type Power Factor Meter - 96QF31 | ERTL (W)/2002 E & S 292 |
| ● Electronic Analog Insulation Tester - MC904A-2 | ERTL (W)/2004 E & S 284 |
| ● Electronic Analog Insulation Tester - MC907A-2 | ERTL (W)/2004 E & S 285 |
| EMI and EMC Test Reports | |
| ● Electronic Analog Type Frequency Meter - F72 | ERTL (W)/1998 EMI 00088 |
| ● Moving Coil AC Rectifier Type Meter - MLC96 | ERTL (W)/1998 EMI 00089 |
| ● Maximum Demand Ammeter - BM96S | ERTL (W)/1998 EMI 00090 |
| Safety Test Reports | |
| ● Electronic Analog Type Frequency Meter - F72 | ERTL (W)/1998 SAF 0046 |
| ● Moving Coil AC Rectifier Type Meter - MLC96 | ERTL (W)/1998 SAF 0047 |
| ● Maximum Demand Ammeter - BM96S | ERTL (W)/1998 SAF 0048 |
| Digital Instruments | |
| Type Test Reports | |
| ● Digital AC Volt Meter - SMP35S | ERTL (W)/2004 E & S 276 |
| ● Digital AC Current Meter - SMP35SRS | ERTL (W)/2004 E & S 277 |
| ● Digital DC Volt Meter - SMP35S | ERTL (W)/2004 E & S 282 |
| ● Digital Frequency Meter (4 Digit) - FDM3BS | ERTL (W)/2004 E & S 278 |
| ● Digital Frequency Meter (5 Digit) - FDM5BS | ERTL (W)/2004 E & S 279 |
| ● Digital Power Factor Meter - DPF 31 | ERTL (W)/2004 E & S 281 |
| ● Digital Watt Meter - DWM9634 | ERTL (W)/2004 E & S 280 |
| ● Clamp-On TRMS Power Meter - 3510PHW | ERTL (W)/2004 E & S 257 |
| ● Clamp-On Earth / Ground Resistance & Leakage Current Tester - 4680 | ERTL (W)/2003 E & S 258 |
| | ERTL (W)/2004 E & S 46 |
| ● Digital Insulation Tester - DIT99C | ERTL (W)/2004 E & S 286 |
| ● Digital Insulation Tester - DIT99D | ERTL (W)/2004 E & S 287 |
| EMI and EMC Test Reports | |
| ● Digital Multi Meter - 9A02 | ERTL (W)/2002 EMI 150 |
| ● Power Line Supervisor / Universal Electrical Analyzer - SPVR-96 | ERTL (W)/2002 EMI 147 |
| ● Digital Watt Meter - DWM33 | ERTL (W)/2002 EMI 148 |
| ● Digital AC Current Meter - SMP35SRS | ERTL (W)/2004 EMI 365 |
| ● Clamp-On Earth / Ground Resistance & Leakage Current Tester - 4680 | ERTL (W)/2004 EMI 234 |
| ● 3½ Digital Panel Meter - SMP35SRS | ERTL (W)/2004 EMI 365 |
| Safety Test Reports | |
| ● Power Line Supervisor / Universal Electrical Analyzer - SPVR-96 | ERTL (W)/2002 SAF 46 |
| Power Line Transducers | |
| Type Test Reports | |
| ● AC Current Transducer - CMT | ERTL (W)/2003 E & S 117 |
| ● AC Voltage Transducer - VMT | ERTL (W)/2003 E & S 26 |
| ● Frequency Transducer - FT | ERTL (W)/2003 E & S 27 |
| ● AC Current Transducer (Self Powered) - CMT | ERTL (W)/2004 E & S 283 |
| EMI and EMC Test Reports | |
| ● Active (Watt) Power Transducer - WT34 | ERTL (W)/2002 EMI 149 |
| ● AC Voltage Transducer - VMT | ERTL (W)/2003 EMI 262 |
| ● Frequency Transducer - FT | ERTL (W)/2003 EMI 263 |
| ● Current Transducer with 19V to 90V DC Aux. Supply - CMT | ERTL (W)/2003 EMI 324 |
| ● Current Transducer with 85V to 265V AC Aux. Supply - CMT | ERTL (W)/2003 EMI 327 |
| ● Voltage Transducer with 19V to 90V DC Aux. Supply - VMT | ERTL (W)/2003 EMI 325 |
| ● Voltage Transducer with 85V to 265V AC Aux. Supply - VMT | ERTL (W)/2003 EMI 328 |
| ● Watt Transducer with 19V to 90V DC Aux. Supply - WT11 | ERTL (W)/2003 EMI 326 |
| ● Watt Transducer with 85V to 265V AC Aux. Supply - WT11 | ERTL (W)/2003 EMI 329 |
| ● Current Transducer with Self Powered Aux. Supply - CMT | ERTL (W)/2004 EMI 366 |
| ● Current Transducer - CMT | ERTL (W)/2004 EMI 346 |
| ● AC Voltage Transducer - VMT | ERTL (W)/2004 EMI 347 |
| ● Frequency Transducer - FT | ERTL (W)/2004 EMI 348 |
| ● Power Factor Transducer - PFT31 | ERTL (W)/2004 EMI 349 |
| ● Active Power Transducer - WT33 | ERTL (W)/2004 EMI 350 |
| ● Reactive Power Transducer - RPT33 | ERTL (W)/2004 EMI 351 |