

SHYAMJEE ELECTRICAL & SAFETY CONSULTANTS

We always stick by our commitment to you



Handling Risks with Technical Excellence



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SHYAMJEE ELECTRICAL & SAFETY CONSULTANTS

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1. INTRODUCTION

SHYAMJEE ELECTRICAL & SAFETY CONSULTANTS is engineering based electrical safety consulting & Services Company. We are a leading edge company breaking new ground in supporting companies in implementing appropriate and practical solutions for electrical hazards management and protecting workers.

A focused Electrical Safety Audit, either documentation only or detailed with observations/inspections, documentation review and interviews will provide with a due diligence based gap analysis report and prioritized corrective action list. Performance measurement is a powerful tool in Occupational Health & Safety.

SESC consists of a group of dedicated professionals having vast industrial experience with specialized knowledge in their respective fields. SESC utilizes the diverse capabilities of its staff to provide the specific expertise needed by the industries. The organization can cater to the safety needs of fertilizer, chemical, refinery and petrochemical industries.

2. VISION

"To Achieve and establish a National presence in Electrical Consulting, Project Execution, Installation and supply, whilst maintaining flexibility through an efficient and dynamic core structure offering a differentiated service"

3. MISSION STATEMENT

"To provide a world class, differentiated service, focused on adding value to the customers process, whilst addressing customers needs in a professional and dynamic manner"

4. WORK PROFILE

- ✓ Electrical Safety Audit, Maximum Power Demand Analysis, Lightning protection system, Hazardous Area Classification, Trouble shooting in electrical system, Inspection of Explosion proof fittings, Fault finding exercise.
- ✓ Physical inspection of the plant with reference to applicable Indian standards, Indian Electricity Rules and other relevant codes of Practice & identifying electrical hazards (shocks, fires, etc.).
- ✓ Reviewing the role of electrical safety in the total safety system.
- ✓ Review of electrical accidents to identify root cause of the accidents.
- ✓ Review of protection devices / system of the electrical installation.
- ✓ Review of adequacy of cables, motors, etc. based on actual load current measurements and cable current carrying capacities.
- ✓ Examination of adequacy of plant lightning protection system as per national and international standards to suggest recommendations as per applicable standards
- ✓ Review of the hazardous area classification carried out in the plant as per IS: 5572 and to review the selection, installation of special electrical equipment as per IS: 5571 to suggest recommendations as per applicable standards.
- ✓ Review the EPM (Electrical Preventive Maintenance) programme in the plant and to examine the documentation, checklists, work permit, test records, etc. and to suggest recommendations as per applicable standards.
- ✓ To evaluate the earthing system (installation and maintenance) in the plant based on IS 3043 and to suggest recommendations.

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- ✓ Design & Erection, commissioning and testing of HT/LT Panels, DG Sets, Generators, LT/HT Transformers. 220/66/33/11 KV Switch Yards/Sub-Stations, Retrofitting of protection scheme and protection relays.
- ✓ We also provide services for Electrical AMC of Plants, HT/LT Cable laying work, servicing of HT/LT Motors, Generators, Transformers, Capacitors and HT/LT Panels etc.
- ✓ To evaluate the potential electrical fire hazards in the plant electrical installation and to suggest fire protection measures as per applicable standards and Indian Electricity Rules. To identify the ESD (Electro-Static Hazards in the plant and to suggest recommendations as per applicable standards.
- ✓ Electrical Heat Tracing
- ✓ Energy Audit

5. INSPECTION & TESTING

- ✓ Third Party Inspection.
- ✓ Transformer Oil Test.
- ✓ Insulation Resistance Tests.
- ✓ Earth Resistance Tests.
- ✓ Relay Testing & Calibration.

6. SAFETY STUDIES

Safety Audits, Safety Inspections HAZOP Study, Risk Analysis, Dispersion models for toxic and flammable gases release, Fire Safety Audits, Fire system Design.

7. PROJECT SERVICES

Environmental Impact Assessment, Pre-Commissioning HAZOP Study, Pre-Commissioning Safety Audits, design of Fire Protection system & obtaining approval.

Certification under Static and Mobile Pressure Vessels (Unfired) [SMPV (U)] Rules, preparation of Operating Manuals HAZOP Study for pilot plants.

8. OUR CLIENTS

M/s HINDUSTAN PETROLEUM CORPORATION LIMITED, Vendor Code No. 28090798

M/s INDIAN OIL CORPORATION LIMITED, Vendor Code No. 10289905

M/s BHARAT PETROLEUM CORPORATION LIMITED, Vendor Code No.162628

M/s HINDUSTAN COLAS LTD, Vendor Code No.60729

IOT Infrastructure & Energy Services Limited (IOT)



9. SERVICE TAX AND TIN

SERVICE TAX:

AIKPP7188CSD001

TIN:

07530437893

10. HISTORY

Electrical Safety Audit:

- ✓ BPCL 05 nos. Retail Outlet Bijwasan Delhi Region in July 2011.
- ✓ HPCL LPG Bottling Plant Bhatinda Punjab in September 2011.
- ✓ HPCL Hisar Depot, Haryana in November 2011.
- ✓ BPCL Hisar Depot, Haryana in November 2011.
- ✓ HPCL 100 nos. Retail Outlet Belgaum Region in December 2011.
- ✓ BPCL Admin Block Chandigarh in January 2012.
- ✓ HPCL LPG Plant Ankleshwar Gujarat in February 2012.
- ✓ HPCL 80 Nos. Retail Outlet Panipat region, Haryana in March 2012.
- ✓ BPCL Panipat Installation plant in June 2012
- ✓ HPCL Goa LPG Plant in July 2012.
- ✓ BPCL Salawas TOP Terminal in Aug 2012.
- ✓ IOCL Sangrur in Sep 2012.
- ✓ BPCL Jhansi Depot in Oct 2012.
- ✓ IOCL Najibabad Depot in Nov 2012
- ✓ IOCL Varanasi Bottling Plant in Sep 2012.
- ✓ HPCL Hisar IRD Depot in Dec 2012.
- ✓ IOCL Sangrur Divisional office in Dec 2012.
- ✓ HPCL Palam AFS in Jan 2013.
- ✓ BPCL 20 nos. Retail Outlets Sangrur Territory Jan 2013.
- ✓ IOCL Shimla Divisional Office and Residential colony Feb 2013.
- ✓ HPCL Ankleshwar LPG Plant in Mar 2013.
- ✓ BPCL Southern Region Office, Chennai in Mar 2013.
- ✓ BPCL Residential Colony, Chennai in Mar 2013.
- ✓ IOCL Chittorgarh Terminal in July 2013.
- ✓ HPCL ASF, Goa in July 2013.
- ✓ HPCL Ponda LPG Plant July 2013.
- ✓ HPCL ASF, Mangalore ASF in Aug 2013.
- ✓ HPCL Jalandhar Depot Aug 2013.
- ✓ BPCL 8 nos. Retail Outlets Kanpur In Sep 2013.

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- ✓ HPCL Pampore POL Depot in Nov 2013.
- ✓ BPCL Jammu Depot in Dec 2013.
- ✓ IOCL Roorkee Terminal IN Dec 2013.
- ✓ IOCL UNA LPG Bottling Plant in Dec 2013.
- ✓ HPCL Rajabandh IRD in Dec 2013.
- ✓ BPCL Hissar Depot in Jan 2014.
- ✓ IOCL Mathura Bitumen Plant in Jan 2014.
- ✓ HPCL Palghat in Feb 2014.

Quantitative Risk Analysis

- ✓ BPCL Panipat Installation plant in Sep 2013

Transformer Testing, Oil Testing, Relay Testing & Earth resistance test and Installation and Commissioning of PTs / Relay

- ✓ HPCL Nandur Depot (Oil Testing) Gulbarga, Karnataka in August 2011.
- ✓ IOCL AFS Agra (Relay Testing), UP in February 2012.
- ✓ HPCL Hisar Depot (Earth Pit Testing), Haryana in February 2012.
- ✓ IOCL LPG Bottling plant, Jhunjhunu, (Relay Testing) Rajasthan in May 2012.
- ✓ BPCL Salawas TOP (Earth Pit Testing), Jodhpur, July 2012.
- ✓ BPCL Piyala Installation, Faridabad in July 2012
- ✓ HPCL Hisar Depot (Earth Pit Testing), Haryana in Sep 2012.
- ✓ IOCL AFS Agra (Earth Pit Testing & Cable Insulation Testing), UP in Nov 2012.
- ✓ HPCL Bahadurgarh Terminal (Relay Testing), Haryana in Dec 2012.
- ✓ HPCL Hisar Depot (Earth Pit Testing), Haryana in March 2013.
- ✓ BPCL Salawas T OP (Earth Pit Testing), Jodhpur, March 2013.
- ✓ BPCL Hisar Depot (Earth Pit Testing), Haryana in April 2013.
- ✓ IOCL Najibabad Bulk oil Depot (Relay Testing), UP in April 2013.
- ✓ Delhi Jal Board water treatment plant, Akshardham (Transformer and Oil Testing, Relay Testing and Earthpit testing) in July 2013.
- ✓ IOCL Najibad Bulk Oil Depot (Installation of Relays) In Aug 2013.
- ✓ HPCL Hissar Depot (Oil Testing) In Oct 2013.
- ✓ IOCL Varanasi Bottling Plant (Transformer and Servo Stabilizer Oil Testing) In Nov 2013.
- ✓ IOCL AFS Agra (Relay Testing , Earth Pit Testing Cable and Motor Insulation Testing) In Nov 2013.
- ✓ BPCL Gonda Depot (Relay Testing Cable and Motor Insulation Testing) In March 2014.

Supply of Electrical Spares and Safety Items:

- ✓ IOCL LPG Bottling Plant Nabha, Punjab in August 2011.

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- ✓ HPCL Hisar Depot, Haryana in March 2012.
- ✓ BPCL Panipat Installation Plant in July 2012.
- ✓ HPCL Hisar Depot, Haryana in Sep 2012.
- ✓ HPCL Bahartpur Depot, Rajasthan in Mar 2013.
- ✓ IOCL Kadapa Depot, Andra Pradesh in April 2013.
- ✓ HPCL Bahadurgarh Terminal Haryana in April 2013.
- ✓ HPCL Dum Dum AFS April 2013.
- ✓ BPCL Hisar Depot, Haryana in April 2013.
- ✓ HPCL Ponda Goa LPG Plant in Aug 2013 .
- ✓ HPCL Palghat (40 Insulated Rubber Mats) In Oct 2013.
- ✓ BPCL Hissar Digital Analog Meter in Feb 2014.

Annual Maintenance Contracts (Operation, Electrical & Mechanical):

- ✓ HPCL Bahadurgarh Terminal in from June 2012.
- ✓ HPCL Bahadurgarh Terminal in from June 2013.

Preparation of Earth and Single Layout Diagrams:

- ✓ HPCL Hisar Depot in Feb 2012.
- ✓ Hincol Bahadurgarh Depot in Aug 2012.
- ✓ BPCL Hisar Depot in April 2013.
- ✓ IOCL Najibabad Bulk Oil Depot April 2013.
- ✓ IOCL Nabha LPG Bottling Plant in July 2013.
- ✓ IOCL Jammu In Aug 2013.
- ✓ IOCL UNA in Dec 2013.
- ✓ IOCL Chittorgarh In Jan 2014.

Preparation of Piping and Instrumentation Diagram (P & ID)

- ✓ BPCL Hisar Depot in April 2013.

Load Calculation:

- ✓ BPCL Panipat Installation in Sep 2012.

Measurement of Motor Winding Resistance:

- ✓ IOCL Agra AFS Station in Oct 2012.

Making of Earth Pits and Cable Laying:

- ✓ HPCL Bahadurgarh Terminal in from Nov 2012.

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Overhauling Of ACB and Supply of ACB Charging Motor and Spare Items:

- ✓ IOCL Varanasi Indane Bottling Plant in Feb 2013.
- ✓ IOCL Varanasi Indane Bottling Plant in April 2013.

Overhauling Of 33 KV VCB:

- ✓ IOCL Najibabad Bulk Oil Depot in April 2013.

Supply Of Cables:

- ✓ IOCL Barauni Oil Refinery In Jan 2014.

11. Our-Team

We have a dedicated team of experienced Electrical Engineers and Electricians who have vast experience in Electrical safety audit in oil and gas, fertilizers and chemical based industries.

Mr. V.K. PURI – (M.D. Electrical)

A Technocrat, with BE (Electrical), a specialist in Electrical Power System. He has more than 40 years experience in the field of Electrical Engineering. His major contribution over the past 40 years lies with heading the team of experienced engineers and handling erection, commissioning, and maintenance of Generators, Transformers, HT/LT Switch yards, Sub-stations, HT/LT Motors, and HT/LT Panels and protection schemes. He retired as DGM (Elect), Indraprastha Power Generation Corporation, Delhi. (Delhi Electricity Board)

Mr. JAI KRISHANAGGARWAL – DGM (Electrical)

A technocrat, having B.Sc (Electrical) Engineering & has more than 32 years of experience in the field of Erection, commissioning and Maintenance of Power Transmission lines, Sub-Stations, (LT/HT) Transformers, Switch yards, HT/LT Breakers and Panels etc. He worked as Sr. Engineer with National and Multinational Companies and also holds Class "A" Electrical License.

Mr. MANOJ KUMAR – Sr. MANAGER (Electrical)

An electrical engineer having BE electrical qualification and had worked with M/s Sinha Safety consultant (Delhi) having experience in the field of Electrical Safety Audit. Risk Analysis, DMP and Relay Testing etc. He is frequently visiting the Retail Outlets, RD Depots, Terminals, and LPG Bottling Plants etc under HPCL, IOCL and BPCL. Having Experience in erection commission and maintenance of Transformers, DG Sets, HT/LT Panels.

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Mr. PUNEET- Sr. MANAGER (Process Design and Safety)

A Chemical Process engineer by profession. Both professionally and academically, he got over 8 years experience in Process operations and development in country's finest steels plants to Oil & Gas sector. This has been instrumental in his gaining understanding and analytical experience of environmental and safety related issues in both developing and developed economies. On the academic side, Puneet holds Master's degree in Computer Science and Chemical engineering from prestigious U.K Universities.

Mr. ADITYA –MANAGER (Execution & Operations)

A techno-savy professional with a strong knowledge and hands on experience in Information Security principles, including risk assessment, threat and vulnerability management, intrusion detections/prevention & data loss prevention.

Mr. Aditya has acquired MS degree in Software Tech. and Network Management from Robert Gordon University, UK

Aditya's role as an operations manager involves:-

- ✓ Improving the operational systems, processes and policies in support of organizations mission – specifically support better management reporting, information flow and management, business process and organizational planning.
- ✓ Manage and increase the effectiveness and efficiency of Support Services (HR, IT and Finance), through improvements to each function as well as coordination and communication between support and business functions.
- ✓ Long-term planning, including an initiative geared towards operational excellence.
- ✓ Oversee overall financial management, planning, systems and controls.
- ✓ Supervise and coach team members on a weekly basis.

Ms. STUTI –MANAGER (Procurement)

A highly motivated team player and hard working individual with excellent communication skills. With over 9 years of work experience globally in project management and procurement has made Stuti capable to handle complex situations effectively.

Observing the future prospects involved in the industry while studying at HES Rotterdam University, The Netherlands during her BBA degree has helped her to realise that the knowledge gained during this period can be used as a very effective tool to assist the industry.

Miss RUPALI –MANAGER (Administrative Executive)

Rupali is our word wizard. Originally hailing from the Top North of India. She is a woman of all trades – as long as they have to do with writing.

Her day to day Job Responsibilities include:-

- ✓ Develop and execute recruiting plans.
- ✓ Network through industry contacts, association memberships, trade groups and employees.
- ✓ Administrative duties and record keeping.

12. CONTACT DETAILS

- ✓ Mr.Vinod Kumar Puri- (Managing Director)
☎ +91-9717698182

- ✓ Mr.Manoj Kumar Sr.Manager (Electrical)
☎ +91-8010556156

- ✓ Mr.Aditya (Manager Operations)
☎ + 91-9654355106

SESC