

# MOHD USMAN DANISH

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## EMPLOYEMENT OBJECTIVE

Seeking employment as an Electrical Design Engineer to be a valued asset to the company and to use my experience to improve the company over time

## PROFILE

Electrical Design Engineer with nearly 6 years experience currently exploring Solar Power Plant Design up to 1 MWp Rooftop ongrid projects.

## EXPERIENCE

Mar. 2017 - Present  
( 1.5 years )

### **Sukhbir Agro Energy Ltd. (SAEL), New Delhi** **Design Engineer (Solar)**

- Preparing PV Array Layout
- Preparing AC & DC SLD
- Preparing Cable routing(AC & DC) Layout
- Preparing Earthing Layout
- Preparing Lightening Arrester Layout
- Preparing Cable schedules (AC & DC).
- Preparing design calculation documents
  1. Cable sizing calculation(Both DC & AC)
  2. Earthing Calculation (Both DC & AC)
  3. Preparing Design Basis report.
- Preparing Bill of Quantity for costing
- Doing site survey before design
- Preparing shadow analysis report on **Google sketch up**.
- Preparing generation estimation report using **PVSyst**.
- Preparing all Engineering drawings using **AutoCAD**.

Sep. 2012 – Mar. 2017  
(4 yr. 5 months)

### **Hi-Tech Agro Energy Pvt. Ltd., New Delhi** **Electrical Engineer**

- PCC/MCC Panel designing using AutoCAD as per client need.
- Selection of Switchgear, VFD, Sensors and relays for Automation.
- Interlocking of various drives as per process flow scheme.
- Cable selection, Cable sizing and preparation of Cable schedule.
- Earthing Scheme as per National Electrical Code.
- VFD Programming according to process scheme.
- Testing of PCC/MCC panels.
- Commissioning of the plant as per standard procedure.

## SKILLS

AutoCAD (2D), PVSyst 6.7, Google SketchUp, Helioscope, PVCAD, ETAP, Adobe Photoshop, MS Office

## PROFESSIONAL TRAINING

- Solar Design at MECCI Engineers Noida
- Electrical System Design at AEDEI New Delhi
- Automation Engineer Training at SOFCON India Pvt. Ltd. Noida

**EDUCATION**

- B.Tech in Electrical & Electronics from COER Roorkee with 62.8% marks (2011)
- Intermediate from Adarsh Bal Niketan Roorkee, CBSE with 68.6% marks (2006)
- High School from Adarsh Bal Niketan Roorkee, CBSE with 80.8% marks (2004)

**ACHIEVEMENTS**

- Participated in Robotics at college level.
- Winner of Youth Training Program organized by PCRA (Govt. of India).
- Participated in Training camp of Scout and Guide India.
- Two times winner of Indian Cultural Quiz by Shantikunj (Haridwar).

**HOBBIES**

Socializing, Visiting Friends & Family, Community work, Volunteer Work

**PERSONAL PROFILE**

Father's Name : Mazahir Ahmed  
Date of Birth : 18 January, 1989  
Gender : Male  
Nationality : Indian  
Marital Status : Unmarried  
Languages Known : Hindi, English and Urdu  
Permanent Address : H.No. 84, Satti Street, Roorkee (247667)  
Distt Haridwar (Uttarakhand)  
Passport : Ready

**DECLARATION**

I hereby declare that the above furnished information is true and correct to the best of my knowledge and can be asked for proof if necessary.

**Date** : 18 October 2018

**Place** : New Delhi

**(MOHD USMAN DANISH)**