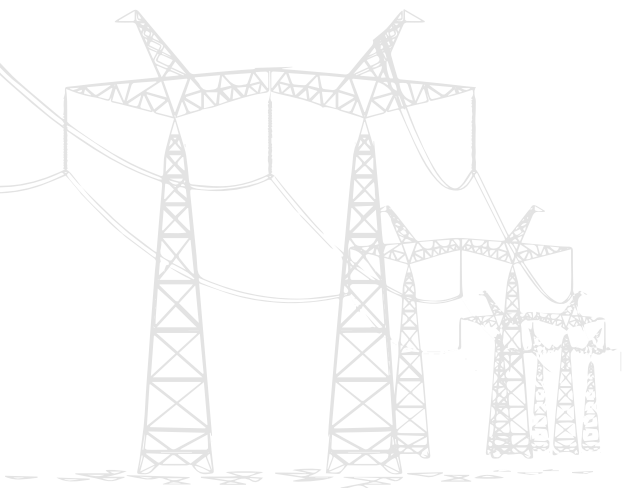




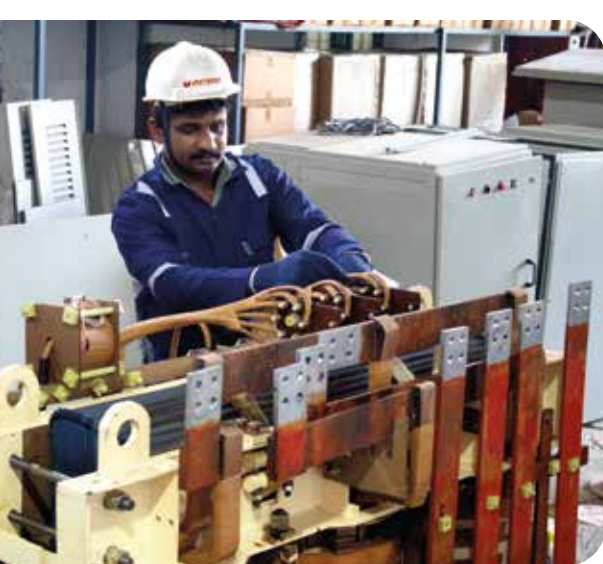
IS 1180
Part 1
CM/L-6400122494

UNITECH
ELECTRICAL INDUSTRIES
— saving energy, saving nation —



Transformers
USS
HT Switchgear

Repairs
Overhauls
Upgrades



UNITECH Electrical Industries located in Puthencruz, Ernakulam, Kerala. We offer Transformers (Oil cooled & Dry type) & HT Switchgear Panel repairing services. Our organization has well experienced engineers, which help in repairing of different types of Transformers and HT Switchgear Panels. We deal with repairs, reconditioning and re-winding of all kinds of Distribution Transformers, Special Transformers and HT Switchgear Panels.

UNITECH possesses comprehensive manufacturing facilities manned by professional personnel for repairing and overhauling equipment. These facilities are supported by technical and project functions to achieve complete customer satisfaction.

Typical Transformer factory repair services offered include :

- » Winding re-winding
- » Core replacement
- » Transformer up-rating
- » Reconditioning of HT Switchgears
- » Testing of Transformer and HT switchgear
- » Tank replacement
- » Tap-charger Overhaul & Replacement
- » Resin cast coils
- » Reconditioning of Unitized Substations
- » Replacement of HT Panel Enclosures & Spares

Factory Repairs

When it is not possible to repair equipment in the field due to constraints such as space, environment or lack of suitable resources then UNITECH offers a factory-based solution.

Unitech has factory-based service support facilities which include :

- » Modern machining and fabrication facilities
- » Testing facilities as per latest Indian Standards(IS)
- » Cast resin Dry-type coil manufacturing facilities
- » Workshops with cleaning facilities & vacuum drying ovens
- » Assembly workshops including cranes
- » Coil manufacturing and core manufacturing facilities
- » HT switchgear repair facilities.

Transformers, USS & HT Panels - Field services

Field repairs

To complement the inspection capabilities, we can offer a wide range of repair services. These are performed in the field where we have considerable experience working in vastly differing environments, including both onshore and offshore installations. Our dedicated team of engineers can carry out repairs and upgrades on site, saving you downtime costs, transport costs and increasing the operation lifetime of your transformer.

Typical field repair services offered include:

- » Transformer refurbishment
- » Radiator repair or replacement
- » Cooler equipment replacement
- » Cable box replacement
- » Oil replacement or Top-up
- » Tapping Switch modification/replacement
- » Gasket seal replacement
- » Transformer relocation
- » Transformer up-rating
- » HT Switch Gear Panel and VCB panels service
- » Transformer Oil Filtration & BDV improvement
- » Silica-gel breather replacement
- » Painting of the Transformer & HT panels
- » Supply & fixing of CT - PT unit.



Annual Maintenance Contracts (AMC)

Unitech can provide short and long term maintenance contracts, tailored to meet our customers' specific needs.

These support operators by:

- » Enabling continuous mode of operation. The use of long term maintenance and health care contracts may be developed to suit the customer's needs.
- » Enabling designation of inspection points, spare parts and recommendations for continuous equipment performance
- » Assist in reducing operating costs associated with unplanned outages as a result of equipment failures.

AMC Service offered include:

- » Cast Resin Dry type Transformers
- » Oil Cooled Transformers with or without OLTC
- » Unitized Substations (USS)
- » HT-LBS panels & VCB panels
- » Multi panel system

Spares

Unitech can offer spares and kits of parts in a very short time frame so that your Transformer and HT Switch Gear are kept up and running

Spare parts that are available but not limited to are as follows:

- » Bushings and supporting insulators
- » Radiators
- » Gaskets
- » Tap Switches
- » Buchholz relays
- » Valves & Silica gel breather
- » Load Break Switch (LBS)
- » Relays and HT panel accessories
- » Temperature Sensors & Scanners
- » Used Transformers & Spare Transformers



Testing Facilities:

- » Voltage ratio test - Ratio Meter
- » Winding Resistance - Resistance Meter
- » No Load Loss And Current - Dimmerstat & Digital Power Analyzer
- » Insulation Resistance - Megger
- » Separate Source Voltage With Stand Test - HV Test Kit
- » Induced Over Voltage Test - Dimmerstat & Digital Power Analyzer
- » Vector Group Test-Test Bench
- » Load Loss & Percentage Impedance - Dimmerstat & Digital Power Analyzer

Used & Spare Transformer

In case of Transformer breakdown, we offer our Transformers for hire for temporary power distribution. Short and long term Transformer rentals.

Oil cooled Transformers and Dry type Cast Resin Transformer, HT Load Break Switch panels and VCB Panels



Mobile Transformer Oil Filtration Unit

Few of our Esteemed Clients...



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