|  |  |
| --- | --- |
| C:\Users\GANDHIA1\Downloads\Alhad_Gandhi.JPG  EDucation/Qualifications  B.E. Electrical Engineering,2005, North Maharashtra University, Jalgaon, India.  Diploma in Electrical Engineering, 2002, K.J. Somaiya Polytechnic, Mumbai, India  S.S.C. from Mumbai Board,1999  registrations/ CertificationS  Nil  memberships and affiliations  Member of IET (MIET)  Associate Life Member of ISLE  awards/honors  NiL  languages  English - Excellent  Hindi – Excellent  Marathi - Excellent  other   * Nationality- Indian * DOB : - 26/12/1983 * Email:- [Pramod.sawakare@gmail.com](mailto:Pramod.sawakare@gmail.com) * Married * Contact No:- +91-9323869544 * Current Location :- Ahmedabad | PRAMOD SAWAKARE  Senior electrical engineer  Pramod has over 17 years + of experience Designing of MEP Service for Metro, Railways, Industrial, Airports and Commercial Buildings & Roadways Projects.  **Countries of Work Experience:**  India, UK, UAE & ANZ  Areas of Expertise:   * Preparation of Electrical Design of MEP Services * Clash detection of MEP Services with other services in BIM * Review of BIM Model with Architect, Client and Contractor. * Co-ordination with Consultant, Contractor and Vendor. * Preparation Lighting Calculations & layouts. * Co-ordination of MEP Services. * Preparation of Budgetary Estimation and BOQ. * Preparation of Tender for Electrical & Mechanical Services * Monitoring the preparation of MEP drawings in accordance with BS, NBC, NFPA Standards. * Co-ordination with Site team to resolve site issues. * Hands-on professional expertise of software’s like MicroStation, ProjectWise, Civil 3D, AutoCAD,Revit,Navisworks,AMtech,AGi32, Power CAD & lighting reality etc.   **Relevant Project Experience**  **From August 2022 to till date today**  **PADECO India Pvt. Ltd.**  **Title:**  **Senior MEP Expert**  **Important Projects handled:**  **Project Name: Mumbai-Ahmedabad High Speed Rail Project**  **Responsibilities :-**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   BIM team   * Clash detection of MEP services with other services in BIM * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services   * BIM Model review of Station & Tunnel Design. * Preparation of Electrical Calculation & review with client and   consultant.  **From Jul 2021 to Jul 2022**  **Jacobs Engineering India Pvt. Ltd., Andheri East, Mumbai, India**  **Title:**  **Senior Electrical Engineer**  **Important Projects handled:**  **Project Name: UK-ITS Power Design for SMA schemes**  **Client: Highways England, UK**  **Responsibilities :-**   * ITS Power design for SMA schemes * BIM model review for ITS schemes * Co-ordination with other disciplines for BIM clash detection * Planning for power design for new SMA schemes   **Project Name: ETIHAD Rail**  **Client: ETIHAD Rail**  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   BIM team   * Clash detection of MEP services with other services in BIM * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services   * BIM Model review of Station & Tunnel Design. * Preparation of Electrical Calculation & review with client and   consultant.  **Project Experience**  **From March 2020 to June 2021**  **Freelance MEP Designer for various Metro/infra projects**  **Title : Lead Designer – MEP**  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   BIM team   * Clash detection of MEP services with other services in BIM * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services   * BIM Model review of Station Design. * Preparation of Electrical Calculation & review with client and   consultant.  **From May 2019 to Feb 2020**  **M/s. Systra MVA Consulting India Pvt. Ltd.**  **Title:** Lead Engineer - MEP  **Important Projects handled:**  **Project Name: Detailed Design Consultant for** Mumbai **Metro Line 4 & Line 2B**  **Client:** MMRDA  **Project Description:**  Mumbai Metro Line 2B & 4. The project included 39- Stations & Depot Total Projects Length is 38.4 KM.  **Location:** Mumbai; India  **Responsibilities: -**   * Detailed designing of Mumbai Metro Line 2B & 4 with the use of advanced lighting design software’s like AGi 32(Ver 2.4) & DIALux 4.13. * Design and reviews BIM Models of Station and Depots – BIM Model Reviews of Ghatkopar Depot & Mogharpada Depot etc. * Responsible for Clash detection of MEP services with other services in BIM for Mumbai Metro Line 4 & Line 2B. * Design and developments of BIM model of MEP services for Mumbai Metro Line 4 & Line 2B. * Responsible for BIM model evaluation for Mumbai Metro Line 4 & Line 2B. * BOQ, Costing and Estimation of Lifts/Escalators. * Quantity evaluation of Lifts/Escalators with architect team * Station Egress calculation study, Traffic Study. * Technical Review of vendors for Lift/Escalators. * Clash detection of Lift/Escalators in BIM with structures team. * Review of detailed design of MEP services. * Detailed design of Depots for Line 4 & Line 2B * Validation of detailed designs given by consultants for Mumbai Metro Line 2B &4 project. * Monitoring of MEP design activity for preliminary, detailed & construction stage for Mumbai Metro Line 2B& 4. * Checking of clash detection of MEP services in BIM. * Checking of earthing, lighting calculations & cable layouts for MEP services for Mumbai Metro Line 2B & 4. * Validation of MEP DDC criteria as contractual project requirements * Preparation of SLD diagrams * Preparation of Electricals Layouts, Lux Level calculations * Clash detection in BIM * Calculating Electrical BOQ * BIM model review for station design. * SCADA & Automations system design for MML4 & MML 2B.   **Project Experience**  **From May 2016 to May 2019**  **M/s. EGIS India Consulting Engineers Pvt. Ltd.**  **Title:** Sr. Engineer MEP & Illumination  **Important Projects handled:**  **Project Name: General Consultant for** Mumbai **Metro Line 3**  **Client:** MMRCL  **Project Description:**  Mumbai Metro Line 3 including 26 Underground Metro Stations & 1 At grade station at Depot  **Location:** Mumbai; India  **Responsibilities: -**   * Detailed designing of Mumbai Metro Line 3 with the use of advanced lighting design software’s like AGi 32(Ver 2.4) & DIALux 4.12. * Design and reviews BIM Models of Station and Depots like Mumbai Central, Science Museum, Worli, Dadar, Santacruz & Bandra stations & Areay Depot. * Responsible for Clash detection of MEP services with other services in BIM like Mumbai Central, Science Museum, Worli, Dadar, Santacruz & Bandra stations & Areay Depot. * Design and development of BIM model of MEP services for Mumbai Central, Science Museum, Worli, Dadar, Santacruz & Bandra stations & Areay Depot. * Responsible for BIM model evaluation for Mumbai Central, Science Museum, Worli, Dadar, Santacruz & Bandra stations & Areay Depot. * Preparation of lighting layout for the same. * BOQ, Costing and Estimation of Lifts/Escalators. * Quantity evaluation of Lifts/Escalators with architect team * Station Egress calculation study, Traffic Study. * Technical Review of vendors for Lift/Escalators. * Clash detection of Lift/Escalators in BIM with structures team. * Review of detailed design of MEP services. * Detailed design of Depot for MML3 at Aarey. * Validation of detailed designs given by consultants for Mumbai Metro Line 3 project. * Monitoring of MEP design activity for preliminary, detailed & construction stage for Mumbai Metro Line 3. * Checking of clash detection of MEP services in BIM. * Checking of earthing, lighting calculations & cable layouts for MEP services for Mumbai Metro Line 3. * Validation of MEP DDC criteria as contractual project requirements * Preparation of SLD diagrams * Preparation of Electricals Layouts, Lux Level calculations * Clash detection in BIM * Calculating Electrical BOQ * MEP Vendor selection & evaluation based on the credential submitted by each vender. * BIM model review for station design. * Designing of SCADA system for MML3.   **Project Experience**  **From Oct 2015 to Dec 2015**  **M/s. Sunlux Energy Pvt. Ltd.**  **Title:** Manager Projects  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer & BIM   team   * Clash detection of MEP services with other services in BIM * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services   * BIM Model review of Station Design. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Projects handled:**   * Central Railway * Lodha Developers * Runwal Group   **Important Rail Projects handled:**  **Project Name: Central & Western Railway Station Upgradation**  **Client:** Indian Railways  **Project Description:** Upgradation of Mumbai Sub-urban railway stations with LED  **Location:** Mumbai; India  **Responsibilities: -**   * Detailed designing of Railway station with the use of advanced lighting design software’s like AGi 32(Ver 2.4) & DIALux 4.12. * Design of luminaire BOQ for a particular station. * BOQ, Costing and Estimation of Electrical for a station. * Existing illumination & electrical load study for a station. * Load calculation for other back office areas of a station. * Lux level measurements at various locations like platforms, corridors, ticket office etc. * Energy evaluation for entire station based on existing electricals loads.   **Project Experience**  **From Jan 2015 to July 2015**  **M/s. Aktins Global Ltd, Bangalore**  **Title:** Lighting Engineer  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer & BIM   team   * Clash detection of MEP services with other services in BIM * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services   * BIM Model review of Station Design & Highway Design. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Metro Projects handled:**   * North Wathbha, Abhu Dhabi * Doha Metro (Elevated Metro) * Dubai Metro (Elevated Metro)   **Project Experience**  **From Feb 2013 to May 2014**  **M/s. BEPS India Pvt. Ltd.**  **Title:** Business Development Manager  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   project team   * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services.   * Review of Site activity with contractor and client. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Projects handled:**   * Central Railway * Western Railway * Adani House, Ahmedabad * Mondeal Square, Ahmedabad   **Important Rail Projects handled:**  **Project Name: Western & Central Railway Station Upgradation**  **Client:** Indian Railways  **Project Description:** Upgradation of Mumbai Sub-urban railway stations & areas with LED  **Location:** Mumbai; India  **Responsibilities: -**   * Detailed designing of Railway station & areas with the use of advanced lighting design software’s like AGi 32(Ver 2.4) & DIALux 4.12. * Design of luminaire BOQ for a particular station. * BOQ, Costing and Estimation of Electrical for a station. * Existing illumination & electrical load study for a station. * Load calculation for other back office areas of a station. * Lux level measurements at various locations like platforms, corridors, ticket office etc. * Energy evaluation for entire station based on existing electricals loads.   **Project Experience**  **From March 2011 to Sep 2013**  **M/s. Future Lighting India Ltd.**  **Title:** Assistant Manager – Design & Development  **Responsibilities:**   * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   project team   * Co-ordination with BIM Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services.   * Review of Site activity with contractor and client. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Projects handled:**   * Southern Railway * Western Railway * Central Mall * Big Bazaar Outlets * YMCA Ahmedabad * Bangalore Airport   **Important Rail Projects handled:**  **Project Name: Southern & Western Railway Station Upgradation**  **Client:** Indian Railways  **Project Description:** Upgradation of Mumbai & Chennai Sub-urban railway stations & areas with LED  **Location:** Mumbai; Chennai, India  **Responsibilities: -**   * Detailed designing of Railway station & areas with the use of advanced lighting design software’s like AGi 32(Ver 2.4) & DIALux 4.12. * Design of luminaire BOQ for a particular station. * BOQ, Costing and Estimation of Electrical for a station. * Existing illumination & electrical load study for a station. * Load calculation for other back office areas of a station. * Lux level measurements at various locations like platforms, corridors, ticket office etc. * Energy evaluation for entire station based on existing electricals loads.   **Project Experience**  **From April 2007 to Feb 2011**  **M/s. Crompton Greaves Ltd.**  **Title:** Design Executive  **Responsibilities:**   * Design & Development of New lighting products as per project   requirements.   * Co-ordination of Lighting design projects for all four regions. * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   project team.   * Co-ordination with project Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services.   * Review of Site activity with contractor and client. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Projects handled:**   * DMRC Phase II * Central Railway * Western Railway * Surat Airport * Bubhneshwar Airport * Palanpur Swarupganj Expressway * TCS Chennai * HPCL * BPCL   **Important Metro Projects handled:**  **Project Name: DMRC Phase II**  **Client:** Delhi Metro Rail Corporation  **Project Description:** Delhi Metro Rail Corporation – Detailed Design for new phase of DMRC for 11 stations. (Elevated Metro)  **Location:** Delhi; India  **Responsibilities: -**   * Design of 11 elevated metro station for Illumination & Electrical detailed design. * Detailed lighting design in software’s like AGi 32(Ver 1.9), DIALux 4.12 & Relux 2006 etc. * Responsible for Project review with consultant for DMRC 11 stations till Dwarka Sector. * Responsible for Design and evaluation with client & consultant for DMRC 11 stations till Dwarka Sector. * Preparation of SLD diagrams for metro stations. * Preparation of Electricals Layouts, Lux Level calculations. * Calculating Electrical BOQ for 11 metro stations * Electrical load calculations for 11 metro stations. * Co-ordination with client, consultant & site team.   **Project Experience**  **From July 2006 to April 2007**  **M/s. Bajaj Electricals Ltd.**  **Title:** Lighting Design Officer  **Responsibilities:**   * Design & Development of New lighting products as per project   requirements.   * Co-ordination of Lighting design projects for all four regions. * Preparation of Concept Design, Detailed design of MEP Services * Coordinating the Design related information between Engineer &   project team.   * Co-ordination with project Team for MEP Services. * Review of MEP Services with Client, Architects & Contractor. * Monitoring of MEP design activity for preliminary, detailed &   construction stage.   * Preparation of Electricals Layouts, Lux Level calculations * Checking of earthing, lighting calculations & cable layouts for MEP   services.   * Review of Site activity with contractor and client. * Preparation of Electrical Calculation & review with client and   consultant.  **Important Projects handled:**   * Reliance Mart * HPCL * BPCL * NHAI Projects * Central Railway   **Project Experience**  **From July 2005 to July 2006**  **M/s. Pragati Electricals Pvt. Ltd.**  **Title:** Trainee Design Engineer  **Responsibilities:**   * Designing of Current transformers & potential transformers * Development of design software for CT & PT designing. * Co-ordination shop floor & design team for CT & PT designing. * Monitoring different test procedures as per Indian standards carried on CT & PT.   **Important Projects handled:**   * SIMENS S/S * ABB S/S * Central Railway S/S * Western Railway S/S |