

PAWAN KUMAR

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Assignments in Project Management / Plant Management / Sub-station and Control / Emergency operation / Power plant operation / Preventive Maintenance / Condition Based Maintenance / Energy Conservation / Shutdown Maintenance / Breakdown & Emergency maintenance of Electrical systems with a high growth oriented organization.

I Profile Snapshot



- ❑ A value driven and result oriented professional with over **16 years of experience with a Private Sector in the field of Erection & Commissioning, Maintenance of Power Plants, Substations, Transmission lines**; possessing valuable insights, keen analysis and team approach to implement best practices to achieve business excellence. Ethical, loyal and maintain a high degree of confidentiality.
- ❑ Presently working with **M/s Alghanim International General Trading & Contracting Co.WLL, Kuwait** as an **Electrical Engineer**.
- ❑ Proficiency in managing installation, commissioning, operation & maintenance of various equipments in reducing downtime and enhancing operational effectiveness of equipment.
- ❑ Effective interpersonal & communication skills with strong analytical, problem solving & organizational abilities.
- ❑ Liaison with Punjab state power corporation limited & Punjab State Transmission Corporation limited regarding 220KV start up power,11KV Construction power supply connection and unit synchronization for 2X 270MW GVK Thermal Project in Punjab.

I Professional Certifications



- ~ Certified Energy Manager from BEE, New Delhi (Ministry of Power, Government of India)
- ~ Electrical Supervisory Competency licence from Chief Electrical Insperctoratate ,Patiala,Punjab,India

I Work Experience



Since Jan'2017 **Alghanim International General Trading & Contracting Co.WLL, Kuwait** as an **Electrical Engineer**.

Key Result Areas:

- ❑ Sabiya CCGT-08 Siemens 500 MW GTG (2X 250 MW STG5 4000F) + Alstom 250 MW STG (under erection)
- ❑ Sabiya CCGT-54 Siemens 500 MW GTG (2X 250 MW STG5 4000F) + 250 MW STG (SST5-5000 under erection)
- ❑ Sabiya OCGT-24 Siemens 500 MW GTG (2X 250 MW STG5 4000F)
- ✓ Maintenance of Electrical Auxiliaries of Hydrogen & Air cooled generators, Semipol Excitation system, Siemens Generators and excitation system and Static frequency convertor panels.
- ✓ Maintenance of HT & LT Panels and motors rating upto ratings 5800KW.
- ✓ Maintenance of up to 370MVA Hyosung /Hyundai make generator transformers and 60MVA ABB/Hyosung/Hyundai make Unit transformers & other plant oil type and dry type distribution transformers.
- ✓ Maintenance of 6x2.4MW MTU Germany make Black start diesel generator system,up to 3000 KW rating Cummins make emergency diesel generators.
- ✓ Maintenance of 220 V DC Battery Banks, battery Chargers and 220 V AC UPS panels.
- ✓ Maintenance of Cathodic protection panels for fuel pipe lines and tanks structures.
- ✓ Involvement in commissioning activities of new CCGT projects for charging of equipment and interfaces with existing plants.



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- ✓ Raising purchase requisitions as per material requirements for spares and consumables.

May'2010 to Jan 2017: GVK Power & Infra Limited, Goindwal sahib, Punjab (2 X 270MW GVK Thermal Plant) as a Deputy Manager – Electrical

Key Result Areas:

Projects

2X270MW Thermal Power Project:

- ✓ Erection & commissioning of 220 KV Switchyard comprising 12 bays equipped with CTs, CVTs, SF-6 Gas Circuit Breakers, relays & control panels etc.
- ✓ Erection & commissioning of Oil filled & Dry Type power Transformers rating ranging from 633KVA to 315MVA.
- ✓ Erection & commissioning of 6.6KV H.T & 415V L.T switch gear system switch gear panels equipped with CTs,PTs & protection relays etc.
- ✓ Erection & commissioning of H.T motors ranging 200 KW to 4900 KW
- ✓ Erection & commissioning of 750KVA, 415V DG sets.
- ✓ Erection & commissioning and Maintenance of 220V and 48VDC Battery chargers & battery banks.
- ✓ Coordinated with Punjab State Transmission Corporation Limited for expediting the completion of 220KV Transmission Lines for Startup power & power evacuation.
- ✓ Coordinated with Punjab State Transmission Corporation Limited for telemetry data communication to state load dispatch centre,Patiala,Punjab.

Maintenance

- ✓ Maintenance of 220kV switchyard having 12 bays of Main bus and transfer bus system equipped with SF-6 Circuit breaker and SF-6 gas filled Current transformers, CVTs etc.
- ✓ Maintenance of BTG area HT and LT switchgear of voltage rating 6.6KV and 415V.
- ✓ Maintenance of power transformers ranging 315MVA to 25MVA.
- ✓ Maintenance of Auxiliary transformers ranging 2MVA to 633KVA.
- ✓ Involved in breakdown activities, analyzing RCA for repeated failures, preparing daily report, Carrying out scheduled PM activities, maintaining trip logs, implementing LOTO system.
- ✓

July'2006- May'2010 Abhishek Industries Limited, Barnala, Punjab as Electrical Engineer

Key Result Areas:

- ✓ Maintenance of electrical equipment like Alternators, Transformers, Vacuum Circuit breakers, MCC & PCC panels, HT & LT Motors, Variable frequency drives, Battery Charger panels of 2X20 MW Cogeneration plant(Coal & Rice husk based boiler) and 66KV Substation.
- ✓ Erection of VFD+Soft starter (Danfoss make) on 400 KW FD Fan motor.
- ✓ Erection and commissioning of Load management system (Rockwell automation make).
- ✓ Implemented 5's, Kaizen techniques for process/equipment life enhancement.
- ✓ Implemented energy conservation, entailing identification of opportunities, analysis of data, cost benefit analysis, implementation & post audits.

Dec2005-July'2006 Khanna Paper mills Pvt. Limited. Amritsar, Punjab as Electrical Engineer

Key Result Areas



- ✓ Erection & commissioning of Automatic voltage regulator panel (Standby) for 17.5 MW Alternator.
- ✓ Maintenance of all electrical equipment of 17.5 MW, 10.5 MW Cogeneration plant and 132KV Substation.

Dec'2002–Dec'2005 M/s Nahar Fabrics Limited, Lalru, Distt. Patiala Punjab as Sr.Engineer – Electrical

Key Result Areas:

- ✓ Erection & commissioning of electrical equipment like Alternators, Transformers, Vacuum Circuit breakers, MCC & PCC panels, AVR, Variable frequency drives, Battery Charger panels of 5 MW Cogeneration plant (Rice husk based boiler).
- ✓ Operation and maintenance of 5MW Cogeneration Plant.

Education



2002	Bachelor's Degree in Technology–Electrical Engg. from S.S.I.E.T.,Derabassi,Distt.Patiala(PB) with 70.1% marks
1997	3 years Diploma in Electrical Engg. From Govt.Polytechnic, Amritsar, Punjab with 67.33% marks

IT Skills



- ☐ MS Office, SAP (End user),Maximo

Trainings



- ☐ 3 days training on Condition monitoring of Circuit breakers & Power Transformers at Hyderabad.
- ☐ 1 day training on E - Filing of annual energy consumption data organized by Punjab Energy Development Authority at Chandigarh.
- ☐ 4 days training on 250 MW STG (OCGT to CCGT Conversion) Electrical operation & maintenance training by GE Power in Kuwait.
- ☐ 6 days training for 500MW OCGT Basic Operation and Electrical by Siemens in Kuwait.
- ☐ Trainings on 5's / Kaizen techniques.

Personal Details



Date of Birth: 17th Sep, 1980
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