



## VIKAS SHIVGOTRA

**Mobile:** +974-66842343 / 50350617, +919419679191

**E-mails:** [Shivgotra.vikas@gmail.com](mailto:Shivgotra.vikas@gmail.com) & [vikas.shivgotra@rediffmail.com](mailto:vikas.shivgotra@rediffmail.com)

**Whatsapp** +974-50350617

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*In Pursuit of challenging opportunities to leverage, the expertise in Power plants, Electrical Maintenance, Erection, Testing & Commissioning, Oil & Energy domain as Senior Electrical Engineer, with an organization of high repute.*

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### SUMMARY

- A competent and highly skilled Electrical Engineer with over 13.4 yrs of expertise in Electrical Inspections, Project Management, Installation, Testing & Commissioning, including operation, maintenance and troubleshooting of electrical installation & machineries
- Demonstrated competencies in preparing electrical schematic drawings, Bill of Materials, conducting quality checks of drawings
- Demonstrated experience in installing, calculations, testing, commissioning, maintenance operations, troubleshooting, safety issues, and inspection of electrical equipment's as per standards
- Excellent supervisory experience, including project development, planning and organization, budget monitoring and cost control
- Demonstrated skills in Handling Spares Specialized Services and Contract Resources and managing Purchase, Spares, Services, Workforce and maintenance tracking by using SAP PM and MM Module.
- Well versed with the latest techniques of Condition Monitoring, Harmonic Analysis, Thermography, wide variety of Relays and their Application Software.
- Formulation of Scope of Work for Modification Projects associated with betterment of a running plant.
- Carryout Troubleshooting & support for Major & Critical failures / issues occurring at site resulting in reduction of production loss
- Carry out Inspection, quality assurance, maintenance and Safety Audits as required
- Also Participated in Reviewing and Maintaining team of IMS and PSM Documentation
- Identify training needs for subordinates and support for Competency and Skill Development - Teaming, Leading and developing people
- Carried Out a wide Variety of Projects for related to Generators (AVR Commissioning), Transformers, MCC, PCC, Fire Alarm system etc
- SCADA, DCS, PLC
- MS Office and Internet Applications
- SAP PM & MM Modules
- Preparation of Shutdown Planning, Switching Plan, High Voltage Isolation Plans, and Task based Risk Assessments (TBRA), Lifting plan for heavy Equipment's, SOP and SMP of electrical equipment's etc.

### SKILL SET

- |                           |                                 |                             |
|---------------------------|---------------------------------|-----------------------------|
| • Project Management      | • Electrical Schematic Drawings | • Erection                  |
| • Testing & Commissioning | • Layout Supervision            | • Maintenance & Support     |
| • Quality Checks          | • Man-Hour Estimates            | • Training and Mentoring    |
| • Budget Planning         | • Design Specification          | • Electrical Specifications |
| • Product Definition      | • Statutory Compliance          | • Layout Extraction         |

### TECHNICAL SKILLS

- SCADA, DCS, PLC
- MS Office and Internet Applications
- SAP PM & MM Modules

### EDUCATION

- 2006 **B.Tech. (Electrical)** from College - Punjab Technical University, Punjab

## **EXPERIENCE - Reliance Industries Limited**

Electrical Engineer

19.06.2007 to 30.10.2014

### ***Roles & Responsibilities:***

- Handling the review of Electrical Installation design including all voltages and all types of electrical equipment like transformer, generator HV and LV electrical systems.
- Analysis of problems of Generators, motors, breakers and transformers
- Proved **successful in commissioning of 2 number of M/s ABB UNITROL 6080 Automatic Voltage Regulation (AVR)** in 45MW Generator within timeframes. Rewarded with excellence award of year 2014.
- **L&T make Motor controlled centres (MCC) SYPJ type** were commissioned in plant
- **Two No's of Electrostatic precipitators were commissioned** in both gas turbines for recovering oil which is coming out from Gas Turbine in the form of Fumes. This purpose of this project was to reduce lube oil consumption in Gas turbines. **Awarded by site president in 2013.**
- New Tariff energy meter were installed in Station Transformer's for calculating the auxiliary load of Plant. Approx. 4 MW of auxiliary power consumption of Captive power plant were rebated against generation duty paid to government. **Received "Work Excellence Award" by the site president** for this modification. Got best excellence award by site president in 2011.
- Credited for **achieving 100% plant production** in the first 2 years of production
- Received **HSE Champion Award** by the Site president in 2012
- Implemented the **QHSE / IMS polices** and processes as per the standards and company requirements and rewarded with award.
- **Testing, Commissioning, Operation, Condition Monitoring, Troubleshooting and Maintenance of:**
  - Gas Turbine Generators (Make – BRUSH - Alstom – GE)
  - AVR ( Make – ABB – Alstom)
  - Transformers ( up to 75MVA)
  - 220KV GIS, 33KV GIS, 11KV GIS, 6.6KV, 3KV, 415 V Switchboards
  - Motors- HT (11KV, 6.6 KV, 3.3KV) and LT (415 V), VFD Motor Systems
  - UPS, Battery Chargers and DC Switchboards
  - Fire Alarm System – Honeywell and Esser IQ8 fire alarm panel
  - **Cathodic Protection Systems**
  - Air Conditioners General and Special Purpose
  - Emergency Diesel Generators
  - **PMCC, Circuit Breakers, Soft Starters and VFD's**
  - Lighting and Earthing Networks

## **QEWG Qatar Water Electricity Co – Qatar 2014 to till date**

### **O& M Responsibilities: POWER Block-GT**

- **Preventive, Predictive, Breakdown Maintenance, Minor and Major Overhauls of**
  - **Alstom 13E2 GT & Generators ( 8x160 MW)**
  - **GE 9FA (3 x 250 MW)**
  - **ABB 220kV Gas Insulated Substation(GIS)**
  - Protection System – Numerical and Electromagnetic Type Relays
  - Power & Distribution (Oil & Dry type) Transformers
  - Diesel Generator Sets.
  - 11Kv/ 6.6kV/0.4kv Switch gears
  - HT/ LT Motors
  - LT Variable Frequency Drives
  - UPS, Battery Banks & Chargers (Lead Acid, VRLA & Ni-Cd)
  - HT/LT Boards (SF6, Vacuum and Air), Bus Ducts, Actuators
  - Plant Earthing Network.
  - Plant Lighting System

### **Projects Experience**

- Coordinate with the commissioning team of TTCL - Thailand and Mitsubishi - Japan for commissioning of **Desalination units** and their Auxiliaries
- **F&A system** – Involved in commission and testing of **NOTIFIER NFS 3030, KIDDE – FM200, FIKE –FM200** and **ESSER – Fire and alarm panel**
- Successfully commissioned, 2 module of **Electro-chlorination plant** (Desalination plant)
- Successfully **replaced 220KV VT in GIS-ABB and prepared frequent Failure report analysis.**
- Retrofit work Preparation of various design Calculations & Drawings like Overall Layout & SLD, AC & DC SLD, Erection Key diagram, Erection BOM, Bus bar sizing,, Short circuit force calculations, Power & Control Cable sizing, Cable Tray loading, CT sizing, Earthing, Lightning Protection & Lighting calculations & Layouts.
- Working with Protection Systems, Substation Automation Systems and Communication Systems
- Supporting field Electrical Pre-commissioning, Commissioning, Start-up and Maintenance.
- Coordination with Client, Engineering & Site commissioning team.
- Reviewing Engineering documents including SLDs, Manuals, Schedules, and Technical Data sheets, Protection Philosophies, Operational philosophies, Design basis report, Specifications & Procedures.
- Reviewing Vendor drawings, Manuals & Procedures.
- Preparation of Pre-commissioning, Commissioning, Start-up and Maintenance related documents.

### **Involved in below Modification and upgradation Projects**

- Generator Protection relay Modification from REG316 to RET670
- SFC Upgradation to 3 GT's
- AVR Upgradation
- 220 KV GIS Protection Panel Relay upgradation for 10 Bays

## TRAININGS & CERTIFICATIONS

- Certified Electrical Engineer for **all Reliance Group**
- SAP PM and MM Module Training
- Hazardous Area Classification and Equipment Selection
- **ABB Relays Operation, ABB HV Motors & ABB Switchgear Operation and Maintenance, ABB, Baroda**
- Safety Culture Training
- Electrical safety Management Training in RCP Mumbai.
- **Integrated Management system Training and Process safety Management training**
- 2 Month Training on Power Generation at Hydroelectrically power plant in J&k
- 1.5 Months Training on Automation in Distribution SCADA ABB at BSES, Delhi
- 1 Month Training on Generator and brushless excitation, RIL-Vodadara unit, Gujarat
- Attended Training on checklist perpetration by **British safety council** executive(BSC)
- Safety Culture Training By **DU PONT**

## ADDITIONAL SKILLS

- Awareness on Management Systems / Standards / Environments:
  - ISO 9001 – Quality Management System
  - ISO 14000 – Environment Management System
  - ISO 18000 – OHSAS
  - SA 8000 & ISO 27001(ISMS)
  - ISMS

## PERSONAL DETAILS

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- Date of Birth : 17<sup>th</sup> Sept, 1984
- Nationality : Indian
- Languages Known : English, Hindi, and Punjabi
- Marital Status : Married
- No. of Dependents : 4
- Passport No. : G8306150, Valid Till 02/03/2028
- Driving Licence : Yes (Indian and Qatari)
- Visa Status : No Current Visa
- Address : House No.2, Sheikh Nagar, BahuFort, Jammu – 180006 Jammu & Kashmir (j&k)
- Zoom Personal Id : 5195924927
- Skype Name : shivgotra.vikas

## Reference:

Name: Mr. Naveen Pandey  
Designation: VP Electrical Dept  
Organization: Reliance Industries Limited  
E Mail ID: [Naveen.k.Pandey@ril.com](mailto:Naveen.k.Pandey@ril.com)

## AVAILABILITY

- Planning to relocate immediately