

# RESUME

Amit Kumar Dwivedi

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## Objective :

To a professional solar Design engineer (Electrical) with creativity hard work and work under a challenging and professional environment with exposure to new technologies and advanced trends.

## Career Snapshot :

- An electrical design engineer with innovative skills oriented professional with 3.10 years of qualitative experience in Design Engineering with Project planning and execution by using advance technology with highest energy yield achievement.
- Currently working with **GKM Energy Pvt. Ltd.** As a **Sr. Electrical Design Engineer**.
- Experience Tendering work like fill the tender company registration IN many organization **GOVT. Portal E-procurement portal, (UPNEDA, BREDA, CREDA, TRED, ONGC L&T, iOCI all eprocurement portal) as well as privet e procurement portal** Bidding in tender, make BOQ, Technical Specification Etc.
- Experience of Project management, Procurement, Bidding, end to end communication client handling, query solving.
- Experience in **new plant setup** from Concept to commissioning for solar Power Plant.
- Proven abilities to Design the any type Solar Power Plant **Grid Tied, Off Grid, Hybrid** by optimum utilization of resource & capacity; escalate energy yield & operational efficiencies; while curtailing costs/expenses.
- Knowledge of **Site survey, Module assembly, Array string Design, EPC with many different technologies of PV cells made with CdTe, Poly, Mono and Thin Film.**
- **Strong experience in various following fields.**  
Project Design of (Grid Tied roof top, Off Grid, Hybrid Solar Power Plant) **Project Management, Supervision of Project Execution, Client handling Vendor Development** (Implement specifications as per design requirement) **Preparation of Pre bid documents** , SLD, BOM, cable calculation PVSyst Major equipment Specification Finalization, Tender Bidding Support ,Planning & selection of Inverter with energy metering yard, Data collection, Customer complaints Handling, Equipment Design & Development, Co-Ordination with all the functions for smooth functioning.

## Career Highlights :

### Present Scenario:-

**Company Name: - GKM Energy Pvt. Ltd. Ghaziabad, U.P.**

**Company Profile: -** GKM Energy Pvt. Ltd. is an ISO 9001:2008 certified Company. Founded in the year **2012**, **GKM Energy Pvt. Ltd. (Formerly Known As Minda Energy Pvt. Ltd)**, the most promising manufacturer and trader are making a distinction in the Solar Power & Biogas Solutions industry. The hard work and reform of our people provide us to make forth a broad collection of quality products for automobile, such as Solar Powered LED TV & Home System, LED based Lighting Solutions, and Solar Charge Controllers- PWM & MPPT which have gained us huge repute in the market. Our quality assurance renders us a healthier way of performing business, where we encounter challenges and endure the possibilities to develop a highly profitable range of goods featuring high strength, impact resistant, fine finish and scratch resistant properties.

**Tenure: - 27 May. 2017 to till Date.**

**Designation: - Sr. Design Engineer**

**Job Profile: -**

- **Working for complete project design. Complete tendering & Procurement**
- **TOPOGRAPHICAL Survey Drawing , Plant layout (Blown up Details) , Pile Foundation Layout , sections and other details, Location co-ordinates of Arrays, Earthing layout showing locations / details of Earthing mast and detail of earthing pits , Architectural Plan, Elevation & section (for all RCC buildings / rooms), Footing column and beam design, Control Room Equipment Layout , Inverter lay out (under shade) for outdoor type inverters, Inverter lay out (inside room) for indoor type inverters , Inverter room Earthing Layout, Inverter room Earthing Pits location and details , Inverter room cable trench design, Control**

Room Lightning layout, CT,PT, Metering arrangement drawings along with Technical details and further details, Array yard earthing layout. ACDB & DCDB Single Line Diagram ,Single Line Diagram 415V) (DC – SLD , AC-SLD, Schematic wiring Diagram, Lighting Distribution board (LDB) .

- List of Bill Of Material enlisting components' model numbers, quantities and manufacturer of each supplied item
- Design basis submission for calculation of Cable loss, earthing calculation, LA Calculation, Simulation through PV Syst & sketch up for shadow loss calculation.
- Taking all reviews with client for drawing approvals.
- Project design as per given PR & CUF with revenue generation of solar power plant.
- Strong experience of end to end designing of Roof Top solar power plant.
- Advice Top Management on various design related decisions.
- Doing Project Design basis on Site Technical feasibility report, supporting BD Team for customized solution for captive consumption, drawings & BOM preparation for tender bidding of any size of Project.
- As per detail of BD or customer check the required specification of bid document or providing technical site visit support , location , resource assessment, infrastructure availability site condition then doing design of system making proper layout , BOM , link up cost with delivery and finalize cost for bidding or offering.
- Hands on experience of using PV Syst for designing the project, Solar Eye for Shadow analysis, solar analyser for onsite string IV characteristic measurement, Auto CAD for instant design changes.
- Strong Technical back ground of solar field from Solar cell to Power plant that helps us in Technology selection.
- Strong design experience with minimum cost utilization and maximum yield enhancement.
- Cooperation with project & Purchase team for any techno commercial discussion.
- Support for purchase to vendor Development Preparation of RFP, Major equipment Specification Finalization.

### **Key Project:**

**Roof top** : Anu Industries 30kWp Gurugram on-grid system, Akshat Solar 30kWp on-grid system, Anwar clinic Hisar, Haryana 2kWp off-grid system, 300kW on-grid Yeshmay school Gonda U.P.

**Home System:** Tarun Mahajan Home Light system 5kWp off-grid system Vasundhra Ghaziabad.

### **Previous Work Experience:-**

**Company Name: - Ujaas Energy Limited Indore M.P.**

**Company Profile: -** Ujaas Energy Limited (listed on BSE and NSE) is an ISO 9001:2008 & ISO 14001:2004 certified Company. Ujaas became first company to generate & sell Solar REC in the country from its solar power plant of 2 MW commissioned in March 2012 at Rajgarh (Madhya Pradesh).Ujaas was working in the field of engineering from more than three decades. Ujaas has started their journey in 1979 at the business capital of Madhya Pradesh- Indore under the proprietorship named "M and B Switchgears". The company during its initial years was involved in manufacturing of transformers and panel meters for energy controlling. At present, besides the transformer industry, Ujaas Energy Limited is putting its sincere efforts in contributing towards green energy. Ujaas has introduced various new products and solutions for producing clean energy. The company has completed more then180 MW & working for 100 MW NHPC.

**Tenure: - 5<sup>th</sup> Nov. 2015 to 24 March 2017.**

**Designation: - Design Engineer**

**Job Profile: -**

- Working for complete project design.
- TOPOGRAPHICAL Survey Drawing ,Plant layout, Plant layout (Blown up Details) , Pile Foundation Layout , sections and other details, Location co-ordinates of Arrays, Earthing layout showing locations / details of Earthing mast and detail of earthing pits , Architectural Plan, Elevation & section (for all RCC buildings / rooms), Footing column and beam (LT Panel ) design, Control Room Equipment Layout , Inverter lay out (under shade) for outdoor type inverters, Inverter lay out (inside room) for indoor type inverters , Control Room / Inverter room Earthing Layout, Control Room / Inverter room Earthing Pits location and details , Inverter room cable trench design, earthing layout. ACDB & DCDB Single Line Diagram, Single Line Diagram 415V) (DC – SLD, AC-SLD, Schematic wiring Diagram, Lighting Distribution board (LDB).
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- Support for purchase to vendor Development Preparation of RFP, Major equipment Specification Finalization.
- **Key Projects:-**
- **Ujaas My site** – Rooftop 400 KW, 170 KW, 160 KW, and 50 KW Total 1.2 MW in Many Cities in Roof top Grid connected.
- Project design for many prestigious clients **NTPC, RBI, IOCL, UPNEDA, BMC**, & Many Private client for different roof Mall, Institute, Industry.
- Installed 1<sup>st</sup> M.P. Net metering project for Roof top in RBI Bhopal 50KW.  
Currently doing design for IOCL (Tikrikalan Terminal & Bijwasan Terminal) New Delhi 60x2 KW on RCC & Tin Roof , RBI Bhopal 50 KW RCC Roof & 20KW VE Commercial Indore m.p.
- **Ujaas Home** - Under new development, installed 2.4 KW on grid solar system with high efficiency 6X 320 Wp Solar Module with Ujaas make Inverter in UREDA.

**Company Name: - AARAMBH Resourcing & Solution Indore M.P.**

**Company Profile: -** AARAMBH Resourcing & Solution is an consultant cum Vender company. The best of site execution and installation **project management and services to the Telecom sector.**

AARAMBH is the top-flight, high quality Kyocera CDMA2000 1X, RTT mobile phones; Fixed Wireless Desktop Phones & Terminals, BTS installation Microwave link etc. After 2013 company take some solar light project, in this project my role was team coordinator and we are installed Solar street light project and solar in telecom field successfully.

**Tenure: - 23<sup>th</sup> Dec. 2014 to 2<sup>th</sup> Nov. 2015.**

**Designation: - Project Engineer & Project Execution**

**Job Profile: -**

- As a Project engineer I have completed many project in solar street light project we are installed 350KW successfully in Gujarat & CG. Circle .
- Also Work on Reliance 4G project, in MP. & C.G. circle, site survey layout and BOM.
- BTS site solar plant installation preparation of AutoCAD drawings, SLD, Electrical analysis, bill assessment & report Generation.

### **Key Achievements**

- Visited NSN head branch & got certification from **NSN (Nokia semen's Network)** for **best trainee.**

### **Academic Credentials :**

**MBA in Finance & HRD** from DAVV Indore (M.P.) running.

**B.E. in Electronics & Tele Communication** from R.G.P.V. Bhopal (M.P.) in the year of 2014.

**Certificate in AutoCAD software** from ALMA technical institute (M.P) in the year 2014.

### **MBA Project:-**

- 1- Making a deep report file for understanding culture of company and implementation.

### **Projects:-**

- 1- **Implementation of AVR burner** Using USB Bus.
- 2- Circuit designing & interfacing with automatic control system.
- 3- Programming MC & AVR interfacing with LED'S seven segment, difference between 8051, PIC & AVR.

### **Minor project:-**

- 1- **EMBEDENT** based USB AVR burner.
- 2- Circuit designing & interfacing with USB serial bus.

### **Vocational Training:-**

6 Months Training in **B.S.N.L.** Indore (M.P.) for Switching Exchange & C.D.M.A. technology. I have many certificate as DIMAND, GOLDAN, & CILVER certificate regarding EETP program of **BSNL.**

**Hobbies: -**

Listening Music, Playing instrument & composing music, Playing Cricket.

**Personal Detail :**

|                          |  |
|--------------------------|--|
| <b>Father's Name: -</b>  | <b>Shri L.P. Dwivedi</b>                   |
| <b>Date of birth: -</b>  | <b>01st Jul 1991</b>                       |
| <b>Address: -</b>        | 5/3, Pardeshipura Indore,<br>M.P. - 452001 |
| <b>Tele Phone No.:-</b>  | 08226028282                                |
| <b>Nationality: -</b>    | Indian                                     |
| <b>Sex: -</b>            | Male                                       |
| <b>Marital Status: -</b> | Unmarried                                  |
| <b>Language known: -</b> | Hindi, English                             |

**Current CTC :**

4.2L per annum.

**Expected CTC :**

5.4L per annum.

**Declaration :**

I hereby declare that the all information given by me is true of my knowledge.

**Place: -Ghaziabad**  
**Date - 02/01/2018**

**[AMIT DWIVEDI]**