



NAVYA ELECTRICAL

**Transformer Servicing,
Maintenance & Repairs**

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info.navyaelectrical@gmail.com

www.navyaelectrical.com

WHY CHOOSE US ?

24/7 SERVICE, 365
DAYS A YEAR

EXPERIENCED
ENGINEERS

OUR ACHIEVEMENTS



OUR VISION

To provide quality of service unsurpassed throughout the Industry with the instant solution and highest satisfaction.

WHO WE ARE ?

NAVYA ELECTRICAL provides a full range of services and support for electrical substation and wind/solar generation power plants. With more than 5 years experience, we have the right staff and expertise to provide the best service, maintenance and repair of any equipment in the field of power transformers.



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ELECTRICAL**
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OUR SERVICES

TRANSFORMER REPAIRING

We are providing a wide range of field services covering transformers and transformer components. We provide manufacturer recommended maintenance, scheduled routine servicing and component repairs, including bushings, connections, circuit breakers, electrical and electromechanical assemblies, gaskets, pumps, coolers, fans, valves, gauges, and tap changers

TRANSFORMER OIL FILTRATION

We can provide oil filtration services for transformers of any size throughout a large geographical area.

Oil quality is enhanced through:

- Removal of water vapors (free stand or oil dissolved)
- Removal of particulate material
- Acid neutralization
- Degasification: remove dissolved gases such as Ethane, Methane, Hydrogen, Acetylene, Ethylene, Carbon Monoxide and Carbon Dioxide

ERECCSION & COMMISSIONING

Navya Electrical provides complete Power Transformer Installation and Testing, Circuit Breaker testing, Circuit Switchers, Battery Banks and Chargers, Air Switchers, and Relays

WE PROVIDES PERIODIC SERVICE AND SCHEDULED MAINTENANCE TO HELP EXTEND THE LIFE AND IMPROVE THE RELIABILITY OF TRANSFORMERS, CIRCUIT BREAKERS, SWITCHES AND OTHER HIGH VOLTAGE EQUIPMENT.



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OUR SERVICES

TRANSFORMER TESTING & (A.M.C)

Testing identifies the need for simple repairs and adjustments that may prevent costly repairs and downtime in the future.

Tests Performed

The range of tests includes:

- Insulation Resistance
- Transformer Turn Ratio
- Winding Resistance
- Power Factor

Current Transformer Test (CT)

- Polarity
- Tap Location
- Saturation
- Insulation resistance (Megger)

Equipment Used

Navya Electrical uses Doble and Omicron testing systems:

- TTR Test Set
- Power Factor Test Set
- Insulation Resistance Test Set
- Moisture/Dewpoint Test Set
- Current and Voltage Power System Simulator
- Current Transformer Excitation, Ratio, and Polarity Test Set
- Sweep Frequency Response Analyzer
- Current, Voltage & Resistance Multi-Meter
- RTD (Resistive temperature Device) Temperature Calibrator

Test Report and Analysis

After the test program is completed, a report is compiled and results submitted to the customer



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We Are Providing Spares

CREP PAPER
2MILL,ETC...
15MM, 20MM, 25MM



INSULATION GUM



SUPER FINE



COEK GASKET BELT
25 MTR ROLL
40*4, 40*5, 50*5 ETC...



**ALUMINIUM FLUX
POWER**



BREATHER
250GM,500GM,1KG,2KGETC.



CORK GASKET KIT
LV+HV SET -19 NOS 250AMP



COTTON TAPE
0.5", 1", 1.5"

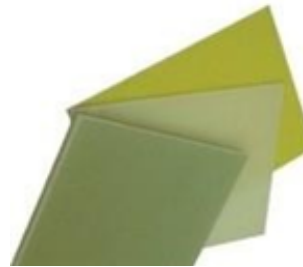


We Are Providing Spares

SILICON SLEEVE
1MTR
1MM,2MM,3MM,4MM,5MM



FRE SHEET



BAKELITE SHEET



FRP NUT-BOLT



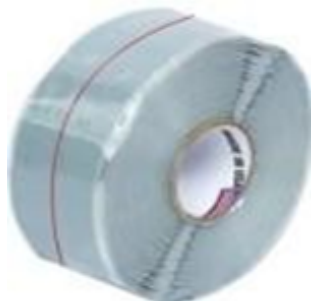
FRP PIPE



ELECTRICAL INSULATION TAPE



FIBER GLASS INSULATION TAPET



NOMEX INSULATION PAPER



We Are Providing Spares

**NEOPRENE
RUBBER O-RINGS**



NEOPRENE RINGS



LV BUSHING



HV BUSHING



INDOOR BUSHING



EPOXY INSULATOR



INSULATOR



**ON LOAD TAP
CHANGER**



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ELECTRICAL**
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We Are Providing Spares

**OFF LOAD TAP
CHANGER**



BUSHING CLAMP
250A/630A/2000A/3150



ARCING HORNS
250A/630A



**FLEXIBLE BUSBAR
CONNECTORS**



**LAMINATED COPPER
FLEXIBLE JUMPER**



LV COPPER BUSBAR



**LV BUSHING WITH
METAL PART SET**



LV METAL PARTS



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HV METAL PARTS



CONNECTION LUGS M12/M16/M20/M32/M42/M48



ALUMINIUM/COPPER LUGS



BIMETALLIC CONNECTORS



BRASS VALVE



BRASS NUTS



AIR RELEASE PLUG BRASS



OIL LEVEL GAUGE



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OIL TEMPERATURE GAUGE



BUHCHOLZ RELAY



RADIATOR VALVE



EPOXY BUSHING

- (1) 1.1KV / 1100 AMP (SINGLE TERMINAL)
- (2) 1.1KV / 1400 AMP (SINGLE TERMINAL)
- (3) 1.1KV / 2150 AMP (SINGLE TERMINAL)
- (4) 1.1KV / 3300 AMP (SINGLE TERMINAL)
- (5) 1.1KV / 4000 AMP (SINGLE TERMINAL)



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