



Work Visa Status:
Transferable IQAMA

EDUCATION

06/2001 - 05/2006
Anna university | Chennai, India
Bachelor of Engineering:
Electrical & Electronics
Engineering
First class

CERTIFICATIONS

*Facilities Management CPD
approved Alison certified
*Enrolled & Undergoing LEED
GA
*Saudi Council of Engineers
(SCE) – Membership No-
121426
*Auto CAD
*REDSEA Approved
*Aramco Approved
*TUV Electrical safety
*TUV First Aid Trainer
*Fire Warden certified

RAJ KUMAR MANOHARAN / MEP CONSTRUCTION MANAGER

- +966594356650
- rajjmano@gmail.com
- Al Malaz Riyadh, KSA.

PROFESSIONAL SUMMARY

A results-driven MEP Manager with over 19 years of expertise in the construction & execution of Mechanical Systems, Electrical Systems, ELV Systems, & all related MEP Systems.

Proven track record of successfully delivering complex projects, including Commercial Buildings, High-rise Structures, Luxury hotels, Housing Developments, Universities, & island projects.

Projects Completed:

- **Red Sea Turtle Bay – Six Canteen Buildings & Infrastructure** -Dry Utilities (Ongoing)
- **Red Sea CVH Staff Camps (Camp A & B) & Infrastructure** Dry & Wet Utilities – Umlujj, KSA
- **Red Sea Shura Island Projects** - Infrastructure, Logistics & Power Supply Services – Umlujj, KSA
- **KAUST HBRP University Campus** – Jeddah, KSA
- **ITHRA World Trade Centre (Aramco Project)** – Dammam, KSA
- **Marriott Courtyard Hotel** – Riyadh, KSA
- **Orange Lake Villas / Jebel Ali Labor Camp** – Dubai, UAE
- **Adarsh Rhythm Residential Project** – Bangalore, India
- **Davis Langdon & Seah (Consulting Projects)** – Chennai, India

Key duties include:

- **Project Planning & Execution:** Developing execution plans, coordinating with other disciplines (architects, civil engineers), & monitoring progress through all phases of construction.
- **Quality & Safety Assurance:** Enforcing strict adherence to health, safety, & environmental (HSE) standards & ensuring all work complies with local building codes, safety regulations, & project specifications.
- **Technical Management:** Reviewing & approving technical documentation, including shop drawings, material submittals, & method statements. They also provide expert technical support & problem-solving on-site.
- **Team & Subcontractor Oversight:** Leading, managing, & coordinating the work of in-house engineers, supervisors, technicians, & external subcontractors.

SKILLS

- Project management
- Strong decision making
- Complex problem solver
- Communication Skills
- Design Review
- Contractual understanding
- Materials selection expertise
- MEP coordination
- MEP Systems knowledge
- Budget control capabilities
- Leadership mastery
- Health & safety standards
- Client Relationship Management
- AutoCAD operation
- Inventory management
- Staff management
- HR practices
- Leadership skills

- **Budgeting & Cost Control:** Managing project budgets, monitoring costs, negotiating with vendors, & preparing progress reports & invoices (IPC).
- **Commissioning & Handover:** Overseeing the testing, commissioning, & final handover of all MEP systems to the client, including documentation (O&M manuals, as-builts).

WORK HISTORY: Duration: 09/2024 - Current

Role: MEP MANAGER / REDSEA GLOBAL – Six Canteen Buildings, Infrastructure & Dry Utilities

Organization: AL MASAR ALHADEETH CO LTD | Umlujj, KSA

Value of the Project: 320 million SAR

- Obtain, Prepare & submit all necessary submittals to get approval from consultants, authorities, & clients for all systems along with required samples
- Verify BOQ (Bill of Quantities) & Material Take-offs for site execution & follow up of Monthly IPC & invoices along with client approval.
- Managing the Engineering site execution team & handling the team to make proper installation of all systems in HVAC, Electrical Low voltage & Medium Voltage systems, ELV, Fire Alarm systems, ICT, Disabled emergency toilets, Generators, Transformers, Cable trays & Trunk, Foam suppression system, Fire Suppression system, Firefighting systems, Water supply, Drainage, Chilled water, Rainwater systems, BMS system, Access Control system, infra works etc.
- Managed MEP installations to ensure top-quality results
- Served as main point of contact for MEP issues.
- Oversaw daily operations to achieve high productivity levels
- Handling the site execution team along with the technical team
- Along with MEP testing & commissioning & final handover to the clients until the agreed DLP period to complete all the snags
- After execution Submit As-built drawings, O&M manuals, & warranties to clients
- Monitor permit-to-work (PTW) approvals for hazardous MEP activities with HSE regulations implementations with Enforced safety protocols (LOTO, PPE, Fire Safety etc.)
- Project management & ability to coordinate multiple MEP disciplines, facilitated training sessions to enhance team skills & knowledge

Duration: 01/2021 - 08/2024

Role: SENIOR ELECTRICAL CHIEF

1. REDSEA SHURA ISLAND – Infrastructure, Logistics & Power supply

2. REDSEA STAFF CAMPS CVH - Staff camp A&B / Infrastructure dry utilities

Organization: Saudi Arabian Baytur Construction Company | Umlujj, Saudi Arabia : **Value of the Project:** 140 million SAR

LANGUAGES

English

Fluent

Arabic

Beginner

Hindi

Fluent

Turkish

Intermediate

Malayalam

Intermediate

Urdu

Fluent

Tamil

Fluent

Kannada

Fluent

- Preparing, Coordinating, & getting approval of Shop Drawings As built drawings, Material Approvals, Installation method statements, Inspection testing Plan Method Statement, Prequalification documents
- Ensure that all documents such as work inspection request (WIR), material inspection request (MIR), Site observations, RFI, Method of statements, NCRs are responded within scheduled time
- Supervision, execution, installation, testing & commissioning of Generators, Transformers, Automatic Transfer Switch, Synchronize Panel Board, Distribution Panel Boards, Sub distribution Panel Boards, Fire alarm system, Earthing system, External Lighting, Internal Lighting, Power systems & Lightning protection systems
- Supervision, execution, installation testing & commissioning, Firefighting, Sewage system, storm water collection system, Fuel system.

Handed over the MEP works in REDSEA SHURA ISALND POWER & INFRASTRUCTURE DRY UTILITIES -&- CVH 3000 beds STAFF Camp A & Camp B.

Package Substations for REDSEA CAMPS / Power Distribution:
*Executed & managed Package Substations including RMU, Transformer, LV Panel, & Protection Systems.

*Coordinated with clients & consultants for substation approvals, energization, & final power release.

*Supervised installation of HV/LV cables, transformers, RMUs, earthing, lightning protection, & trench works

* Coordinated shutdowns, energization procedures, & safety compliance during live testing & power-on activities.

* Prepared & finalized as-built drawings, test reports from 3rd party, O&M manuals, & handover documentations.

*120 Generators installed & Maintenance works .

*1050 FDB Panels installed & Maintained.

*30 Synchronizing MDB panels installed & Maintained.

*71 SMDB panels installed & Maintained.

*203 Water tanks installed & Maintained.

*100 Booster pumps with control panel installed & Maintained*30 Sewage Tanks installed.

*30 Generator hubs with full FUEL SYSTEMS installed & Maintained.

*81 Diesel tanks installed & connected with the MDB panels & Maintained .

*300000 Meters of Cable pulled & termination done for all panels

*13500 internal lights installed & Maintained.*125 Street lights installed with LCP panels.

*150 CCTV , 430 WIFI devices , 3 ICT Main rooms , 18 ICT cabinets distributions , Cat 6a , FOC cables pulled & installed.

*36 BPS power supply panels & 2 FACP panels Installed.

*Earthing & Grounding works for all panels.

*Sewage pump pit works with control panels.

*Storm water pump pit works with control panels.
*Fire Fighting System with mechanical rooms.
*BMS system works with field devices installation works.
Team handled: 300+ technicians, 6 Engineers , along with Subordinates.
*IPC preparation & attending all client meetings & coordination's.
*Materials Approval / Purchase request / Materials follow ups/MIR.
*Drawing approvals / As Built drawings approvals/MEP coordination.
*Preparation of lookahead project plan / Cash flow plan preparation / VO preparations / 3rd party bills / Documents & Reports Daily weekly basis.
*Site works inspections / Site Coordination's/QC / Consultant follow ups / WIR/SOR/ TBT / T&C of all systems / Handing over /O&M Training *Recruitment of teams & interviews.

Duration 03/2015 - 12/2020

Role: Senior Electrical Chief – ITHRA / KAUST HBRP
Organization: KSA Baytur Construction Company | KSA
Value of the Project: 1.2 billion SAR

Duration :04/2012 - 01/2015

Electrical Engineer – Marriott Courtyard Hotel
FARE Construction Al Hokair Group | KSA
Value of the Project: 180 million SAR

Duration: 03/2011 – 03/2012

Electrical Engineer – Jebel Ali camp / villa
Al Shirawi Electrical & Mechanical Engineering | UAE
Value of the Project: 120 million AED

Duration: 04/2010 - 02/2011

Asst. Quantity Surveyor MEP – SOMERSET HOTELS
Davis Langdon & Seah Consulting India Pvt Ltd | India
Value of the Project: 50 million INR

Duration: 06/2007 - 02/2010

Electrical Engineer – 337 Apartments Rhythm
M/s. Adarsh Developers | Bangalore, India

Duration: 04/2006 - 04/2007

Electrical Engineer – LV PANELS
M/s. SKC POWER PANEL CONTROLS Pvt Ltd | Bangalore, India

WEBSITES/PORTFOLIO

- <https://www.linkedin.com/in/rajkumar-manoharan-70b>

REFERENCES: Will be given upon request.

Current Location : 2626 Al Malaz, Riyadh , KSA.

