

WE ASSURE RELIABLE SOLUTION

FLAWLESS PRODUCTION



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HE
HERTEL ENERGY
INNOVATIVE SOLUTIONS

ONE STOP SOLUTION FOR ALL TYPE **ELECTRICAL SYSTEM AND SERVICES.**



Design, Engineering of
Complete Electrical
System



Installation &
Commissioning of
Electrical Package



Excitation System
Retrofit and Frontend
Replacement



Spare and Service
Support



Testing and Calibrate
Electrical equipment



MCC / PCC Electrical
Panel Manufacturing



Brushless & Static
Excitation System Design
and manufacturing



EPC / Trunkey Project
Execution



Substation automation
and Power control and
Monitoring SCADA



Generator / Motor /
Breaker and Transformer
Protection System



Test and measurement
instruments



VFD and Soft starter
panel



Design, Engineering of Complete Electrical System

- ▶ Basic Study & Engineering
- ▶ Design Calculations & Drawing Preparation
- ▶ Site study
- ▶ Preparation of Tender Specifications
- ▶ Recommendation of Vendor based on technical evaluation of tender
- ▶ Inspection support at Vendor place



Installation & Commissioning of Electrical Package

- ▶ All equipment must be installed to the appropriate design package which is an essential source of information throughout the installation phase of the work
- ▶ Professional installation by qualified and experienced staff
- ▶ All pre commissioning tests are conducted for all panels
- ▶ Pre erection check
- ▶ Post-erection check
- ▶ Load trial, final commissioning & Handover





Excitation System Retrofit and Frontend Replacement

- ▶ Our strength is customization solutions and it makes easy to install as per your existing systems.
- ▶ Hertel Energy representative to know more about various customized solutions that meet your requirements.

OLD

NEW



Spare and Service Support.

- ▶ Offers a rapid and reliable spare.
- ▶ Our spare parts to strict quality control so that they meet the highest standards, including international ones
- ▶ Fast Delivery.



Testing and Calibrate Electrical equipment

- ▶ Cold testing as per guideline.
- ▶ Power ON test.
- ▶ Testing of control and power circuit.
- ▶ Secondary Injection Testing
- ▶ Programming & Parameterization
- ▶ Retrofitting & Refurbishment





MCC / PCC Electrical Panel Manufacturing



- ▶ Design of MCC/PCC Panel.
- ▶ Manufacturing and testing of MCC/PCC panel.
- ▶ Installation and Commissioning
- ▶ We manufacture PCC panels with rated current ranging from 630A to 6300A
- ▶ MCC/PCC panels are manufactured in a perfectly compartmentalized structure.
- ▶ Premium quality insulators are used to ensure safety.
- ▶ User friendly, safe and reliable



Brushless & Static Excitation System Design and Manufacturing

- ▶ Wide range of Brushless and static excitation system for Synchronous generator and synchronous Motor.
- ▶ Provide retrofit and customized solution.
- ▶ Provide single and dual channel excitation system.





EPC / Trunking Project Execution

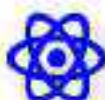
- ▶ Detail engineering
- ▶ Procurement & Supply of Equipment
- ▶ Unloading, Shifting and Erection of Equipment
- ▶ Testing of Equipment as per approved method
- ▶ Pre-commissioning Checks of Equipment & System
- ▶ Closing of all the punch points - Ready for Charging
- ▶ Installation and commissioning



Substation automation and Power control and Monitoring

- ▶ Due to timely recognition of faults, equipment damage can be avoided
- ▶ Continuous monitoring and control of distribution network is performed from remote locations
- ▶ Saves labor cost by eliminating manual operation of distribution equipment
- ▶ Reduce the outage time by a system-wide monitoring and generating alarms so as to address problems quickly
- ▶ Improves the continuity of service by restoring service after the occurrence of faults (temporary)
- ▶ Automatically improves the voltage profile by power factor correction and VAR control
- ▶ Facilitates the view of historian data in various ways





Generator / Motor / Breaker and Transformer Protection

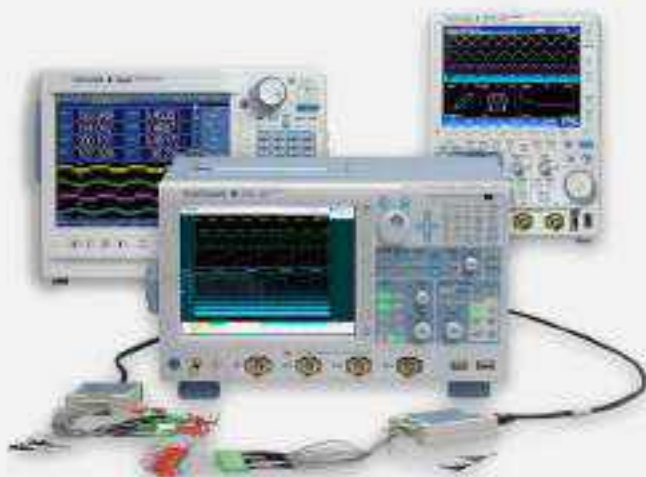


- ▶ Additional monitoring functions
- ▶ High level of functionality integration
- ▶ Functional flexibility
- ▶ Capable of working under a wide range of temperatures
- ▶ They can implement more complex function and are generally more accurate
- ▶ Self-checking and self-adaptability



Test and measurement instruments.

- ▶ Waveform Measurement
- ▶ Power Measurement
- ▶ Optical Test and measurement
- ▶ General Purpose Instruments
- ▶ Portable Test Instruments power meter
- ▶ HV & IR Tester



VFD and Soft starter panel



- ▶ Modular, Compartmental & Non-compartmental design
- ▶ Ingress Protection up to IP55
- ▶ Designed Isc Level – As per Customer Requirement
- ▶ Rated Current – As per Customer Requirement
- ▶ Busbar material – Copper / Aluminum
- ▶ Compact Design Construction

OUR VALUABLE **SERVICES**



Hertel Energy maintain 24*7 emergency service support



Hertel Energy has good engineering strength who understand customer requirement and give the best solution as soon as possible.



We provide AMC (Annual maintenance contract) for all power plant control and protection system.



Expert Training



Spare support and service

HE
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INNOVATIVE SOLUTIONS



Hertel Energy Pvt Ltd

B-11/1, GIDC, Electronic zone, sector-25, Gandhinagar-382024.

sales@hertelenergy.com

Call Us : +91 97279 71024 | 99091 06373

WWW.HERTELENERGY.COM