

## AREAS OF EXPERTISE

**BMS Engineering,  
Automation and Control  
Engineering,  
HVAC Engineering,  
Fire Engineering  
(FAS/FPS/FFS),  
Mechanical, Electrical and  
Plumbing Works,  
Facilities Engineering,  
Electronics And Commu-  
nication Engineering.**

## KNOWLEDGE AND CER- TIFICATION

**HIRA** (Central Labour Insti-  
tute, Govt. of India).

**Industrial Automation**  
(PLC-SCADA based).

Embedded Systems.

C-language.

JDCA.

## COMPUTER SKILLS

**Operating Systems :**  
Windows & DOS

**Windows Applications :**  
MS Office-2007, 2010 etc

## PERSONAL SKILLS

Energetic.

Positive Personality.

Task Oriented.

Good Communication Skill.

Group working and Organiz-  
ing.

## PERSONAL DETAILS

House No. C-701,Volga  
Cluster, Casa Rio, Lodha  
Palava City, Dombivli East,  
Mombai-421204,INDIA.

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E:[sandeepshandilya@outlo  
ok.com](mailto:sandeepshandilya@outlook.com)

DOB : 24/11/1989

Nationality : Indian

**PASSPORT : YES**

**Sandeep Kumar**

## MEP Engineer



## PERSONAL SUMMARY

A Competent MEP Engineer with a comprehensive knowledge of Automation-Control, BMS, HVAC and Electrical Engineering and their maintenance. Along with these, knowledge of Mechanical, Electrical and Plumbing works, troubleshooting and maintenance of Network Panels, Switches and Electrical panels. Very familiar with Airport and Aviation sector.

## Objective

I am currently looking for a suitable engineering/managerial position according to my experience in an indomitably growing, dynamic and handsome organization, using emerging concepts and technology, which offers a challenging career. Where I must be able to maximize my exposure and hone my professional skills while contributing to the progress of the organization.

## WORK EXPERIENCE(Total 6 Years)

### SIEMENS LTD.

**IPM Engineer in IPM Project at Mumbai International Airport (MIAL/CSIA),Terminal-2, Mumbai from 17<sup>th</sup> April 2017 to Pre-  
sent.**

With a focus on electrification, automation and digitalization, Siemens India stands for engineering excellence, innovation, and reliability. **As one of the world's biggest producers of energy-efficient, resource-saving technologies, Siemens is a pioneer in infrastructure and energy solutions, as well as automation and software for industry.** The company is also a leader in medical imaging equipment, laboratory diagnostics, and clinical IT. Siemens also provides business-to-business financial solutions, rail automation and wind power solutions.

**IPM** provides comprehensive services- from stand-by service for particular plant sections all the way to complete plant overhauls and covers the entire spectrum of maintenance tasks in the field of automation and drive technology.

## Duties:

- To take Care of **all types of Maintenance** and break-down calls of **complete HVAC-BMS Systems**( Around 800 VFDs of different capacity, 1500 DDC Panels,100 double décor AHUs, 400 FCUs, 15 HRUs, 150 CA-HUs,2300 VAVs, 6 Chillers with capacity rating 2500TR, 6 Cooling Towers, PCHWP, SCHWP, CDWP, Around 500 Life safety fans, around 150 other small ventilation and air conditioning units and around 20 types of different sensors used for HVAC-Parameters etc.) at the Airport. System includes units and SCADA of JCI, Honeywell, Siemens, Danfoss, Flowcon, Belimo, Delta etc.

- To take Care of **all types of Maintenance** and break-down calls of **complete HVAC systems** at airport and MLCP.  
System includes Chillers, Cooling Towers, Dosing System, AHUs, CAHUs, FCUs, IDUs, ODU, HRUs, PCHWPs, SCHWPs, CDWPs, VAV units and all Life safety and ventilation fans etc.
- To take Care of Operation and Operational data and break-down calls of **Electrical Systems** at the Airport and MLCP.  
System includes Substation, distribution, UPS System, Solar Systems and MV-SCADA(L & T) etc for the entire airport.
- To take care of Lighting systems (**LCMS-Philips Dynalite**) of entire Airport. System includes different types of lights, SCADA, Switches and sensors at the airport and MLCP.
- To take Care of **Fire Control Systems, Fire Fighting Systems, CCTV Systems** and break-down calls of **Lift, Elevators and Escalators Management Systems(KONE,SCHINDLER and THYSSENKRUPP)** at the Airport and MLCP. System includes SCADA, CCTV, Fire interlocking and all types of Lifts(Car/Passenger/Staff), Elevators and Escalators and automated calling due to any emergency.
- To take care of **IMS**(Incident management system) and **CMMS**(Centralized monitoring and management system) for logging and tracing of all types of complaints and their rectification done at the airport for different issues.
- **Main focus** is to **save energy** in all field, whether it is in **high side** or **low side**, without failing any operation and quality of the specific job.
- To plan schedule for **energy saving** and condition based monitoring for **energy optimization** without failing quality.
- Temperature profiling for the airport building for different pockets.
- To review periodically different schedules for updates and energy saving purpose.
- To **manage** and **depute** the **manpower** for different task.
- To schedule Daily Work Plans (TBT) and allot the works to Engineers and Supervisors.
- To manage data and records(PERCOW, Checklists, LO-TO Registers etc.) of all types of maintenance works and break down calls.
- To promote **Safety** and **HIRA**, manage all Safety Data, Safety Audits and campaign for the team. And to check safety tools and PPEs availability at site for the team.
- To prepare records of materials required for the area in scope.
- To answer the various mails of the client and support in emergency cases.
- To take part in monthly/weekly meetings with Client, Preparation and presentation of MIS and MOM etc.
- To schedule and participate Weekly Internal-Meetings.

ETC.

## **ETA Engineering Pvt. Ltd.**

**Shift In-Charge(Engineer) in MEP Maintenance Project at Delhi International Airport(DIAL), Terminal-3, New Delhi from 14<sup>th</sup> September 2015 to 31<sup>st</sup> March 2017.**

ETA Engineering is one of the best Mechanical, Electrical, Plumbing and Fire Fighting contractor as well as Manufacturers of HVAC Equipments and Allied Products in India.

### **Duties:**

- Take Care of Preventive Maintenance and break-down calls of **Entire HVAC Systems**( Around 800 AHUs,700 CSUs,1200 FCUs,1000 DX Units,8-Chillers with the capacity of 2500TR,8-Cooling Towers with the capacity of 3000TR,PCHWP,SCHWP,CDHWP and apart from these around 1500 other units including various fans, TFAs, PAHUs etc) at the Airport.
- Take Care of Preventive Maintenance and break-down calls of **Entire HVAC-BMS**( Around 1500 DDC Panels,80 Network Switches in SCCRs and PCCRs and around 20 types of different sensors used for HVAC-Parameters etc. ) at the Airport.
- Take Care of Preventive Maintenance and break-down calls of **Entire HVAC-Electrical Systems**( Around 1500 VFDs-Danfoss,500 UPS, Starter Panels and different electrical equipments ) at the Airport.
- Take Care of Preventive Maintenance and break-down calls of **Entire Public Health Engineering Systems** ( Around 150 Wash-Rooms,150 R.O. Fountains,100 Water Coolers and 60 Kitchens. All waste and pure water management through Supply and Dewatering Pumps even Rain Water also ) at the Airport.
- To **manage** and **depute** the **manpower of around 150 persons** in different section for the Preventive Maintenance and break-down calls.
- To schedule Daily Work Plans and allot the works to Supervisors.
- To manage records of the daily P.M. works and break down calls.
- To answer the various mails of the client and support in emergency cases.
- To take part in monthly meetings with Client and Prepare MOM.
- To schedule Weekly Internal-Meetings.etc.

## **Honeywell Automation India Ltd.**

**BMS Engineer (O & M of HVAC) in DIAL (T3) project from January 2014 to August 2015.**

**HAIL** is one of the best global consultants for Building and Industrial automation with interests in **Airports, Energy and Urban Infrastructures.**

### **Duties:**

- Commissioning and maintenance of Honeywell HVAC-BMS.
- Operation and Maintenance of HVAC systems like Air Handling Unit, Sump Pump and FCU.
- Operation and Maintenance of Honeywell **EBI Station (R400.2)**.
- Generating reports, trends and taking backup of server.
- Operation and Maintenance of Chiller plants and cooling towers.
- Yearly and Preventive maintenance of systems and panels.
- Responsible to make power saving plan on terminal with the help of Client.
- Preventive maintenance of Network Racks.
- Preventive maintenance of DDC panels.
- Preventive maintenance of EMCC panels.
- Preventive maintenance of VFD.
- Preventive maintenance of Thermostats.
- Preventive maintenance of HVAC sensors.
- Preparing all monthly and weekly reports.
- Participating in monthly and weekly meetings with Client.

## **Anax Projects And Developments**

**PLC-SCADA Trainer\_and\_commissioning\_Engineer** in **Anax Projects and developments in Noida (U.P.)** from **November 2012** to **December 2013**.

### **Duties:**

- To Provide Training of Automation Systems(**PLC-SCADA** based) to the New Comers.
- Commissioning work of Drives, different PLC Panels like Allen Bradley, SIEMENS, MITSUBISHI and DELTA etc.

### **Projects / Assignments:**

#### **Project:**

- **Turnkey Execution of IPM project at MIAL T2.**
- **Turnkey Execution of HVAC,BMS, Electrical and Networking systems at Airport.**
- **Turnkey Execution of PHE Systems at Airport.**
- **January 2014 to March 2017 in DIAL T3 Project.**
- **Role:** Engineering, Operation and Maintenance, Co-ordination with Client.

### **Educational Qualification:**

- B.TECH. (Electronics and Communication) from RTU KOTA with First Class - (Year of Passing -June 2012).
- 10+2 from Jharkhand Academic Council (Year of passing 2007)
- 10<sup>th</sup> from Jharkhand Academic Council (Year of passing 2004)

### **Training Undergone before starting job :**

Practical Training on “**Industrial Automation (PLC-SCADA based)**” for 45 days in the year **2012**.

<b>PLC</b>	<b>Allen Bradley</b>	Selection, Architecture, Programming, Wiring, Commissioning of PLC
	<b>Siemens</b>	
	<b>Mitsubishi</b>	
	<b>Delta</b>	
<b>SCADA</b>	<b>Intouch (Wonderware)</b>	Creating New Application, Animation, Communication with PLC
	<b>RS View-32</b>	
<b>Drive</b>	<b>Powerflex4M</b>	Selection criteria, Working, Controlling, Programming parameters, Energy saving
<b>HMI</b>	<b>Delta</b>	Commissioning, Editing & Programming
<b>Switch Gears</b>	<b>Relay, Contactor, MCB, MCCB, Breakers</b>	
<b>Panel Design</b>	<b>Star Delta, DOL, CT, PT, Thermal Overload relay, Wiring</b>	
<b>Instrumentation</b>	<b>Proximity sensors, RTD, Thermocouple, Flow Transmitter etc., Pressure Transducers, Level Sensors.</b>	

**Extra Curricular Activities:**

- Achieved 2<sup>nd</sup> position (Prize & certificate) for “Ad-Mad” in National Level Tech-Cum-cultural Fest.
- N.C.C.
- BHARAT SCOUTS & GUIDES.

**Hobbies:**

- Acting
- Chess
- Table Tennis
- Volley Ball
- Badminton
- Singing
- Writing

**Personal Profile:**

Father's Name : Upendra Choudhary

Mother's Name : Vindu Devi

Date of Birth : November 24, 1989

Marital Status : Married

Languages Known : English, Hindi.

**Permanent Address : Shree Jagdamba Coke Industries Pvt. Ltd.  
Tundi Road, Govindpur, Dhanbad, Jharkhand.  
PIN-828109(INDIA)**

**Declaration:**

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

**Date:** \_\_\_\_\_

**Place: Mumbai, INDIA**

**(Sandeep Kumar)**

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