

# GAURAV BIDE

| ELECTRICAL ENGINEER | CHARTERED ENGINEER [INDIA] |

## CONTACT

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## EDUCATION

Bachelor of Electrical  
Engineering  
*University of Pune*  
(JUL 2009 - MAY 2013)

## SKILLS

Autodesk REVIT

AutoCAD

Dialux Evo

ETAP

Furse Strike Risk

Navisworks

Elevate

Excel VBA

Specsizer

Dynamo

## SUMMARY

Experienced Electrical Engineer with 5.5+ years of experience in electrical designing of low voltage and medium voltage electrical distribution systems and building services for commercial, institutional, municipal, industrial facilities. Skilled in 3D modelling using Revit and 2D layouts using AutoCAD, power distribution analyzing software such as ETAP. Generated complex 3D models in Dialux for actual lighting calculations.

## EXPERIENCE

### ELECTRICAL ENGINEER

*Dar Al Handasah, Pune/Feb2017-Present*

- Designed low voltage and medium voltage electrical distribution systems and building services for commercial, institutional, residential, industrial facilities.
- Prepared concept report showing basis of design, different electrical systems to be included, schematic diagram and preliminary load estimation as per VA/m<sup>2</sup> specified in NEC, IEEE or local guidelines.
- Designed electrical system including, switchgears, switchboards, motor control centers, variable frequency drives, generators, transformers, distribution panels, and other electrical distribution systems. Carefully selected Transformer, DG set, UPS and ECBS (Emergency Central Battery System) sizes based on load calculation.
- Segregated electrical lighting and power load into three categories as Life safety, Essential and Normal load.
- Prepared end-to-end drawings such as Single line diagrams (SLD), Electrical plans, wiring diagrams, panel schedules etc.
- Performed design of lighting, elevator sizing, earthing and lightning protection system.
- Performed electrical system studies and calculations (load, harmonics, voltage drop, short circuit, cable sizing) using power analytical software such as ETAP.
- Coordinated with other in-house engineering disciplines.
- Provided engineering services during construction, including reviewing equipment submittals, shop drawings and responding to contractor RFI's (request for information).
- Produced bill of quantities, tender drawings and documentation.
- Projects:
  1. Marsa Arabia, Qatar.
  2. Nosso Zimbo, Angola.
  3. Baggage Handling system DAEP
  4. Short term car park, DAEP

## **INTERNATIONAL EXPERIENCE**

*Dar Al Handasah, Amman/Nov2019-Jan2020*

- Worked closely with Healthcare team on lighting design of a Hamad Medical City, Qatar. The project was renovation of existing services and addition of Outpatient and Inpatient towers. (Total Built-up area: 129652 m<sup>2</sup>).

## **ELECTRICAL ENGINEER (MEP)**

*S N Joshi Consultants Pvt. Ltd, Pune/Jan 2016-Feb 2017*

- Designed low voltage and medium voltage electrical distribution systems and building services for commercial, institutional, municipal facilities.
- Performed electrical system calculations as per National Building Code (NBC), CPCB norms for DG set exhaust requirements, IS 3043 for earthing guidelines and other Indian standards.
- Calculated electrical system parameters such as voltage drop, short circuit, cable sizing and cable tray fill factor etc.
- Estimated electrical load as per W/sq.ft. values specified by Distribution companies.
- Prepared electrical layouts (lighting and power, cable tray, cable trench layout, earthing system layout and schematics etc.) using 2D CADD software such as AutoCAD.
- Produced bill of quantities and estimation, tender documents, Verified contractor submittals, GA drawings of equipment as per specifications and space planning.
- Coordinated with site engineers for necessary inputs.

- Projects:

1. Kalpataru Bayer, Thane
2. Bus Depot, Thane
3. Ideal Imperia
4. AOPL Altura

## **ELECTRICAL DESIGN ENGINEER**

*Electromech Engineers Associates, Pune/Oct 2014-Jan 2016*

- Performed electrical system design for Industrial facilities.
- Visited client factory to gather electrical equipment details for load calculation.
- Prepared single line diagrams showing necessary protection schemes for Medium voltage and Low voltage systems.
- Produced electrical layouts of lighting and power layout, cable tray routing layout, equipment layout etc. using 2D CADD software (AutoCAD).
- Performed electrical calculation of voltage drop, short circuit, earthing using in-house excel sheet.
- Attended factory inspection and testing of Transformer, UPS, switchboards etc.
- Reviewed switchboard general arrangement (GA) layout, contractor submittals etc.
- Prepared techno commercial comparison of electrical equipment (Transformer, DG set etc.)
- Projects:
  1. KSPG Automotive India Pvt. Ltd.
  2. Kamal Nayan Bajaj Hospital.
  3. Indian Institute of Science Education & Research, Pune (IISER)