

PRAKASH CHANDRA KUSHWAHA

294/2C, Saket Nagar, Bhopal,

Madhya Pradesh - 462024

Telephone: +91 9713913709/ email: prakashchandra354@gmail.com

CAREER OBJECTIVE

Willing to work as a key player in solar based renewable energy organization to explore managing, practical learning and research ability.

EXPERTISE INCLUDES:

- Research
 - Designing
 - Matlaab
 - Homer
 - PVsyst
 - Analysis
 - Client Relations
 - Supply Chain Management
 - Training
 - Business Plan
 - Support
-

WORK EXPERIENCE

Shaktisteller Energy Solutions Pvt. Ltd., Bhopal, M.P.
Head (Operations and Maintenance)

29 Aug 2016 – Present

Key Responsibilities:

- *Manage project to automate the Photovoltaic system design process.*
- *Develop proposals that included preliminary design, cash-flow analysis, incentives information, and cost of the project.*
- *Develop design specifications and functional requirements for residential, commercial, and industrial solar energy systems and components.*
- *Assure that project designs and installations met all the relevant safety regulations, as well as the clients' requirements, while constructing standard operation procedures.*
- *Testing and troubleshooting of newly installed solar energy systems to ensure they worked appropriately.*
- *Manage crews for project installation, maintenance and repair of existing installations when needed.*
- *Manage LT/HT consumers net-metering PPA approval, liasioning and commissioning with Discoms. MPUVNL and other departments.*
- *Organize and provide vocational training on rooftop solar systems for engineering college students.*
- *Provide consultancy for solar project and research work.*

IIT Bhubaneswar, Odisha

28 July 2015 – 24 Aug 2016

JRF (Research Scholar)

Indo-Finish joint project "Photovoltaic (PV) based grid-interactive and off-grid electricity system"

Key Responsibilities:

- *Coordination with project team of IIT Bhubaneswar, IIT Delhi and LUT Finland.*
- *Data collection, analysis and report preparation.*
- *Design, simulation and comparison of different PV based electricity system.*
- *Research on recent trends of technologies of solar panel, DC/DC converter, DC/AC converters, battery energy storage technologies, energy management schemes and their control.*

Telesolar Solution Pvt. Ltd., Patna, Bihar.
Electrical Engineer

01 Jun 2012 – 30 Jun 2015

Major Responsibilities:

- *Designing and installation of solar electricity system for telecommunication tower.*
- *Maintain good professional relationships with suppliers and contractors.*
- *Evaluate and resolve all project technical problems.*
- *Ensured project completion within budget and on schedule.*
- *Test all products for correct installation and operation.*
- *Maintain all safety and quality control project standards.*

EDUCATION/TRAINING

MANIT, Bhopal, M.P.

2010 – 2012

M.Tech, Power Systems, 8.1 CGPA

Thesis on “Simulation and comparison of PV fed separately excited DC motor pump system and induction motor pump system with and without MPPT”

I.G. Engg. College Sagar, M.P.

2006 – 2010

B.E., Electrical Engg., 69.41%

Major Project on “Power line carrier communication”

Minor Project on “Three phase to one phase selector”

15 days training at “Saikheda 400 kV Substation, MPPTCL, Sagar, M.P.”

15 days training at “Amkantak Thermal Power Station MPPGCL, Chachai, M.P.”

FUNCTIONAL SKILLS

- Work in a team
- Negotiate
- Coordinate
- Motivate
- Supervise
- Organize information

PERSONAL ATTRIBUTES

- Critical thinking
- Sense of humor
- Problem solving

ACCOMPLISHMENTS

- ✓ Achieved first residential net metering connection of grid tied rooftop solar electricity system by Shaktisteller Energy Sollutions Pvt. Ltd. in Bhopal M.P.
- ✓ Consulted 1 MWp (400 + 200 + 400kWp) Kurlon-Enerparc solar power plant at Malanpur, Bhind, M.P., for design and safety modification and gross to net metering PPA.
- ✓ Published “Single-phase rooftop photovoltaic based grid-interactive electricity system” <http://ieeexplore.ieee.org/document/7838945/December 2016>
- ✓ Published “Open Access: The Multi-Licensee Tool In Emerging Indian Power Sector with Renewable Energy” [http://www.iosrjournals.org/iosr-jeee/pages/13\(3\)Version-3.html](http://www.iosrjournals.org/iosr-jeee/pages/13(3)Version-3.html)
- ✓ Successfully completed (20×6)120 kWp Idea solar telecommunication tower project at Vaishali Dist., Bihar.