



UDHAYA KUMAR

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OBJECTIVE

- Graduate Electrical Design Engineer with 10+years of Experience in EPC Projects and PMC.
- To pursue a Challenging Career in Progressive Organization with good exposure in different work environments that gives scope to enhance my Knowledge & Skills, there by offering the best to the Organizational growth & Personal growth.



SKILLS

- AutoCAD
- ETAP
- Dialux
- Electrical Power Projects Designs
- Substation designing -220/66/11/6.6kV
- Sizing and Selection of HT < system:
Transformer, CT&PT, Switchgear, Cable,
Conductor, Earthing, Lightening Protection
system
- Preparing SLD and Layout HT & LT system.
- Project Management
- Contractor Management
- PMC
- Project leading
- EPC Project Management
- Pump house, STP, WTP and Power
Plant
- Troubleshooting of Transformer, VFD,
Motors and Switchgears HT & LT



EXPERIENCE

Senior Engineer | Orion Innovation Pvt Limited- Hyderabad

JAN'2023- TILL DATE

- Substation and Pump house Designs- 220/66/33/11/6.6kV SLD and Layout preparation, Substation equipment sizing calculation, Transformer sizing, CT & PT sizing, Cable and conductor sizing, Earthing and Lightening Protection sizing and Layout, Battery Charger and Battery Bank sizing, etc.
- Generated high-quality AutoCAD designs to detail prototypes for HT/LT systems.

Associate Manager- Electrical Projects Designs |
MEGHA ENGINEERING & INFRASTRUCTURE LTD- Head Office Hyderabad
JULY'2016 – DEC'2022

- Experience in Project Management, Design and Technical evaluation of all Electrical Projects in Oil & Gas Plant and Substation.
- Order handling & Tendering/Estimation with BOQ, Specification & Design, and Procurement cost analysis and technical evaluation of bidder's documents.

Projects Handled:

- K&C Valley Project - Kolar Minor Irrigation (Govt of Karnataka)
- Lifting of 400MLD Water- (Six Pumping stations installed with 6.6 KV HT VT motors maximum capacity up to 2.8MW and 66/6.6KV 12.5MVA Transformer)
- Chikkaballapur Minor Irrigation Project (Govt of Karnataka)
- Lifting of 210 MLD Water- (Six pumping stations installed with HT & LT motors maximum capacity up to 750KW and 66/6.6KV 3.5MVA Transformer)
- Anekal Minor Irrigation Project (Govt of Karnataka)
- Lifting of 110 MLD Water- (Two pumping stations installed with 6.6KV HT motors maximum capacity up to 5700KW and 11/6.6KV 2.5MVA Transformer).

Junior Engineer- Electrical | OEG India

NOV'2015 – JUN'2016

- Operation and Maintenance of 60MW Power Plant

Engineer- Electrical | Daksh Power Pvt Ltd

JUN'2013 – OCT'2015

- Operation and Maintenance of 10MW Power Plant

Job Roles & Responsibilities:

- Good analytical ability identifies the problems in incipient stage, analyze and take corrective actions to avert emergency and improve plant performance
- Carrying out Smooth Start-up, Blackout - Normalization & Shutdown activities
- Handling Emergencies and avoiding unit trips by taking quick & correct actions
- Fault analyzing in switchyard & protection healthiness checking
- Synchronizing alternator with EB grid, EB with Alternator & T.G to D.G
- Preventive maintenance and Troubleshooting of Switchgears like SF6, Vacuum Breakers, and Air Circuit Breakers
- Maintenance & Trouble shooting of Alternator & Transformer
- Maintenance & Trouble shooting of LT and HT panels, VFD motors & H.T (6600V) Motors up to 2.8MW

- Preparing Preventive Maintenance Plan
- Coordinating with maintenance team for trouble free Operation
- Monitoring the progress of work assigned to Subordinates
- Indent preparation for procuring spare items and also inventory control.



EDUCATION

**B.E., Electrical and Electronics | Vel Tech High Tech Engineering College
Chennai
2009-2013**

**XII- HSC | St. Joseph's Matric. Hr. Sec. School
Chennai
2008-2009**

**X- SSLC | Hussain Memorial Matric. Hr. Sec. School
Chennai
2006-2007**

PERSONAL DETAILS

- Date of Birth: 23/10/1991
- Passport No: M7803892 till 30/03/2025
- Language known: English, Tamil, Telugu, Hindi and Kannada.
- Marital Status: Married
- Nationality/Religion: Indian