

Precision Power Unwavering Flow



About Us

One stop solution to all your needs in the field of Electrical & Instrumentation

We are pleased to introduce **ROVER** as a pioneer organisation in the fields of instrumentation & Electrical engineering for Process Industries, led by a group of highly qualified, dedicated professionals with comprehensive experience,

When you are looking for an engineering partner, you are looking for an alliance you can depend upon. This is where **ROVER** stands at your trusted partner for Project Execution with value engineering having depth of experience across the wide range of Industries, financial resources, market knowledge with in-house skills, and the ability to conceptualize and implement engineering solutions to shape our approach to match your needs.

Each one of our customers has individual needs and are facing specific challenges. Through discussion on requirements with them, we define objectives, identify problems, recommend and implement innovative solutions to help them to achieve success. We do this with commitment, reliability, quality, persistence, an effective quality management system and prompt cost-effective services.

From concept to commissioning services

- Electrical & Instrumentation Turnkey Solutions
- CBI Automation Solutions
- Building Automation Solutions
- Manufacturing Panels, Flow Motors & Temp. Sensors.







ELECTRICAL TURNKEY SOLUTION

Scope we Served

- ✓ SITC of HT & LT Panels viz PCC's, MCC's, Drives & Power Distribution Boards etc.
- ✓ SITC of LT/HT Cables and termination along with required Accessories for cabling.
- ✓ SITC of External / Internal Electrical Installations for Industrial, Commercial & Residential premises.
- ✓ SITC of High Mast, street & facade lighting.
- ✓ SITC of Fire Alarm & Access Control systems.
- ✓ SITC of complete Earthing work as per I.E Rules & Regulations.
- ✓ SITC of Public Address & CCTV systems, BMS, Telecom, Data & UPS system with battery bank.
- ✓ SITC of Cables, Cable Tray, Cable Glands, Lamps, Luminaries, Jointing kit, JB's, PB Station, etc.
- ✓ SITC of Low to medium voltage AC Variable Frequency Drives, Soft Starter for energy saving
- ✓ SITC of Substation with Transformers & Switchgears
- ✓ Liaisoning with Electrical authorities for approval
- ✓ Electrical Bulk material supply for installation

Detailed Engineering Solution

- ✓ Electrical Load List
- ✓ Single Line Diagram (SLD)
- ✓ Specification for Transformer, H.T. Breaker, PCC, MCC, etc.
- ✓ Power Lighting & Earthing Layout Design & Drawing
- ✓ Design Lighting Protection
- ✓ Fire Alarm System & Access Control systems
- ✓ Public Address & CCTV systems.
- ✓ Installation MTO
- ✓ Procurement Assistance
- ✓ Instrumentation Installation Tender Document





INSTRUMENTATION TURNKEY SOLUTIONS

Scope we Served

- ✓ SITC of Field Instruments along with the Control System (DCS/PLC/ESD-PLC/SCADA)
- ✓ SITC of Up gradation or modification of existing Plants with PLC, ESD-PLC & DCS systems.
- ✓ Integration of new system with existing systems.
- ✓ SITC of In-line field instruments like Control Valve, Flow Elements, Mass/Magnetic/Ultrasonic flow meters.
- ✓ SITC of PT/DPT/FT/LT/LI/LG/LS/FS/TW/TE/TT/RADAR Level etc.
- ✓ SITC of F&G system along with Gas Sensors & PLC-SCADA based control system.
- ✓ SITC of Instrument Erection Material (Bulk MTO).
- ✓ SITC of Instrumentation Cables, Cable Tray, Junction Box's, Cable Glands, SS, CS and Copper Tubing
- ✓ Installation of field instruments according to approved Hook-up drawings.
- ✓ Loop Testing of from field instruments up to Control System Panels (PLC/DCS/F&G)
- ✓ Calibration of field instruments on-site service & Commissioning Assistance
- ✓ Instrumentation Bulk material supply for installation

Detailed Engineering Solution

- ✓ Instrumentation Control Philosophy
- ✓ Instrument Index
- ✓ Specification for DCS, PLC (ESD-PLC)
- ✓ Specification for Field Instruments
- ✓ Control Logic Diagrams
- ✓ Cause & Effect Diagrams
- ✓ Loop Wiring Diagram
- ✓ Instrument Hook-up
- ✓ Cable & Junction Box Schedule
- ✓ Instrument Location Plan
- ✓ Material Take Off
- ✓ Procurement Assistance
- ✓ Instrumentation Installation Tender Document



Industrial Automation

- Process Automation using DCS, PLC HMI & SCADA
- Machine Automation using PLC, HMI, AC/DC Drive and Servo Drives
- Up gradation of existing system with new latest version of PLC, HMI
- Annual Maintenance Contract for software support.
- Software development services for PLC, HMI & SCADA
- Substation Automation
- Integrated system of AC/DC Drives, MCC, Servo System, PLC, HMI
- Expertise on Mitsubishi, Rockwell, Siemens, ABB & Schneider PLC
- and their respective SCADA & HMI Software





Automation (IBMS) Solutions like Fire Alarm, Access control, CCTV surveillance, HVAC and Lighting Control for:

- Hotels
- Hospitals
- Commercial Complexes & I.T. Parks
- Institutional Buildings
- Shopping Malls & Multiplexes
- Data Centres
- High-end Residential Apartments & Villas
- Industrial Buildings
- Infrastructure Projects

Building Automation

Industries we Served



Oil & Gas



Power



Pipeline



Chemical & Fertilizer



Pharmaceutical



Steel & Metal



Cement



Water



Marine & Shipping



Sugar



Infrastructure



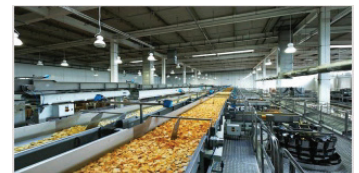
Textile



Solar



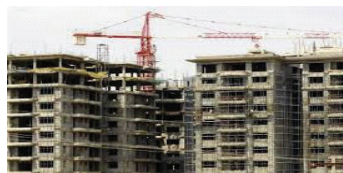
Automotive



Food Processing



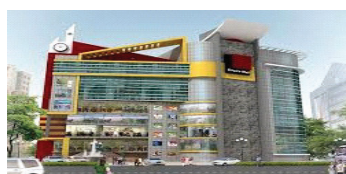
Residential



Construction



Airport Terminal



Commercial



Data Centre