



# RAJ KUMAR MANOHARAN

## MEP MANAGER



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rajjmano@gmail.com



Malaz Riyadh , Saudi Arabia

## PERSONAL DETAILS

Work Visa Status:  
Transferable

## EDUCATION

06/2001 - 05/2006

Anna university | Chennai,  
India

Bachelor of Engineering:  
Electrical and Electronics  
Engineering  
First class

## CERTIFICATIONS

\*Facility Management Certification  
(Alison CPD)

\*Saudi Council of Engineers  
(SCE) - Membership No-121426

\*Auto CAD

\*REDSEA Approved

\*Aramco Approved

\*TUV Electrical safety

\*TUV First Aid Trainer



## WEBSITES/PORTFOLIO

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

## PROFESSIONAL SUMMARY

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

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

### Projects Completed:

- Red Sea Turtle Bay - Six Canteen Buildings Ongoing
- Red Sea CVH Camp A & B - Umlujj, KSA
- Red Sea Logistic & Power Supply services Shura Island, KSA
- KAUST HBRP Campus Projects - 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 - Bangalore, India
- Davis Langdon & Seah - Chennai, India.

## WORK HISTORY

Duration: 09/2024 - Current

**Role: MEP MANAGER / RSG** - Six Canteen Buildings Ongoing  
**Organization: AL MASAR ALHADEETH CO LTD** | Umlujj, Saudi Arabia

- Develop MEP execution plans aligned with the project timeline
- Obtain, Prepare and submit all necessary submittals to get approval from consultants, authorities, and 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.

## 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 and safety standards
- Client Relationship Management
- AutoCAD operation
- Inventory management
- Staff management
- HR practices
- Leadership skills



- Strong Execution knowledge of HVAC, Electrical, Plumbing, ELV systems and Firefighting
- 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.
- Achieved project timelines with meticulous planning and delegation
- Managed MEP installations to ensure top-quality results
- Served as main point of contact for MEP issues, increasing client satisfaction.
- 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
- Ensure timely material procurement & delivery to avoid site delays
- After execution Submit As-built drawings, O&M manuals, and warranties to clients
- Ensure MEP work is executed per project specs & standards
- 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
- Problem-solving skills for handling site execution challenges
- Leadership & teamwork to manage site engineers & subcontractors
- Communication skills for coordination with consultants, suppliers, and authorities
- Facilitated training sessions to enhance team skills and knowledge

**Duration: 01/2021 - 08/2024**

**Role: LEAD MEP Manager - SHURA ISLAND / RSG CVH Camp A&B**

**Organization: Saudi Arabian Baytur Construction Company | Umlujj, Saudi Arabia**

- Preparing, Coordinating, and 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 and 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 and Lightning protection systems
- Supervision, execution, installation testing and commissioning, Firefighting, Sewage system, storm water collection system, Fuel system

Handed over the MEP works in REDSEA SHURA ISALND POWER & UTILITIES -&- CVH 3000 beds Labor Camp.

\*120 Generators installed and 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 and connected with the MDB panels & Maintained .

\*300000 Meters of Cable pulled and 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 and installed.

\*36 BPS power supply panels and 2 FACP panels Installed.

\*Earthing and 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 and 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 and interviews.



## LANGUAGES

English



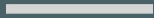
Fluent

Arabic



Beginner

Hindi



Fluent

Turkish



Intermediate

Malayalam



Intermediate

Urdu



Fluent

Tamil



Fluent

Kannada



Fluent

Duration 03/2015 - 12/2020

**Role: Senior Electrical Chief - ITHRA / KAUST HBRP**

**Organization: Saudi Arabian Baytur Construction Company | Saudi Arabia**

- Reviewing and Analyzing of All Material Submittals, Drawings.
- Monitoring and coordinating all Electromechanical activities in various stages of works and ensure working harmonies in coordination with all other Civil / Architectural department's works
- Taking over Complete responsibility over the MEP works carried out at site as per the timeline schedules with regularizing the engineering teams along with the required follow ups for the Materials and allocating the required Manpower deployments according to the project running situations
- Review, approval and follow up of Materials Ordered according to the look ahead programs on timely priority basis
- Generate look ahead work schedules, Monthly Running Account bills, Method of Statements and Work Permits
- Attending the Weekly Quality meetings, Progress & Technical meetings, Site Safety meeting, and Toolbox Talk programs with the construction teams, design teams and client
- Implement the work schedule and monitor progress of the work for timely execution of the project through daily/weekly/monthly/ reports with respect to review of the overall project

Duration :04/2012 - 01/2015

**Electrical Engineer - Marriott Courtyard Hotel**

**FARE Construction Al Hokair Group | Saudi Arabia**

Duration: 03/2011 - 03/2012

**Electrical Engineer - Jebel Ali camp / villa**

**Al Shirawi Electrical & Mechanical Engineering | UAE**

Duration: 04/2010 - 02/2011

**Asst. Quantity Surveyor MEP - SOMERSET HOTELS**

**Davis Langdon & Seah Consulting India Pvt Ltd | India**

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**

**PERSONAL INFORMATION:** Passport no: T3913178

Address: 19B Anna Nagar, Coimbatore, Tamil Nadu, India

**REFERENCES:** Will be given upon request.