



MEERA ENERGY SERVICES

Build. Connect. Power. Protect. Services

Me

COMPANY PROFILE

2023/24



Testing & Commissioning
System Maintenance
System Study & Co-ordination
Material Sales/Supply

|| Government Authorized Electrical Contractor ||

INTRODUCTION

Meera Energy Services is a leading firm in electrical contracting, providing state-of-art power and electric solutions that are meeting the needs of leading public and private sector clients. The firm owned government approved electrical contractor license issued from Energy and Petrochemical department, Government of Gujarat state.



MEERA

ENERGY SERVICES

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ABOUT US

We are passionate about providing highly specialized services to industrial electrical applications. Our team of expertise allows us to efficiently work in the field of service necessary to keep nation up and running.

Meera Energy Services offers a broad range of electrical services included testing and commissioning for substations up to 33KV, predictive and preventive maintenance, power system study using latest etap software and trading of electrical material. The firm includes a team of professional engineers who understand the needs of the system and bring their expertise to each job.

The firm focuses on quality workmanship, on-time work completion and strict attention to safety standards to help them ensure 100% client satisfaction.

VISION

To become a top leading Electrical engineering company in the nation while delivering best services and best products with most competitive price.

MISSION

To provide the most reliable service with the best affordable products, state-of-the-art technology and superior financial strength, completing job on-time and on budget.

We are committed to achieving business and financial success while leaving a positive imprint on society.

OUR TEAM

We operate a team of qualified professionals with expertise in the field. Our team gives us capacity to take on a wide range of projects of all sizes, and offer our customers an impressive turnaround time on all projects.

OUR KEY SERVICES

Our technical know-how and many years of experience in this complex infrastructure space means that we can provide innovative solutions for a broad range of our clients. We can provide tailored electrical services to meet operational requirements.

Key services we provide including:

TESTING AND COMMISSIONING

Testing and commissioning services associated with substations up to 33KV system

MAINTENANCE

Maintenance solutions for industrial and commercial sectors along with customized staffing solutions

SYSTEM STUDY

Power system study and Relay co-ordination on latest E-TAP software

MATERIAL SUPPLY

Comprehensive material trading services to end users and retailers



TESTING AND COMMISSIONING

Meera energy provides pre-commissioning and routine testing services associated with substation up to 33KV system voltage equipment. Our expertise team of engineers capable of carrying out the job by mitigating system aspects as per standard procedures.

We offers a wide range of testing and commissioning services for industrial and commercial customers.

Our testing and commissioning services range encompasses:

LV & MV PANEL BOARD (up to 33KV System Voltage)

We provide complete panel board testing solution to ensure healthiness of the equipment and proper wiring connections as per system requirement.

- M:** Busbar Testing
- M:** Scheme Testing for power and control wiring checks
- M:** Switching device Testing (VCB, ACB and MCCBs)
- M:** Protection relay Testing (Numerical/Electromechanical)
- M:** Instrument Transformer Testing (CT, PT and Control TR)
- M:** HT and LT Cable Testing

Circuit Breaker Testing (VCB; ACB; MCCBs)

We operate a specialize team for Circuit breaker Testing of any make (ABB, Siemens, Schneider, Jyoti etc.) with system voltage up to 33KV indoor or outdoor type.

Electrical Package Testing

- M:** Transformer Testing (Power; Distribution; Auxiliary)
- M:** LT Motor routine and pre energization Testing
- M:** High Voltage HVAC and HVDC Test
- M:** Protection scheme simulation Testing
- M:** UPS and Battery Charger system pre commissioning Testing
- M:** Electrical Pump package system pre commissioning Testing
- M:** Electrical Lighting and Earthing package Testing

Solar System Testing (up to 33KV System Voltage)

We are providing pre commissioning and annual testing services for solar plants at AC voltage distribution system side.

- M:** ICOG Panel Testing
- M:** Circuit Breaker and Protection system Testing
- M:** Protection scheme Testing
- M:** IDT and Auxiliary Transformer Testing
- M:** Transformer Oil BDV and DGA Testing (Off site)



Meera Energy owned following testing equipment sets to carry out successful testing and commissioning activities:

LIST OF OUR TESTING EQUIPMENT

- M:** Secondary Injection Relay Testing Kit
- M:** Primary Injection Kit set (up to 2000A)
- M:** HVAC and HVDC High Voltage Kit set (up to 40KV)
- M:** Transformer Winding Resistance Test Kit
- M:** CB Timing Measurement Kit
- M:** CB Contact Resistance Measurement Kit
- M:** AC and DC Voltage Source Kit
- M:** Knee Point Voltage Test Kit

Specialized testing kits will be available as per requirement on prior notification by client.

ELECTRICAL MAINTENANCE

We delivers high quality maintenance outcomes for various industrial sectors. Our team of qualified professionals ensure that every job, no matter the size and complexity is carried out in a safe and professional manner. Our trained technical staff are capable for resolving the most complex of electrical issues. They have built a solid reputation within the market, with client satisfaction guaranteed. To minimize the risk of down time, Meera Energy is able to work closely with your maintenance team that tailored to your specific requirements.

Meera Energy suite of maintenance services to the various industrial sector encompasses:

- M:** Predictive & Preventive maintenance services
- M:** Overhauling and maintenance of ACB; VCB and Panel board
- M:** Identification, Recommendation and Supply of spares
- M:** Replacement of spares
- M:** Technical Expert advice on observations / incidents
- M:** Transformer Solutions including Oil Filtration, Leakage attending, On-site oil sample collection and routine testing by approved NABL certified laboratories



Meera Energy also offers commercial maintenance services to clients which includes programmed maintenance schedules, scheduling and completion of routine electrical systems maintenance with our emergency response team available 24/7 hours.

- M:** Switchboard and metering alternation
- M:** Standby Generator
- M:** Emergency management systems
- M:** Light and power installation
- M:** Exit and emergency lighting
- M:** 24/7 maintenance and servicing

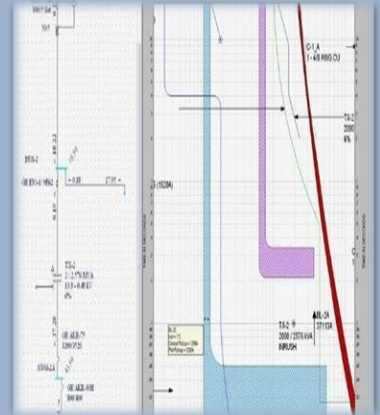
POWER SYSTEM STUDY

MES offers system studies and relay co-ordination services by using latest ETAP software. Power system studies are essential tools in understanding the expected performance of an electrical system and determining the severity of a fault or other unexpected event. The data contained within a power system study can be used to safeguard workers by calculating the level of personal protective equipment involved and reduce damage to equipment by optimizing the fault clearing capabilities of protective devices.

We are providing different types of power system studies, each with their own special purpose and calculation method. Each analysis is unique to a particular power system:

RELAY CO-ORDINATION STUDY

Relay Co-ordination Study ensures selective fault isolation and coordinate the protective devices from load to source to minimize disturbance to the healthy portion of power system. With the help of Time Current Characteristic curves (TCC), generated by ETAP, we adjust time intervals between adjacent relays to make sure that the fault is isolated within the thermal withstand capability of Circuit Breakers, Transformers and Cables.



SHORT CIRCUIT STUDY

Study results help in comparing with short circuit current rating of Circuit Breakers, Switchgear, Cables, Transformers. These results are also used in selecting new electric equipment, Ground Grid Design, Relay Settings, Arc Flash Hazard calculations.

ARC FLASH HAZARD STUDY

The purpose of the arc-flash analysis is to determine the arc-flash incident energy levels and flash-protection boundary distances of electrical equipment based on results found in short-circuit and coordination studies.

LOAD FLOW STUDY

Load flow studies provides an analysis of all possible operating scenarios and identifies overloaded equipment. Included within the load flow study is a tabulation of the data used to model the system components and a corresponding one-line diagram.

MATERIAL SUPPLY

Meera energy services provides a comprehensive service to end users in the supply of electrical materials. We supply the full range of electrical components, spares, maintenance aerosols, electric cables and accessories, lighting product, solar product, MCC's & DB's, control system products, electrical tools, safety PPEs and equipment.

Amongst the vast spectrum of products we supplies:

ELECTRIC CABLES



- ME Cable accessories
- ME Cables & wires
- ME Cable glands & boxes
- ME Cable joints & terminations
- ME Cable lugs
- ME Cable support systems

SWITCHGEAR PRODUCT



- ME Circuit breakers and Accessories
- ME Control and Distribution Panels
- ME Electrical enclosures
- ME Flame proof Equipment
- ME Fuses and Connectors
- ME Power and control contactors
- ME Protection and monitoring relays
- ME Timers & accessories
- ME Meters & accessories
- ME Electric motors and starters
- ME Batteries & power pack

LIGHTING AND LAMPS



- ME Industrial Light Fittings
- ME Lamps
- ME Lighting Protection Eq.
- ME Chokes and Ballasts
- ME Holders and fittings
- ME Plugs and sockets
- ME Switches and Sensors
- ME Cable support systems

SOLAR PRODUCTS



- ME Wires & cables
- ME Solar modules
- ME Connectors
- ME Physical support product
- ME Grounding solutions
- ME PV jumpers & pigtails
- ME Cable support systems

TRANSFORMER PRODUCTS



- ME Protection equipment: Buchholz relay, Magnetic oil gauges, Pressure relief valves, Thermometers etc.
- ME Accessories Component: Bushings, dehydrating beads, breathers, rotary tap switches, sight oil gauges and flags, valves

MAINTENANCE CHEMICALS

- ME CRC lubricants
- ME Precision cleaners
- ME Protection and corrosion inhibitors
- ME Contact cleaners
- ME Aerosols, Sprays, Coatings



ELECTRIC AND HAND TOOLS

Insulated tools, cable shears, crimping tools, cutters and pliers, electronic & hydraulic tools, insulation tapes, measuring tools, miscellaneous, power tools, wrenches, tool kits, etc.



SAFETY PRODUCTS

Our safety division supplies Electric LOTO Accessories, Earthing Rod, Rubber mat, Arc Flash Suits, Electrical Hand gloves, Safety Boots, Spectacles & Face Shield and all related safety products.



Amongst the vast spectrum of products we are supplying for the following key brands:

ABB

SIEMENS

Schneider
Electric

L&T SWITCHGEAR
SAFE & SURE

elmex
since 1963

SIBA
FUSES

Raychem

3M

FOGATE

KEI

dowell's

AE Automatic
Electric Ltd.

pla
Millions Of Relays In Use...

RISHABH
INSTRUMENTS

APAR
Tomorrow's solutions today

CRC

HALONIX

selec
Creating Best Value

OMRON

FLUKE

HICOOL
Air Moving Products

Panasonic

Me

OUR CLIENTEL



IndianOil



bhansali ENGINEERING POLYMERS LIMITED



Energizing Sustainability



BEST VALUE CHEM PRIVATE LIMITED
Creative & Competitive Chemistry



TATA PROJECTS



ESSWIN



HERO FUTURE ENERGIES
planet positive power



SAHASRADHARA ENERGY PVT LTD



TRANSTECH CREATION



ALPHA ENGINEERS

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