

**ANKIT SINGH (Testing & Production Engineer)**  
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**09818504347**

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**Senior Testing & Production Engineer**  
*MODERN TRANSFORMER PVT LTD, GHAZIABAD*

**Dec2014 to Till Date**

- **2.5 years** industrial experience in **MODERN TRANSFORMER PVT LTD** (manufacturer of Distribution Transformers, Power Transformer & CRGO Lamination Sheet), **Ghaziabad** as a **testing and production engineer**.
- Experience in up to **400KVA** oil type distribution transformer and its paperwork like **GTP calculation according to tender, BOM preparation, testing reports like flux density, vector group, magnetic balance, routine test, type test, heat run test, Quality test, oil test & core chart report**.
- Knowledge about **earthing calculation of transformer & designing in up to 400KVA capacities**.
- Efficiently coordinating with the team members for scheduling & setting deadlines for completion to achieve target of the project.

**TECHNICAL SKILLS:**

**Advance Electrical Design and Engineering Institute (ISO 9001: 2008), New Delhi**

- Completed **11 KW** rooftop project in **IBT INSTITUTE, LAXMI NAGAR, NEW DELHI** including designing from Solar Array to ACDB along with **15 & 60KW** Project in **October 2017**.
- Solar power plant design and installation of **Roof top and ground mounted**.
- Design & Working Knowledge in **Battery Based System**.
- Design & Working Knowledge in **Grid Tied System & its Earthing Calculation**.
- Selection of **PV modules, cables, cables tray, SCB, inverter, circuit breaker, battery bank & ACDB**.
- Good knowledge of **AUTOCAD, GOOGLE SKETCHUP, PV Syst. and HELIOSCOPE**.
- Ability to interpret **Electrical single line drawings (SLD)**.
- Studied PV modules (**technology: crystalline/ thin film, BOM, Cell configuration, mechanical design, efficiency calculations, LID, V-I curves, PV modules series-parallel connections, formulating strings**).
- Selection and sizing of inverters (**central inverter, PCU, String inverter, MPPT charge controller, array power matching, inverter room sizing, SCB and ACDB sizing**).
- Cable selection, sizing power loss and voltage drop calculations on both **kW and MW** scale (**dc solar cable, dc power cable, ac power cable, HT cable, Cable trench**).

## **INDUSTRIAL AUTOMATION TRAINING AT SOFCON INDIA PVT. LTD (ISO 9001:2008), Noida**

### **PLCs: Allen Bradley (Micrologix1000, 1200, SLC 5/03), Siemens S7-200, 300**

- Basic Ladder & Logic Development
- Sourcing & sinking concept

### **SCADA: Wonderware's, in touch, RS View 32 & HMI (Panel View 300)**

#### **Process Instrumentation:**

- RTDs (PT 100), Thermocouples, Pressure sensors, Inductive / capacitive Proximity Sensors, Level

### **Basic knowledge of panel design:**

#### **Motor Control:**

- DOL Starters, Reversing starters, Interlocking circuits & control diagrams.
- Star Delta Starters, control diagrams.

#### **Variable Speed Drive:**

- (Selection criteria, Working, controlling, Parameter programming, its V/F control, Energy saving concepts, Interface with sensors & PLC)

### **SOFT SKILLS:**

- PV syst.
- Google Sketch up
- AutoCAD (2D drawing)
- Helioscope
- PLC programming (Ladder Logic)
- MS office

### **ACADEMIC QUALIFICATION:**

**Bachelor of Technology in Electrical and Electronics engineering from (UPTU, 70.0%)**

*Vishveshwarya institute of Engineering & Technology*

*July 2009-Aug 2013*

**Intermediate (UP Board, 54.20%)**

*Gurunanak Inter college*

*July 2008*

**High School (CBSE, 41.0%)**

*Lions School*

*June 2005*

### **PERSONAL PROFILE:**

Name	:	Mr. Ankit Singh
Father's Name	:	Mr. Paras Singh
Present Address	:	1036/9, Govindpuri, New Delhi, 110019
Sex	:	Male
Marital Status	:	Single

### **DECLARATION:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

**Place:** New Delhi

**(ANKITSINGH)**

**Date:**