Krishna Mohan D 

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# Summary of Skills:

## **About 6 year of Experience as an Electrical & Instrument Engineer in detailed , SCADA ,PLC, Maintenance, Commissioning and of instruments & Control Systems in Solar, Wind, Thermal Power plant**

# **Career** **Highlight**

* Rays Power Expert (50 X 3 MW) So;ar Park Developed (Nov – 2020 to Present )
* Shri Keshav cement infra limited (SKCIL) Capative Solar Power Plants 25 MW (Jan- 2018 – Nov 2020 )
* **WIND WORLD INDIA 600 MW Gadag Karnatka (Jan-2016 to Dec 2017**
* **Lalitpur Power Generations Corporations limited 660 X3 MW (Jun-2014 to Jan- 2016)**

Rays Power Expert (50 X 3 MW) So;ar Park (Nov – 2020 to Present )

Project Manager

* In-depth knowledge of Solar power generation systems, application tools, and procedures
* In-depth knowledge of solar system, Project Management,Design,Procurement, Execution and Tendering
* Detail knowledge of solar Designing and Simulation software PVSyst, PV\* SOL, and DIALux
* Comprehensive knowledge of electrical power systems, supervisory control and data acquisition systems
* Extensive knowledge of renewable energy, instrumentation control systems, and data acquisition
* ISO 9001:2008 Quality Management System
* Hand on Training Program on PV syst.
* ROI Calculation.
* Detail Knowledge of IEC & IS Standard
* Project scheduling,Planning, and budgeting
* Acting as administrative support to project Director
* Developing training & briefing Material for staff leading and organizing a team
* Preparation of Detailed Project Report (DPR)
* Preparation and checking of Feasibility study Report
* Testing and inspection of material like module inverter and Batteries
* Checking of Bill of Materials and Scope of Works on Projects
* Project execution Planning.
* Co -ordination with EPC Contractor for work related issues.
* System Design for Off grid, Grid connected and stand alone system
* Coordinate with clients in developing new electrical power, solar and renewable energy projects.
* Technical assistance for site survey and resource assessment

# **Shri Krishna solar 25 MW Koppal Karnataka (Jan .2018 to present )**

Assistant Manager

* Maintenance & troubleshooting of Electrical equipments PV modules, Junction box, Inverters, HT/LT
* Panels, 110KV Power transformers, 33kV Switchyard, bay & Control relay panel.
* Preparing Daily generation & downtime reports.
* JMR Preparation and Submission to KPTCL Ensure highest plant availability, Grid availability
* lowest down time by Corrective Maintenance to reduce the breakdown time.
* Preparing & Execution of Monthly PV String Current checking & Weekly PM.
* Knowledge about , ABB, TBEA companies of PV solar inverters.
* Checking modules with Module analyzer kit if generation not reaches desired.
* Good Handling skills of Cable grounding issues.
* Transformer Preventive Maintenance
* Preparing documents - PLF, PR, weather Reports,
* Supervising and problem solving network related like SCADA, Camera and Fire panel.
* Operation and knowledge of LBS (Load Break Switch) in RMU unit
* **Power system ,Ethernet and networking, PLC programming and microcontrollers, network communication protocols, network security, intro to utility SCADA, three-phase power, protective relaying, load flow and reactive compensation**
* **Networking and Communications: design and configure network and communication paths for Remote Terminal Units (RTUs), Intelligent Electronic Devices (IEDs)**
* **Human Machine Interface (HMIs), PLC’s and other SCADA system equipment; specify and design communication networks including data security and availability; develop basic specifications for fiber optic, microwave, power line carrier, or radio communication paths;**
* **Applicable network and communication protocols: DNP, Modbus, SEL Communication Protocol, Goose Messaging, IEC 61850, TCP/IP, UDP**
* **Data Acquisition: Prepare points lists of all data to be transferred between control centers and controlled apparatus, assign and program data addressing and routing information, develop Human Machine Interface (HMI) screens, travel to project sites to test and commission data transfer schemes. Applicable Software: Wonderware, Clearview, AcSELerator RTAC, Visual Basic, OSIPI, Python scripting etc**
* **Contribute to developing of system-wide SCADA standards for electrical transmission distribution and substation applications and also for Industrial Networks**
* **Involved in Network design/support, Routers, switches, firewalls, IDS, network and radio services are managed supported and maintained.**



Wind World India LTD. Gadag Karnataka (Jan 2016 To Nov 2017 )

Engineer WEC (Operational & maintenance )

* **Wind energy systems**– Performed data acquisition, data validation and reporting.
**Systems Analysis**– Evaluate, recommend, and install technologies, information design methods, analyze system deficiencies and implement solutions to improve workflow processes
* Direct balance of plant BOP construction, generator installation, testing, commissioning, or supervisory control data acquisition SCADA to make sure compliance with specifications.
* Develop specifications for wind technology components, like gearboxes, blades, generators, frequency converters, and pad transformers.
* Develop active control algorithms, electronics, software, electromechanical, or electrohydraulic systems for wind turbines.
* Ability to troubleshoot and repair electrical, hydraulic, and mechanical systems
* Proficient with torque tools, amp clamps and basic electrical test equipments
* Experience in related aeroacoustic theory such as trailing edge noise, boundary layer noise, fan noise, or turbomachinery noise
* Capable of working at remote sites and offshore conditionsPreliminary studies /Feasibility studies,Product Research and analysis - competitor analysis, market analysis for various types of
* R.Energy, Energy efficiency and LED lighting applications, Fuel cells, Electrics cars, batteries all green energy products.
* Load calculation analysis, Load estimation Wind fan
* Troubleshooted on electrical/mechanical systems associated with each wind turbine generatorExtensive troubleshooting experience with multiple electrical systems, to include DC and AC systems up to approximately 70,000 volts.

# Lalitpur Power Generations Corporations limited 660 X3 MW (Jun 2014 – Jan 2016 )

**Control & Instrument Engineer**

* Operation, maintenance& troubleshooting of various range of Electrical and instrumentation related to the below listed discipline
* ABB 800XA DCS.
* Boiler Instrumentation (Pressure, Flow, Level, etc).
* Turbine Instrumentation (Vibration, temperature, Trip logics etc).
* Ash Handling System (Dense Phase System).
* Cooling & Condensate System (ACC)

**AREA** OF **PERTICULAR** **EXPERTISE**:

* Experience in maintenance servicing of Industrial Instruments (**control valves and all types** **of sensors**) and servicing.
* Calibration, Installation, Testing and commissioning of all types of Electronic and Pneumatic instruments. **(Pressure, Temperature, Flow & Level Instruments etc.)**.
* Installations & testing of control panels, marshalling cabinets, relay cabinets and various instrument cabinets.
* Instruments calibration for **Pressure Indicators, Pressure transmitters, Differential pressure transmitters, pressure switches, temperature transmitters, Temperature indicators, flow transmitters, level transmitters & Control valves.**
* Shutdown activities like Identification of Instruments Isolate the Instrument, Re-gladding and terminating the cable at instrument and Junction box side as per loop diagram.
* Having good experience in **HART & SMART** transmitters, Flow controllers, Cascade, split range and Open/Close loops.

# Educational Qualifications:

* **2019……... Master of Business Administration G.I.M.S. Delhi**
* **2014........ Bachelor of Electronics Communication Engineering, R.G.P.V.University......... Bhopal M.P.**
* **2010........Higher secondary school satna M.P.Boads ...............Bhopal M.P.**
* **Profile: Male, 26, Single,**
* **Current Position: Asst. Manager**
* **CTC : 5.0 L. PA**
* **Mo : 9916667000**
* **Current Location: Koppal KARNATKA**

 Krishna Mohan Dwivedi

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**Declaration**: I hereby declare that all information stated above are true to the best of my knowledge