

AMP/HYD/001/2021-22

Date: -SEPT-2021

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Dear Sir,

Sub: Introduction of activities – Ampere E&C - Reg

It is a great pleasure to introduce Ampere Electricals & Consultants Pvt Ltd, with concept of services with engineering, design and service oriented engineers to cater the Industrial Electrical Applications. Our experienced Electrical Engineers with process automation and instrumentation exposure, catering our esteemed customers with the utmost customer satisfaction. Our Main Services covering the below activities:

- **1. System Studies:** We undertake the preventive and annual testing of Earthing and lightning arrestors, adequacy studies and design engineering studies. We conduct the relay coordination studies for mitigating the mal-trips in the plant electrical systems.
- **2. Automation Services:** We support the testing and integration of automation devices in the power and process lines. We handle different protocol products.
- **3. Supply of LT Panels:** Design, Fabrication, Wiring, Erection, Testing & Commissioning of Main LT Panels, Motor Control Centres and Power Control Centres, Meter panels, Junction boxes, AMF Panels and MDBs in our contract manufacturing premises.
- **4. Operation & Maintenance Works:** We undertake the electrical facility operation and maintenance works with our experienced engineers an annual basis. We support pre-maintenance tests and procedures in line with CEIG guidelines. We under take the panel wiring preventive maintenance works using thermal cameras for finding the loose connections/hot spots for avoid of unwanted shut downs.
- **5. Switchgear Related Works:** We supply, install and testing and commissioning of Reclosers, Sectionalisers, Ring Main Units, Compact Substations for power distribution works.

- **6. Preventive Maintenance Works:** We undertake annual testing of protection relays, primary & secondary relay testing, energy meter testing activities.
- **7. Tendering Works:** We support the tendering documentation, submission of tendering process both offline and online e-procurement platform modes.
- **8. Process Automation Works:** We support our customers to source the process automation devices and handle the completion of works at customer satisfactory levels. We supply Energy Management Systems for the plants covering the latest technology products and protocols.
- **9. Facility protection Systems:** Design, Supply, Installation, Testing and Commissioning of Earth pits and advanced ESE lightning Protection systems.
- **10. Annual & Preventive Maintenance Testing Activities:** We undertake testing of Energy Meters, Protection Relays, Primary Injection Testing and Secondary Injection Testing activities.
- **11. Lighting Systems:** We cater the indoor and outdoor lighting requirements using the renowned software aids with the proper reports using the lumens guidelines available. We supply the latest technology LED lighting system with unmanned operation and remote operation.

We are a Services Oriented Engineering Services Organization, focusing on niche technologies in the fields of Electrical and Power supply applications and allied requirements like earthing and lightning protection systems. Our main activities are in the field of 'Electrical Power Distribution Systems'.

In today's scenario, most of the old plants/establishments have the outdated/obsoleted electrical establishments. The increased capacity of plant necessitates the updating and addition of electrical power distribution arrangements. We cater our customer for new establishments as well as updating of existing establishments.

Today, the plants are getting expanded at frantic pace. The new plants are being built with latest technology systems and equipment's. Even, the power distribution systems are being built with latest switch gear. This electrical equipment need much faster response & actuation time with less burden. The new expansion of the plants is totally automated and networked

whereas the old part of the plant remains unconnected. We shall make these into operational. Our rich experience in the process and industrial applications which shall be utilized for the remote operation mechanism to suit the present-day automation requirements.

The objective of modernization can be achieved in maintenance budget without going for large capex projections. Our services continued to undertake operation & maintenance with the experienced staff.

We look forward for your valuable enquiries and encourage us with sharing of your knowledge on your actual site needs and guide us to design better, faster, cost effective solutions.

Thanking you,

For Ampere Electricals and Consultants Pvt Ltd

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