



EFFICIENT METHODS

www.efficientmethods.in



Premier and Reliable Supplier for Bulk items

To improve is to change; to be perfect is to change often.

About us....

We are pleased to introduce our self as a Small Scale Industry, located in Ambad Industrial Area,MIDC, Ambad, Nashik(M.S.) INDIA under the name and style EFFICIENT METHODS. Ours is a registered partnership firm,

We at, "EFFICIENT METHODS" having two business lines.

a) Manufacturing of Copper and Alluminium Bus bars & Connections, Precision Machined Components, Various Electrical Contact Assemblies, Sheet Metal parts. We are specialized in manufacture and supply of various spares and assemblies made of Copper and Alluminium, for low and medium voltage power distribution panels / switch gears.We are in this business since 2001.

b) We have also established ourselves as "**Premier and Reliable Supplier for Bulk items**", since 2011. We are Specialised in supply of Instrumentation, Mechanical, Electrical and Construction Bulk Materials, for projects. We have supplied Premium Quality material to many projects of Oils and Natural gas fields, Electricity generation plants, Oil Refineries, Industries and Construction projects. We have supplied these Bulk items in South Asia including India, Middle East, Africa and Europe.

Ours is a partnership firm. The unit is situated at Ambad Industrial Area, MIDC,Ambad, Nashik(M.S.)INDIA. and ready with complete infrastructure to carry out above business lines.

We at EFFICIENT METHODS give prime importance to:

- ◆ Highest care for quality norms.
- ◆ Minimizing wastages, process rejection and rework.
- ◆ Lowest response time.
- ◆ Focused on complete customer satisfaction.

We are Certified ISO 9001-2008 Company and are in the processes of implementing lean manufacturing & Six Sigma processes controls, for both the business lines.

We can take up your requirement to your utmost satisfaction at whatever volumes.

LIST OF VALUED CUSTOMERS USING OUR PRODUCTS AND SERVICES SATISFACTORILY

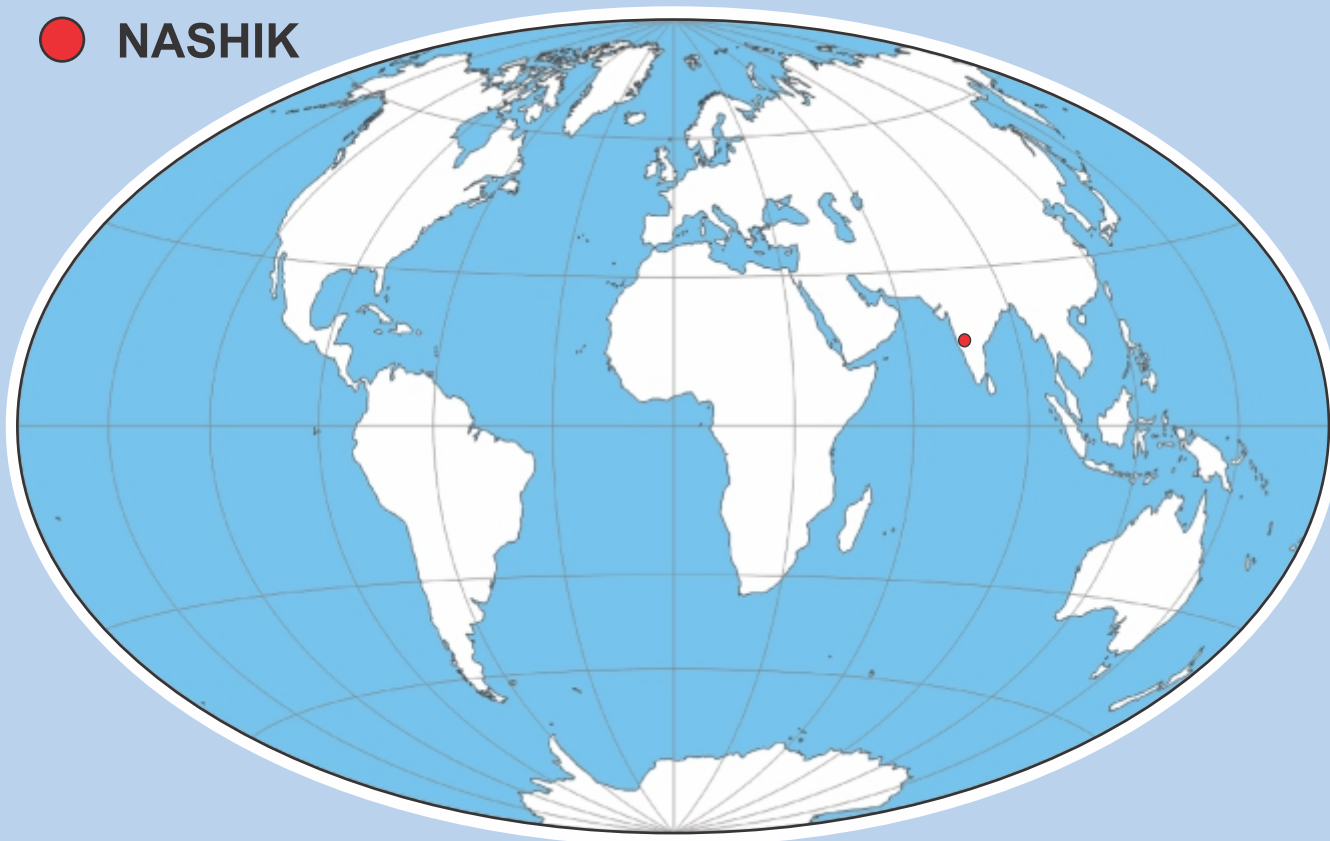
BHARAT HEAVY ELECTRICAL LTD.	INDIA
GUJRAT STATE ELECTRICITY BOARD	INDIA
INDIAN RAILWAY	INDIA
I - SAT ENGG. -IIT	INDIA
KERALA STATE ELECTRICITY BOARD	INDIA
MAHARASHTRA STATE ELECTRICITY BOARD	INDIA
MADHYA PRADESH STATE ELECTRICITY BOARD	INDIA
M/S. ABB INDIA LTD. - AIS DIV.	INDIA
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M/S. ABUL - KHAIR LTD.	BANGLA DESH
M/S. BHARAT PETROLEUM CORPORATION LTD.	INDIA
M/S. CROMPTON GREAVES LTD. - CTPT - CTV DIV.	INDIA
M/S. CROMPTON GREAVES LTD.- MV SWITCHGEAR DIV.	INDIA
M/S. CROMPTON GREAVES LTD.- LIGHTING ARRESTERS DIV.	INDIA
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M/S. DODSAL ENGINEERING & CONSTRUCTION PTE.LTD.	U. A. E
M/S. EATON	INDIA
M/S. GODREJ & BOYCE LTD.	INDIA
M/S. HINDUSTAN ZINC LTD.	INDIA
M/S. INDUSTRIAL ELECTRICAL PROJECTS COMPANY	KUWAIT
M/S. INDIA POWER CORPORATION LTD.	INDIA
M/S. INDIAN PETROCHEMICALS CORPORATION LTD.	INDIA
M/S. JSW - ESSAR OIL LTD.	INDIA
M/S. JACKSON POWER SOLUTION	INDIA

LIST OF VALUED CUSTOMERS USING OUR PRODUCTS AND SERVICES SATISFACTORILY

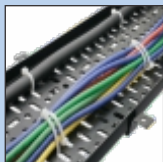
M/S. KEC INTERNATIONAL LTD.	INDIA
M/S. LARSEN AND TOUBRO LTD.	INDIA
M/S. LUCKY ELECTRIC INDIA DIV.	INDIA
M/S. LUCKY ELECTRIC INDIA LTD,- R&D DIV.	INDIA
M/S. MRF LTD.	INDIA
M/S. RELIANCE INDUSTRIES LTD.	INDIA
M/S. SONATRACH ACTIVITE AMONT	ALGERIA
M/S. TATA POWER LTD.	INDIA
NUCLEAR POWER CORPORATION INDIA LTD.	INDIA
OIL & NATURAL GAS CORPORATION LTD.	INDIA
PUNJAB STATE ELECTRCITY BOARD	INDIA

LOCATION

● NASHIK



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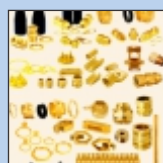
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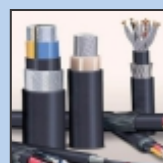
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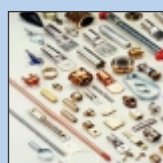
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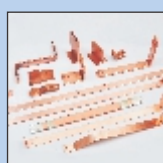
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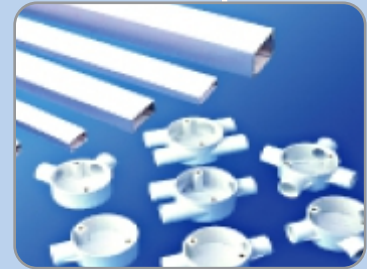
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CABLE MANAGEMENT SYSTEMS

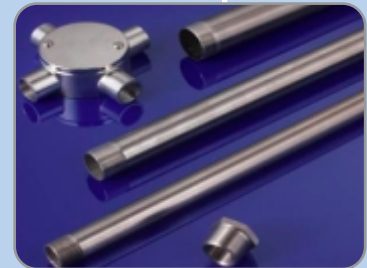
PVC CONDUIT AND TRUNKING SYSTEMS

- Rigid conduit pipes, tting and circular boxes
- Flexible PVC and Nylon Corrugated conduits and ttings
- Mini and Maxi Trunking
- Dado and skirting Trunking



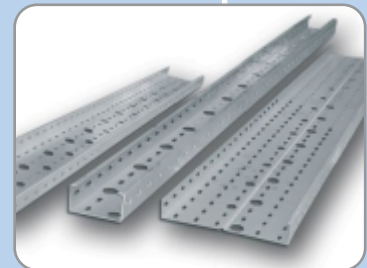
STEEL CONDUIT SYSTEMS

- Rigid Steel conduits to Class 3 electrogalvanized and Class 4 hot dipped galvanized to BS 4568/BS 31
- Malleable junction boxes and ttings for rigid Steel conduits
- Fittings for various exible Steel conduits
- Flexible Steel conduits including PVC coated conduits to BS 731, Low Fire Hazard (LFH) coated conduits, Braided conduits, Liquid Tight PVC coated conduits



CABLE TRAYS, LADDERS AND STEEL SUPPORT SYSTEMS

- Galvanized Steel Cable Trays & ladders- medium/heavy duty and accessories
- Galvanized Steel Trunkings with couplings and lid and accessories
- Steel support systems include channel sections, channel nuts & various brackets and fitments
- Steel wire baskets
- GRP Cable Trays



FLOOR DISTRIBUTION SYSTEMS

- Modular Flush Floor, Raised Floor and Underoor (screed) Distribution Trunking Systems including service boxes, junction boxes , tees, risers and bends





CABLE MANAGEMENT SYSTEMS

CABLES GLANDS/ LUGS/ CONNECTORS/ CLEATS

- BW-CW-EIW-A1/A2 Brass Industrial cable glands to BS 6121
- Increased Safety and Hazardous Area glands EIW-F
- Copper lugs and connectors and Bimetallic lugs
- Cable cleats and xings suitable for majority of low, medium and high voltage cables
- Explosion Proof cable glands, junction boxes



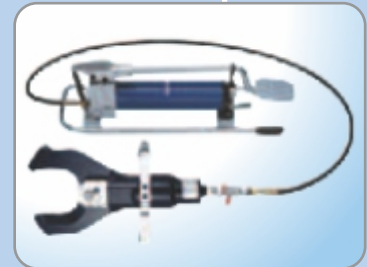
CABLE JOINTING SYSTEMS

- Low Voltage Cable Joints in 1000V AC/1500V DC
- Cathodic Protection Joints with split-bolt line-tap or without connector
- Medium Voltage Heat Shrink 15KV Joints in polymeric, paper and transition types upto 3 core 300mm²



CABLING EQUIPMENT AND TOOLS

- Cable drum trailers and pulling winches
- Cable rollers, cable drum lifting jacks
- Cable crimping and cutting tools - mechanical and hydraulic



OTHER ACCESSORIES

- Flush Steel boxes to BS 4662 in 3"x3" and 3"x6" in depth of 16mm, 25mm, 35mm & 7mm with xed or adjustable brass earth and extension rings
- Surface Steel adaptable boxes to BS 4568 pre-galvanized or hot dipped galvanized
- Nylon Cable Ties
- Nylon and Steel range of cable pulling springs
- Thermoplastic weather-proof junction boxes





LIGHTING & LIGHTING CONTROLS

INDUSTRIAL LIGHTING

- Low Bay and High Bay ttings
- Weather-proof uorescent ttings
- Reector Batten ttings
- Explosion-proof uorescent ttings and ood lights



AREA LIGHTING

- Weather-proof Flood Lights
- Street Lights and poles and accessories
- Garden Lights and Bollards
- Weather-proof Bulkheads
- Buried lights and step lights
- Façade uplighters and downlighters
- Solar-powered garden lights and street lights



DECORATIVE LIGHTING

- Rope lights with controllers
- LED Rope lights
- Decorative Chandeliers and Wall ttings





LIGHTING & LIGHTING CONTROLS

ARCHITECTURAL & COMMERCIAL LIGHTING

- Fluorescent Batten fittings
- Aluminium Louvre recessed/surface mounted fluorescent luminaries
- Prismatic Diffuser recessed/surface fluorescent fittings
- Compact fluorescent lamp & HID downlights
- Low voltage dichoric spot lights
- Striplights / Mirror lights
- Aluminum & Plastic louvres, lenses and diffusers, roll form reflectors
- LED lighting strips/coils, panel lights and downlights



EMERGENCY LIGHTING & CENTRAL BATTERY SYSTEM

- Surface/ Recessed emergency fittings
- Hanging directional emergency lighting
- Fluorescent / Dichoric / LED emergency lighting
- Maintained / Non-Maintained emergency lighting
- Twin spot emergency floodlight- halogen lamp/LED
- Emergency kits for all types of lamps
- Central battery system



PIR/ULTRASONIC MOTION SENSORS/ PHOTO CELLS

- Wall and Ceiling mounted motion sensors/photocells
- External IP rated motion sensors and photocell switches
- Sensors with lights indoor and outdoor

LIGHTING CONTROLS / DIMMING SYSTEM

- KNX/EIB lighting control systems
- DALI/DSI dimming systems





LAMPS & LIGHTING COMPONENTS

FLUORESCENT LAMPS

- T5/T8 linear uorescent tubes
- Circular tubes
- Compact uorescent lamps and Energy saving lamps
- Insect killer lamps



HALOGEN/ INCANDESCENT LAMPS

- Linear tungsten halogen lamps
- Low Voltage dichroic lamps
- GLS bulbs, candle & luster bulbs, reector bulbs



HID LAMPS

- Blended and High Pressure mercury lamps
- High pressure sodium lamps
- Metal Halide lamps - double ended/screw type base/G12 base

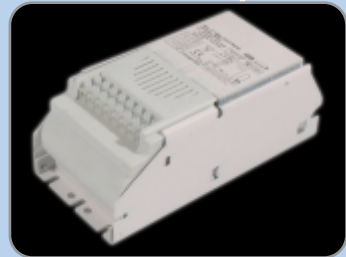




LAMPS & LIGHTING COMPONENTS

BALLASTS/ TRANSFORMERS AND CONTROL GEAR

- Magnetic fluorescent and compact fluorescent lamp ballasts- Standard/Low Loss
- Electronic fluorescent and compact fluorescent lamp ballasts-Fixed Output/Dimmable (Digital/Analogue)
- Magnetic low voltage transformers for dichroic lamps
- Electronic low voltage transformers for dichroic lamps with Leading/Trailing Edge dimming
- Magnetic ballasts-high pressure mercury, sodium and metal halide
- Open/Closed magnetic control gear for HID lamps
- Electronic control gear- high pressure sodium and metal halide
- Capacitors, ignitors and fluorescent lamp starters



LEDs AND CONVERTERS

- LED Modules/Chains/Strips and accessories
- Retrofit LED lamps for dichroic/incandescent
- Constant Current/Constant Voltage LED converters
- PWM Dimmers/Sequencers and Boosters



SPECIAL LAMPS

- U V Disinfection lamps for purification applications
- Stage/ Theatre/ Film/ Studio lamps
- Lamps for cinema projectors
- Phototherapy lamps





LOW VOLTAGE SWITCHGEAR COMPONENTS

MODULAR DISTRIBUTION BOARD COMPONENTS

- Miniature Circuit Breakers 3KA/6KA/10KA to IEC 60898 and plug-in type
- Earth Leakage Circuit Breakers
- DIN Rail Mounted Isolators
- Modular contractors
- Fuse carriers



MAIN DISTRIBUTION/ PANEL BOARD CIRCUIT BREAKERS

- Air Circuit Breakers (ACBs) 800A-6300A
- Moulded Case Circuit Breakers (MCCBs) 16A-2000A to IEC 60947



LOAD BREAK ISOLATORS/ ENCLOSED ISOLATORS & CHANGEOVER SWITCHES

- Load break disconnecting switches/ isolators
- Enclosed Isolators and Safety Switches
- Weatherproof Isolators and Main Switches in die cast/polycarbonate
- Manual and Motor operated Changeover switches



POWER FACTOR CAPACITOR BANK COMPONENTS

- Power factor Capacitors 2.5KVAR to 50KVAR
- Reactors for control of Harmonics
- Power factor Regulators- 5-14 steps





LOW VOLTAGE SWITCHGEAR COMPONENTS

CONTROL AND AUTOMATION PRODUCTS

- AC/DC block and mini contractors and overload relays
- Capacitor duty contractors
- Manual motor starters
- DOL/ Star-Delta starters
- Programmable Logic Controllers (PLCs)
- Operator Panels- Control Panels and software
- Pluggable Interface Relays
- Current Sensors, Limit Switches, Current Transducers and Voltage Sensors
- Electronic Timers
- Measuring and Monitoring relays (single/three phase)
- Switch mode power supplies
- CAM Switches and Selector Switches
- Pilot & Signalling Devices- Pilot Lamps and Push buttons



DRIVES AND SOFT STARTERS

- Low Voltage AC drives
- Soft Starters



DISTRIBUTION BOARDS AND ENCLOSURES

- Row-type modular distribution boards
- Type-tested Panel Boards
- Way-type Distribution Boards
- Monobloc wall-mounted and floor-mounted IP rated Enclosures
- Sheet steel/ Stainless steel and Polyester (GRP) Enclosures
- Terminal and industrial boxes
- Data and communications network Enclosures

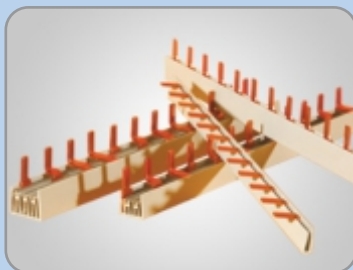




LOW VOLTAGE SWITCHGEAR COMPONENTS

PANEL BOARD ACCESSORIES

- Flexible Panel Wires to BS 6231
- Push buttons & indication lamps
- Thermal control products for panels - fans, heaters, thermostats
- Digital panel multifunction meters & timers
- Earth leakage relays & toroidal transformers
- Ammeters/Voltmeters, PF meters
- Current Transformers
- Control Transformers
- Slotted Trunking
- Busbar Sleeves, Cable Markers & Spirals
- Wire end, lugs & connectors
- Terminal Connectors
- DIN rails
- Bakelite sheets
- Tinned copper busbars
- Comb/Fork type busbars
- Fuses and Fuse bases
- Busbar supports & DMC insulators





WIRING ACCESSORIES

BRITISH/EUROPEAN STANDARD WIRING ACCESSORIES

- Moulded/Metal nish wiring accessories
- Modular/Grid switch systems
- Weather-proof switches and sockets
- Pendant/Batten holders
- Standard/Plug-in type ceiling roses
- Plugs and Multi-adaptors
- Extension/Trailing sockets and cable reels
- IEC Standard Industrial Plugs and Sockets



COMMUNICATION ACCESSORIES

- Telephone line jack with/without capacitors
- Box connection units and 10 pair connection modules
- RJ45 Data outlets for Cat5E and Cat6 cabling systems
- Patch cords and Patch panels
- Wall-mounted enclosures in 6U, 9U and 12U for 19" patch panels



DIMMERS

- Lighting Dimmers from 250W to 1000W
- Fan Dimmers
- High Power Dimmers upto 5000W and Touch Dimmers



PVC CONNECTORS AND TERMINAL BLOCKS

- PVC/Polyamide strip connectors
- Connectors for lighting industry
- Terminal Blocks for Appliances





POWER /COMMUNICATION CABLES & WIRES

SINGLE CORE WIRES

- PVC Insulated Building Wires 450/750V to BS 6004
- XL/LSF Insulated Building Wires to BS 7211
- Bare Copper Conductors



XLPE INSULATED CABLES

- XLPE Armoured Cables 0.6/1KV to BS 5467
- XLPE Unarmoured Cables 0.6/1KV to IEC 60502
- LSF Armoured/ Unarmoured Cables 0.6.1KV to BS 6724
- XLPE Armoured Cables - 11KV-33KV to IEC/DEWA/ADWEA



MULTICORE INDUSTRIAL CABLES

- PVC Insulated/Sheathed Flexible Cables to BS 6500 (type 3183Y/3184Y)
- HRPVC Insulated/Sheathed Flexible Cables to BS 6500 (type 3093Y/3094Y)
- Twin Flat Cables to BS 6500 type 6242Y
- Special PVC Control Cables Screened/Unscreened



RUBBER CABLES/WELDING CABLES

- Rubber Insulated and Sheathed Cables type H07RNF
- Silicon rubber insulated High Temperature Wires
- Welding Cables to BS 638





POWER /COMMUNICATION CABLES & WIRES

PANEL/SWITCHBOARD AND BATTERY CABLES

- Tri-rated Flexible Panel Wires 105 °C to BS 6231 and complying to IEC, CSA and UL standards
- Battery/Auto Cables to BS 6862



FIRE PERFORMANCE CABLES

- FP200 Type Cables CWZ to BS 6387
- FP400 Type Fire Performance Cables to BS 7846



TELEPHONE /DATA /FIBRE-OPTIC / INSTRUMENTATION/CO-AXIAL CABLES

- Indoor Telephone Cables Type CW 1308
- External grade Telephone Cables jelly lled Type CW 1128/1179
- Cat 5E/Cat 6 UTP/FTP Data Cables
- Fibre-optic Cables - Single mode/Multi mode and Composite Cables
- Instrumentation Cables to BS 5308
- Coaxial Cables





MISCELLANEOUS PRODUCTS

EARTHING & LIGHTNING PROTECTION

- Copper bonded earth rods to BS 6651
- Solid copper earth rods to BS 2874
- Lightning Protection and Grounding
- Surge Protection
- Exothermic Welding connections



DOMESTIC AND COMMERCIAL VENTILATION

- High performance ceiling fans
- Domestic Wall fans, Stand fans, Table fans and Orbit fans
- Wall/Glass mounted exhaust fans including auto- shutter fans
- Ceiling mounted exhaust fans
- Coaxial Duct fans



INDUSTRIAL VENTILATING SYSTEMS

- Metal exhaust fans with option of louvres
- Industrial Air Circulators in single phase/three phase
- Industrial man coolers and centrifugal fans
- Roof extractors suitable for at/inclined roofs
- Axial Flow fans including multistage, high performance fans
- Air curtains





MISCELLANEOUS PRODUCTS

BELLS / BUZZERS, INTERCOMS & DOOR ENTRY SYSTEMS

- Electronic or mechanical Bells
- Bells with external transformer
- Remote Bells
- Industrial Buzzers
- Intercoms & Video Door Phones
- Video & Audio Door Entry Systems



ELECTRIC TAPES

- High grade Vinyl Plastic Electrical Tapes
- High voltage Insulating and Shielding Tapes
- Special purpose Tapes



VOLTAGE STABILIZERS

- Servo-motor controlled and relay type stabilizers
- Ranges from 500VA to 10,000VA



TESTING AND MEASURING INSTRUMENTS

- Analogue and Digital Multi-meters
- Voltage Testers
- Analogue and Digital Clamp Meters
- Insulation/ Continuity Testers
- Earth Testers





MANUFACTURER OF SWITCH GEAR PARTS & ASSEMBLIES

- Bus-Bar & Connection-Cu & Al (Cutting, Punching,Bending,Prc & Recom Sleeving,Silver/Tin/Nickel Plating, etc.)
- 3D Bus-Bar & Connection- Solid & Hollow
- Isolating Contact Finger Assembly
- Truncking Chamber Assembly-Cu & Al
- Roof Bushing Assembly
- Tulip Assembly
- Vertical Isolating Assembly
- Earthing Contact Assembly
- Connector- Cu & Al Various
- Contact Finger
- Moving Contact Block & Internal Block
- T & L Section Contact Block
- Misc Al. & Cu. Breaker Components
- Flexible Lamination
- Heat Sink, Adapter
- Alluminium Flanges
- Alluminium Panel Handle
- Hinge Block
- Charging Handle
- Racking Handle
- Sheet metal Components



TUVINDIA

Certificate

Management system as per
ISO 9001:2015



The Certification Body TUVINDIA PVT. LTD. hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015 that the organization

EFFICIENTMETHODS
F-101, 102 MIDC Ambad,
Nashik – 42 2010,
Maharashtra,
India



operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Manufacture and Supply of Precision Machined & Fabricated Components, Sheet Metal Components and Assemblies.
Provision of Electroplating & Metal Surface Treatment

Certificate Registration No. QM 01 00825
Audit Report No. Q 8968/2018

Valid from 30.09.2024
Valid until 29.09.2027
Initial certification 30.09.2018



Visit our database to
verify the validity of
this certificate.

Mumbai, 08.09.2024

Certification Body at TUVINDIA PVT. LTD.

TUVINDIA PVT. LTD.
801, Raheja Plaza 1, L.B.S Marg,
Ghatkopar (W) Mumbai – 400 086,
India
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TUVNORDGROUP

Quality Policy

We at **EFFICIENT METHODS** are committed to Manufacture & Supply defect free products as per the customer requirement. And achieve total customer satisfaction through continual improvement in all areas of the Operations and Quality Management Systems.



Milind Pagar
Chief Executive Officer
1st October 2012

इफीशिएन्ट मेथडस् गुणवत्ता धोरण

आम्ही, इफीशिएन्ट मेथडस् परिवारातील सर्व, निश्चय करतो की, आम्ही बनविलेले उत्पादन व पूरवठा, दोषविरहीत तसेच ग्राहकांच्या गरजांनुसार व मानकांनुसार करू. उत्पादनाच्या सर्व टप्प्यांमध्ये सातत्याने सुधारणा करून, आमच्या ग्राहकांचे समाधान करू. तसेच गुणवत्ता व्यवस्थापन प्रणालीच्या परिणामते मध्ये सुधारणा करू.



मिलिंद पगार
मुख्य कार्यकारी अधिकारी
१ ऑक्टोबर २०१२



EFFICIENT METHODS

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