

# **CURRUCULUM VITAE**



## **S. Arul Prakasam**

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## **Career Summary**

With over 25 years of diverse experience in detailed engineering, project management, and civil and MEP contractor processes, I have developed a comprehensive skill set in architectural design and construction management. I have successfully led and contributed to various high-profile projects, including corporate offices, hotels, educational institutions, industrial developments, commercial complexes, high-rise apartments, luxury villas, and greenfield developments.

My expertise spans the entire project lifecycle, from conceptual design to execution and delivery, ensuring adherence to quality, budget, and timelines. I have a proven track record of managing multidisciplinary teams, coordinating with stakeholders, and optimizing project performance. My ability to navigate complex regulatory frameworks and ensure compliance with safety and building codes further strengthens my role as a project leader.

Notable projects in my portfolio include IT parks, assembly buildings, and high-rise residential towers, where I consistently delivered innovative solutions and enhanced operational efficiencies. I am committed to driving excellence in every project, leveraging my extensive experience to meet client needs and exceed expectations.

I experience in medium to high-rise buildings, along with your work in MEP (Mechanical, Electrical, and Plumbing) systems, is particularly valuable in today's construction and infrastructure development sector. I had done encountered various challenges and developed effective solutions over the years.

I have a comprehensive skill set and deep expertise in a wide range of project management and engineering areas. My proficiency in various aspects of expansion projects, project procurements, and project management makes an asset in the field. Here is a breakdown of some key areas I mentioned:

**Planning & scheduling** effective project planning and scheduling are crucial for ensuring projects completed on time and within budget. My expertise in this area is essential for project success.

**Cost Management:** Managing project costs is vital for maintaining profitability. My ability to control costs and keep projects within budget is a valuable skill.

**Vendor Management:** Managing and working with vendors and suppliers is essential for obtaining the necessary materials and services for my projects.

**Consultants & Design Management:** Coordinating and managing consultants and design processes are critical for ensuring the project meets its objectives and design specifications

**Contract Administration:** Properly administering contracts is essential for ensuring that all parties involved in the project meet their obligations.

**Quality Management:** Maintaining high-quality standards in construction and engineering projects is crucial for safety and long-term durability.

**Client Management:** Building and maintaining strong relationships with clients is important for securing future projects and ensuring client satisfaction.

**Safety Management:** Ensuring safety on construction sites is a top priority. My expertise in safety management contributes to a safer working environment.

**Value Engineering Analysis:** Value engineering involves optimizing projects for cost efficiency while maintaining or improving quality. Due to my skills in this area can result in cost savings.

**Green Building Concepts (IGBC/USGBC):** Sustainable and environmentally friendly construction practices are becoming increasingly important. My experience in implementing green building concepts aligns with modern environmental and sustainability goals.

**Erection & Testing & Commissioning:** This phase is crucial to ensure that all systems are operational, and the project is ready for its intended use.

My ability to strategize, lead, and motivate teams in challenging projects is a highly valuable skill set. I possess strong leadership qualities and a proactive approach to project management. Here are some key attributes associated with my description:

**Leadership:** My capacity to lead and guide teams is essential for project success. Strong leadership fosters collaboration and ensures that team members are aligned with project objectives.

**Team Player:** Being a team player is vital in any collaborative work environment. My willingness to work alongside my team members and support their efforts contributes to a positive work atmosphere.

**Proactivity:** Being proactive means I can identify potential issues and opportunities before they arise. This quality allows me to take preventive measures and make the most of favorable situations.

**Strategizing:** Effective strategizing involves planning and making informed decisions to achieve project goals. My strategic thinking can lead to better project outcomes.

**Motivation:** Motivating teams is key to maintaining high morale and productivity. My ability to inspire and encourage my team members can lead to better project performance.

**Challenging Projects:** My experience in handling challenging projects indicates my ability to tackle complex issues and deliver results even in demanding situations.

These qualities make me an asset in the world of project management and engineering. They are particularly important in fields where innovation, problem solving, and teamwork is essential. My combination of technical expertise and leadership skills positions me as a valuable professional in my industry.

**My synopsis highlights an impressive background and expertise in the field of MEP (Mechanical, Electrical, and Plumbing) projects, with a particular focus on electrical engineering. Here is a breakdown of my key strengths and qualifications:**

**Experience:** With over 25+ years of experience, I possess a wealth of knowledge and expertise in handling a wide range of MEP projects, which encompass electrical, HVAC, fire-fighting, plumbing systems, and various other installations.

**Diverse Project Portfolio:** My experience extends to a diverse array of installations, including electrical systems, HVAC, fire-fighting, plumbing, gas, lifts, generators, communication systems, and many more. This diverse portfolio displays my adaptability and versatility.

**Compliance and Safety:** Ensuring compliance with quality and safety standards is paramount in any MEP project. My ability to maintain such compliance demonstrates my commitment to delivering high quality, safe projects.

**Cross-Functional Skills:** my ability to swiftly ramp up projects and execute them on time reflects my cross-functional skills, including project management, procurement, and coordination across various disciplines.

**Knowledge of Current Construction Methodologies:** Being well versed in contemporary construction methodologies and systems that adhere to quality standards is crucial for successful project execution.

**Strong Communication and Networking:** my exemplary relationship with management, along with my effective communication skills and networking abilities, allows I to collaborate seamlessly with project stakeholders, including team members, consultants, contractors, and regulatory agencies.

My expertise and experience make me an asset in the field of MEP engineering. My ability to manage and execute diverse projects while maintaining quality and safety standards, along with my strong communication and relationship-building skills, positions me as a competent and accomplished electrical engineer in my industry.

### **Areas of Expertise:**

My involvement in inspection and review processes, particularly regarding specifications, Bill of Quantities (BOQ), design load calculations, schematics, review layouts prepared by Service Consultants, is essential for ensuring the accuracy and quality of the project's technical details. My ability to manage and oversee this critical phase is crucial for maintaining project integrity and adherence to the intended design.

Furthermore, my proficiency in change management during the design development phase indicates my capacity to adapt and respond effectively to evolving project requirements. My coordination with the civil team and prompt resolution of comments underscores my strong communication and problem-solving skills, crucial for maintaining project momentum and efficiency.

Managing the engineering team and ensuring the timely delivery of design drawings are essential leadership responsibilities. My effective management of the team facilitates a smooth workflow and ensures that the project remains on schedule. Timely delivery of design drawings is crucial for the overall project timeline and signifies my commitment to meeting deadlines and maintaining project efficiency.

Overall, my involvement in these tasks demonstrates my comprehensive understanding of the intricacies of the project development process and my ability to effectively navigate and manage the various challenges that arise during the design phase of a project.

My involvement in reviewing and monitoring various aspects of project execution, including vendor drawings, document submittals, material samples, method statements, safety procedures, testing, commissioning, and quality control procedures, plays a critical role in ensuring the successful implementation of a project

My involvement in these areas is integral to the overall success of the project. By ensuring that vendors, contractors, and the project team adhere to quality, safety, and compliance standards, I contribute to the delivery of a well-executed project that meets the client's expectations. My meticulous oversight helps prevent issues and ensures the project progresses smoothly.

My responsibilities related to monitoring operating budgets, managing overall operations, and organizing or participating in project review meetings are key components of effective project management

My ability to fulfill these roles demonstrates my proficiency in financial management, project oversight, and effective communication. By closely monitoring budgets, managing operations, and actively participating in project review meetings, I contribute to the successful execution of projects, ensuring that they stay on track, meet quality standards, and remain within budget. This proactive approach helps prevent and address issues, ultimately leading to successful project outcomes.

My role in anchoring on-site construction activities is critical for the successful completion of a project within the defined time and cost parameters while optimizing resource utilization. By anchoring on-site construction activities and overseeing these various aspects, I contribute to the efficient and successful execution of the project. My role is central to ensuring that the project completed within the specified parameters and meets quality and safety standards. My proactive approach and resource management skills are essential for achieving these goals.

My responsibility for overseeing the preparation of monthly progress reports is integral to effective project management. These weekly / monthly progress reports are vital for stakeholders, including project owners, management, and other team members, as they provide a clear picture of the project's status and allow for informed decision-making. My ability to oversee the accurate and timely preparation of these reports is essential for maintaining transparency and accountability throughout the project lifecycle.

Managing the bidding process from floating of bids to awarding contracts is a critical role in project management. My role in managing the bidding process is crucial for securing the right contractors or suppliers and achieving cost-effective and quality outcomes. Effective management of this process helps ensure that the project gets off to a strong start with well-suited partners or vendors.

My responsibilities encompass a wide range of activities related to the technical and commercial aspects of project contracts. My role is vital for ensuring the smooth execution of projects, adherence to contractual obligations, and effective management of project costs and changes. Effective techno-commercial negotiations, documentation, and administration are key to achieving successful project outcomes and client satisfaction.

Leading a team of professionals and ensuring the appropriate deployment and timely availability of engineers are key leadership responsibilities in the field of project management. My leadership in managing a team of professionals, including engineers, is vital for achieving project success. By fostering a collaborative and efficient work environment, ensuring that the

right people are available when need, and supporting the professional development of my team, I contribute to the effective execution of projects and the achievement of project goals.

Liaising with various stakeholders in a construction project is a multifaceted role that involves effective communication, coordination, and negotiation. My role as a liaison between these stakeholders is critical for project success. Effective communication and collaboration with architects, consultants, contractors, sub-contractors, and suppliers help ensure that the project progresses smoothly, adheres to technical specifications, and complies with all necessary regulatory requirements. My ability to coordinate these efforts is key to the efficient execution of construction projects.

## Professional Experiences:

<b>COMPANY / ORGANIZATION</b>	<b>DESIGNATION</b>	<b>DURATION</b>	<b>TASKS / PROJECTS HANDLED</b>
Alekhya Homes Pvt Ltd	DGM - MEP	From Jan 2024 to till date	<ul style="list-style-type: none"> <li>a) Alekhya Rise Premium Luxury Apartment – 512 Units / Project Area: 7.60 Acres /</li> </ul>
Vertex Homes Private Limited	DGM - MEP	From Oct 2020 to Jan 2024	<ul style="list-style-type: none"> <li>a) Vertex Kingston Luxury 250 Villas (12,29,384 Area, 40 acres development)</li> <li>b) Vertex Viraat Mivan High-rise Project (27L area ,1428 Flats, 3B+30F x 6 Towers)</li> <li>c) Vertex Pristine Residential Apartment (309 Flats, 2B+GF+9 Floors)</li> <li>d) Vertex Premio (225 Flats)</li> <li>e) 100 Acres Plots</li> <li>f) 120 Villas – Desing Development</li> <li>g) Apartments – 23L Area 3B + 15F Ongoing – Desing Development</li> </ul>
L&W Construction Private Limited	Sr. Manager (MEP)	From June - 2019 to June 2020	<ul style="list-style-type: none"> <li>a) Nexity Commercial / IT Project (50,62,3648 Sq. ft.) – Ongoing (5B+ GF + 22F x 4 Towers)</li> <li>b) The Spire IT Project (23,64,131, Sq.ft) – Ongoing ( 3B+GF+22F x 2 Towers)</li> </ul>

<b>Jones Lang LaSalle Property Consultants (India) Pvt Ltd</b>	<b>Sr. Manager (MEP)</b>	From June - 2011 to June - 2019	a) Aparna Serene Park Residential Project (39, 94, 551 Sft), (2B + GF + 20F x 12 Towers) Mivan – Completed  b) Lake Breeze Residential Project (3B+GF+14F x 14 Towers (15, 15,765Sft) in Hyderabad – Completed  c) Taj Gate Way Star Hotel (270068 sft) in Chennai – Completed  d) Nokia Siemens Commercial Project in Chennai - Completed  e) Caterpillar HEX Assembly Facility Project (98,317 Sft) in Chennai – Completed  f) Caterpillar Unit Shipment Facility Project (75,650 Sft) in Chennai - Completed  g) Milton Roy India Industrial Project (49,350 Sft) in Chennai – Completed
<b>M/s. East Coast Construction Pvt Ltd</b>	<b>Head - MEP Services</b>	Dec 2008 to June 2011	Tamil Nadu's New Assembly Legislative Project (19, 37,503 sq.ft) in Chennai
<b>ESKAY DESIGN Architect Pvt Ltd</b>	<b>Sr. Project Engineer - MEP Services</b>	March 2006 to December 2008	TECCI IT Park, OMR, Chennai. / ETA Techno IT Park
<b>PGP Group of Companies, Chennai</b>	<b>Assistant Engineer - MEP Services</b>	April 2003 to March 2006	High Rise Buildings, Commercial complex, Star Hotels etc.

<b>TEXMO INDUSTRIES</b>	<b>Quality Engineer</b>	Sep 2001 to April 2003	ISI Testing Inspector in the Process Engineering team (Electrical) From 13.09.2001 to 12.09.2002 and Quality Control Team Leader (Electrical) from 20.09.2002 to 02.04.2003 In TEXMO INDUSTRIES (as ISO 9001 company) COIMBATORE
<b>Bannari Amman Engineering College, Sathyamangalam</b>	<b>Electrical Supervisor</b>	June 2001 to Sep 2001	Electrical Supervisor (Building Construction & Operation of Electrical Sub-Station) during the period from 01.06.2001 to 10.09.2001 in Bannari Amman Engineering College, Sathyamangalam
<b>M/s. Erode Rana Textile Process (P), Ltd</b>	<b>Trainee Electrical Supervisor</b>	May 1999 to June 2001	Trainee Electrical Supervisor during the period from 01.05.1999 to 30.06.2001 in M/s Erode Rana Textile Process (P), Ltd., and Bhavani and has the experience in various electrical lines.

### **TASKS DISCHARGED IN DETAIL (organization wise):**

#### **Organization 1) Vertex Homes Private Limited:**

##### **ROLES AND RESPONSIBILITIES:**

###### **Personal Attributes:**

Reports to work punctually and regularly, displays honesty, high level of confidentiality and credibility in work situations.

Takes initiatives, demonstrates a positive work attitude, self-confident, and holds high level of energy.

Accepts required changes positively and adjusts to the demands of the job.

Communicates well with all levels within the organization in a logical and organized manner.

Problem solving: Can analyze data and suggest solutions to problems to allow for efficiency and quality improvements within the work unit.

Business awareness: Understands the wider business environment in the context of delivering short-term and long-term goals.

**Development of Human Capital:**

Liaises with the HR Department as necessary and ensures that HR policies and procedures are implemented

Ensures the on-going evaluation of junior employees recommends and implements the appropriate training and development plans where necessary

Develops training plans and facilitate training of all employees within the Division.

**Health & Safety:**

Liaises with the Health and Safety Department to ensure compliance with the Corporation's legal requirements.

Ensures that all Health and Safety issues, which have been highlighted and / or officially reported, are addressed within the stipulated timeframes.

Leads and /or participates in incident investigations.

**Cost & Budget Management:**

Provides insight and guidance relevant to cost estimates on MEP systems.

Ensures that Project team Works effectively, assesses, signs off and approves Payment Certificates from Contractors and /or Consultants engaged by the Corporation

Communicates cost variations to seniors in a timely fashion and makes recommendations to contain cost overruns.

**Communication and Relationship Building:**

Assists in maintaining effective working relationships with key internal and external stakeholders.

Performs any other duties related to the job function as may be necessary

Establishes a positive working relationship with construction teams.

**Project Management:**

Overall responsibility for multiple projects of Electrical, HVAC, Plumbing, Fire Fighting, Telecom Systems, CCTV, Security and Safety Systems, Solar Systems for the projects.

The key responsibilities will be providing overall direction, running of day-to-day operation, coordination, and implementation, overseeing the current portfolio of work, completion of MEP work and meeting consistency with company strategy, commitments and goals

Capital Budgeting and monitoring budgetary parameters

Provide design inputs for MEP & Civil related works

Co-ordination and liaison with Architects, Consultants, Contractors and Engineers about work execution

Vendor Management

Liaison with government bodies & other agencies to obtain all technical sanctions and approvals for smooth execution of projects

Finalization of consultants drawing & scheme

Understand project goals, helps Construction Manager in preparation of project execution strategy

Supervise and monitor the MEP contractors/sub-contractors on site

Pertaining to MEP leads and communicates with Subcontractors and Vendors to assist them to work as per the project schedule. Attend the kick-off meeting

Allocate work with clear job responsibilities to engineers and supervisors

Cost Analysis & productivity analysis to be done and well implemented at site

Coordinate with the Planning Department for updating in master project plans and working out recovery plans in case of delays

Able to review resource reports like (manpower histograms, plant and machinery schedule) and ascertain adequacy of resources deployed for timely completion of the project

Review and approve the monthly bills of the contractors

Make sure that safety procedures followed on site without exceptions and all P & E maintained in proper conditions

Awareness/ Exposure on various Construction/System methodologies

Business Development

Tendering & Bid preparation

Responsible for budgeting, production planning, staffing, and inventory levels

Full financial responsibility - including reviews & analysis of expenditure

Develop operations plan and direct overall activities to assist in achieving total construction objectives

Ensure and monitor project progress and/or delays and take corrective steps to meet Projects deadline.

To implement/follow proper QA/QC procedures by maintaining and following Project QA/QC Manual

Organizational restructuring, recruiting, training and development along with succession planning in coordination with the HR Dept at Corporate level

To provide Board Members with adequate and timely reports on the company's activities.

Coordinate with the Group Corporate areas to assure a streamlined business process and comply with corporate guidelines

General Management experience in MEP industry

Strong knowledge of MEP Systems (all aspects - design, function, installations, testing & commissioning and coordination with other trades)

Advanced understanding of construction planning, estimating and commercial processes, and supervision of large projects essential

Creating and maintaining a vision of the company's vision.

Planning company's growth strategy

Manage and balance the company's revenue and expenses

Oversee the functions of other departments

Assess the strengths and challenges of the company.

## **Organization 2) L & W Construction Private Limited:**

### **ROLES AND RESPONSIBILITIES:**

Does project Start-Up planning

Reviews the general contract, contract documents, and confirms the budget setup and project milestones in conjunction with Project Head

Pertaining to MEP leads and communicates with Subcontractors and Vendors to assist them to work as per the project schedule. Attend the kick-off meeting.

Assists in the development of a Divisional Action Plan relevant to MEP activities.

Assists in the development of standard operating procedures relevant to mechanical /Electrical and plumbing engineering.

Assists in developing and monitoring project performance against strategies and plans and acts as necessary to ensure achievement of goals and objectives.

Develops and reviews designs for mechanical /electromechanical, HVAC electrical and plumbing systems and oversees the preparation of related engineering drawings.

Evaluates mechanical and electromechanical systems and products by undertaking and applying the relevant principles.

Monitors the construction of mechanical/electromechanical, electrical and plumbing systems.

Provides technical advice / inputs relevant to MEP systems.

Reads and interprets design and construction drawings, schematics and system-generated reports.

Prepares engineering reports, budgets, tender documents, cost estimates and assists in the evaluation of proposal.

Builds effective working relationships with clients and project team members

Maintains the schedule, write scopes of work, distribute and log subcontracts, write required contract riders and purchase orders, and confirm compliance with project insurance requirements.

Review subcontractor references, obtain Subcontractor bonds, and maintain project files.

Maintains and manages all purchase and delivery schedules, change order processes,

Shop drawings, document control logs, Architect and Subcontractor correspondence.

Attends all schedule and management MEP meetings necessary to monitor and manage the project, chairing as appropriate. Also conducts required meetings. Attends pre-construction meetings with clients and consultants as necessary. Conducts periodic Meetings with Design Consultants and Vendors to review outstanding issues and progress per agreed Schedule. Follow-up pending issues proactively to conclude at the earliest.

Ensures as per the international best practices and national construction standards.

Handles financial Management

Handles Project Closeout

Manages subcontractor issues

Conducts the MEP training activities

Assists in developing Schedules and Milestones towards achieving the target as per the end date of assigned projects and submits for approval. Monitors activities and takes necessary action to ensure milestones achieved.

Responsible for delivering MEP solutions to engineering queries and requests from internal/external stakeholders of the Corporation.

Mobilizes and manages relevant project resources and related issues in accordance with the project plan.

Recommends and coordinates integrity and performance testing of equipment.

Attends Factory Witness Tests and ensures all equipment performance is as per the specifications and approved shop drawings and submittals.

Monitors and evaluates the performance of Contractors/Consultants on project sites.

Ensures adherence to quality control, monitoring compliance with building and safety codes and relevant regulations.

Reviews the design load calculations.

Manages the engineering team & timely delivery of design drawings.

Reviews the MEP subcontractor Quality Plan including, but not limited to, organizational chart, work program schedule, material acquisition plan, shop drawings plan, subcontracting plan, method statements, inspection and testing plan, safety plan, forms and checklists.

Has close tie-up with different agencies for project execution at project site.

Develops critical best practices for Fit-Gap optimization, Risks identification and mitigations, Risk reduction, Complete Scope, Plan and Budget control.

Proactively manages measures for Monsoon, emergencies and Business contingencies plans at site.

Establishes and maintain good client relationships and pro-actively identifies opportunities for business development.

Ensures the quantities for certification of invoices, RA bills & submits to QS engineer for further action.

Ensures all contractors follow all safety rules and comply all safety procedures as required on site.

Develops and executes maintenance programs for electromechanical equipmentsystems to ensure optimum running with good conditions.

Reports to GM-MEP periodically.

Ensures that the subcontractor and vendor training is properly developed and delivered.

Assists in the practical training of Site Operations team members.

Assists in the development of site-specific training materials.

Verifies subcontractor completed works are in line with contract requirements.

Provides guidance and technical support to complete project in time.

Determines labor requirements and dispatches workers to construction sites.

Inspects and review projects to monitor compliance with building and safety codes, and other regulations.

Takes overall responsibility for the performance of all MEP trades.

## **Organization 3 ) Jones Lang LaSalle Property Consultants (India) Pvt Ltd**

### **Responsibilities and duties:**

1. Overall, in-charge of M & E activities for Projects
2. Adept in Handling Expansion Projects & Project procurements, Planning, Design Analysis, Budget Tracking, Selection of MEP vendors, Float Tenders, Project Tracking, Analysis MEP Progress, Quality Improvement, Safety Analysis, Training for MEP activities, Coordination of MEP works, Inspection of MEP works, Value Engineering Analysis, Co-ordination & Implement for Green Building concept IGBC / USGBC, etc.,
3. Excellent understanding of Project Management Processes, Proficient in Planning & Scheduling, Cost Management, Vendor Management, Consultants & Design Management, Contract Administration, Quality Management, Client Management and E.H.S
4. Co-ordination with MEP Services Consultants & Architects for preparation of Design Reports, Tender Documents, BOQs, Estimates, Drawings
5. Formulating capital budgets, cash flow & ensuring optimum utilization of available funds.
6. Adept at managing project activities involving appointment of contractors / vendors ensuring timely achievement of business targets.
7. Close tie-up with difference agencies for project execution at the site with quality, safety & monitoring completion of job by committed delivery of project within budgetary limits with compliance to quality standards
8. Understanding the working dynamics and layout of each Centre
9. Designing desired Architecture of Electromechanical Systems with optimum Capacities and comparing to current
10. Develop critical best practices for Fit-Gap optimization, Risks identification and mitigations, Risk reduction, Complete Scope, Plan and Budget control

11. Proactively manage measures for Monsoon, emergencies and Business contingencies plans at site
12. Consultant / Contractor Performance are Reviews
13. Review of last audit points, review of the standard operating procedure and O & M instructions, forms etc.
14. Ensure the building drawings/SLD and other main system drawings are available at site
15. Experience in coordinating with field
16. Establish and maintain good client relationships and pro-actively identify opportunities for business development
17. Coordinates with Site managers, and engineers for planning and execution of M&E installation works
18. Conduct periodic Meetings with Design Consultants and Vendors to review outstanding issues and progress per agreed Schedule. Follow-up all pending issues proactively to conclude at the earliest
19. Preparation of Sample board / Samples / Mockup in Co-ordination with the Vendor & Prepare Schedule for pre-approval by CLIENT.
20. Inspecting & approving the works executed about the specifications, General Installation Practice & Approved Quality Test Procedures.
21. Verifying the quantities for certification of invoices, RA bills & submits to Planning / QS engineer for further action.
22. Verifying & analyzing variations raised by vendors, prepare variation order with justification for Claims.
23. Reviewing and approval of Project Safety Plan of vendors
24. Liaising with Architects, Consultants, Contractors, and Sub-Contractors & Suppliers for determining technical specifications, bill of quantities, seeking approvals and obtaining statutory clearances leading a team of Engineers & Supervisors.
25. Reviewing the MEP subcontractor Quality Plan including, but not limited to, organizational chart, work program schedule, material acquisition plan, shop drawings plan, subcontracting plan, method statements, inspection and testing plan, safety plan, forms and checklists.

- 26.Responsible for Inspection, Site Progress Checking, quality control and supervision of all of MEP works
- 27.Responsible for verification and witnessing of all MEP works in accordance with specification, and different stages of the project execution and monitor the MEP works for conformances with provision of the contract documents and the procedures manual and compliances with local /Government authority.
- 28.Reviewing Design drawings, shop drawings, and review technical submittal submitted by contractors give comments
- 29.Assisting in creation and Coordination, of overall project Plan and schedule and monitor all MEP progress and performance against milestone of the project.
- 30.Ensuring that all contractors follow all safety rules and comply all safety procedures as required on site.
- 31.Witnessing of testing and commissioning of projects equipment has and services systems and complete all handing over formalities. Take necessary action if found work not comply with the project specification raise mail Communication, Corrective Action Report, Non-Confirmation Report. In addition, reply of Requisition for Information after consult with design team or concern dept.
- 32.Reviewing specifications, BOQ, design load calculations, schematics & layouts prepared by Service Consultants. Change management during design development phase, coordination, resolution of comments & timely delivery of design drawings.
- 33.Cost estimation and Value engineering of all MEP Works
- 34.Coordinating with concerned departments at the Project and to ensure the availability of required equipment's, materials and work forces to facilitate the construction activities to achieve the task
35. Discussing technical aspects of MEP system with consultants, Architects
- 36.Coordinating with Project heads/Engineers deputed at site regarding services works.
- 37.Site visit to check the quality and progress of the work on daily basis.
- 38.Checking BOQs and estimates for all MEP works.
- 39.Checking deviation statement (cost & quantity) for the material as per agreement against the actual executed material.

40. Developing and executing maintenance programs for electromechanical equipment's systems to ensure optimum running good conditions.
41. Installing and commissioning a complete range of company's equipment at project locations as well as provided onsite technical support to the clients.
42. Computing operational and maintenance cost estimates and effected cost cutting/ energy saving measures to achieve substantial reduction in maintenance cost.
43. Implementing preventive maintenance schedules whilst ensuring compliance with the organizational policies and procedures.
44. Ensuring that maintenance calendar is in place and adhered to in best possible manner
45. Coordinating for feedback from Facility Management Team during completion and handover

#### **Organization 4) M/s. East Coast Construction Pvt Ltd**

**Projects Details:** - The New Tamil Nadu Assembly Project is the largest Assembly project development in Chennai. Seven stories Tamil Nadu's new Legislative Assembly building in Chennai has become India's largest government building to be award the LEED (Leadership in Energy and Environmental Design) Gold Certification from the Indian Green Building Council (IGBC). The building would use less water, consume less energy, preserve natural resources, generate less waste and provide healthier space to occupants, as compared to a conventional building. Design conceived by German architect GMP, the geometry of this new building reflects circles and isosceles triangle.

#### **Responsibilities and duties:**

1. Plan and organize the construction activity for all MEP works on site with all its technical aspect while respecting time and budget.
2. All activities from Pre-Tendering to after sales services (Projects Estimation, Techno Commercials negotiations with Contractor including co-ordination of all kinds of Engineering Activities/inspection, In line with contractual terms/rendering after sales services and technical support.
3. Float tender & review the packages
4. Explain to vendor all modification or progress of site in due course of process during tender finalization
5. Analyzing and ensuring various resource requirements particularly skilled labor, plant and machinery.

6. Correct construction methodology and problem solving if any.
7. Participation in Clients weekly/fortnightly meetings apart from the company's project team and representing the company, more for identifying problem area has to be tackled.
8. Guiding the field Engineers towards the goal of achieving successful end result at Project level for Timelines, Quality and economical construction practices.
  
9. Working out the quantities of materials & procuring the same and preparing measurement & bill.
10. Co-ordination with vendor of schedule of delivery of technical submittals, shop drawing and equipment
11. Reviewing & finalization of shop drawing along with technical department.
12. Checking & Management of all services Equipment drawings.
13. Responding to the queries from client regarding Engg Documents by interaction.
14. Lead a team of M&E Engineers & Draftsmen to successfully complete projects on time, within budget and meet quality targets
15. Review the MEP Contractor Quality Plan (QA/QC) including, organizational chart, work program schedule, material acquisition plan, shop drawings plan, subcontracting plan, method statements, inspection and testing plan, safety plan, forms and checklists.
16. Possesses strong communication, people management and analytical skills; adept in swiftly ramping up projects in close coordination with consultants & other external agencies and ensuring on time deliverables.
17. Coordinate directly and indirectly with Project staff and providing technical guidance and support to them to ensure successful completion of the Project within approved budgets on cost, resources without compromising on quality and safety.
18. Conducted site inspections on a regular basis
19. Constantly monitoring work progress and conforming it to the approved shop Drawing, Specification, applicable National / International codes such as per the Standards
20. Attending regular meetings on work progress, coordination, design etc., with client, consultant and Architect to discuss key issues related to the Project and take effective corrective actions.
21. Reviewing the status of projects with contractor weekly and give them direction to execute the work as per quality and project standards and as per Site requirements.

## **Organization 5) ESKAY DESIGN Architect Pvt Ltd**

### **Responsibilities and duties:**

1. Keep Close involvement with client and design consultant for System Designing, & Detailed Engineering of Project covering System layout in line with client requirement.
2. Co-ordination with the relevant department and project consultant for preparation of drawings & finalizing design specifications.
3. Clear understanding of the order in terms of Technical Consultant(s) & Client requirement, cost, schedule, billing process and payment terms.
4. Co-ordination with Client, Consultant and Contractors.
5. Ensuring effective site management and discipline to ensure safe execution of the projects.
6. Ensure technical support to the management by Time management of Activities/resources, procurement planning for the material, optimize project cost and Progress monitoring & report areas of concern on regular basis to keep in control of risk management & quality management.
7. Verification of All Design drawings and Contractor drawings in IT and Shopping Mall Building Construction
8. Execution and Managing all type of works
9. Certificate of Running bill measurements by clients at site
10. Solving site related issues pertaining to Client details in site with good communication & Technical knowledge
11. Improve the Quality
12. Exposure to detailed engineering, Project monitoring, and execution of all type of MEP works
13. Study a review plans, legends, specifications, details for proper installation, estimate and calculate material needed.
14. Measurements of works done and getting it through by way of successful inspections.
15. Provide input information for progress updates and billing as per requirement
16. Attend the technical meetings between the MEP subcontractor & systems' suppliers.

### **Building Details:**

- Building type IT park [ TECCI PARK]
- 2Basements +1Ground Floor +8 Floors – Two blocks connecting basements
- Land area 5.31 acres and Build up Area 5.7 Lac sq. ft
- Floor per area 3000sqm
- Building height 40m

### **Electrical:**

- 33KV RMG / 6.4 MW capacity
- 4 x 1600 KVA capacity Transformers
- M.V panel is Inbuilt Auto/Manual synchronizing system
- All H.T and L.T panel Design and contractor drawings was verified, Materials approved,
- Inspection of factory, Site execution, Erection, Testing and Commissioning
- CEIG coordination

### **Plumbing:**

- UG sump capacity 4.5 Lac – 2nos
- UG sump capacity 2,5 Lac – 1 no
- Hydro pneumatic system for water flushing and domestic purpose
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- Waste water Recycling arrangement system
- Rainwater Harvesting system
- Water efficient landscaping

### **HVAC:**

- 330 Ton capacity of Chiller 8 Nos [Centralized - Air cooled chiller units]
- Heat Recovery Wheel 8 Nos
- All type of Exhaust fans for Basements, Toilets, Pantry, STP supply and STP exhaust, Fresh air supply in Basement and Jet Fans 100nos
- AHU's 68 Nos by VFD panel
- Duct less ventilation system in Basements
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning

### **Fire Fighting:**

- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- Jockey pump, Sprinkler pumps, Hydrant pump and DG pump

### **Diesel Generator:**

- All Design and contractor Drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- 6 x 1250 KVA Generators [Make Cummins and Stamford] including Room Acoustic, Insulation with Auto/Manual synchronizing system

### **Lift:**

- Make Mitsubishi brand
- Passengers lift 10 nos 20P – 1350 kgs
- Service lift 2 nos 1000kgs
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning

### **STP/WTP:**

- STP 500 m3/day capacity
- Operate flow rate of 21.0m3/hr continuously for 24 hours
- WTP 25m3/hr capacity
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning

### **IBMS, CCTV, ACS, PA:**

- All Control and Monitoring system is plan for the entire office complex.
- The central control scheme and the control logics Verified
- The BMS system is fully integrated with the Security, Access and CCTV systems and the Integrated System Architecture and the Central System Components
- All Design and contractor drawings was verified, Materials approved, Site execution, erection, Testing and Commissioning

### **Green Building:**

- Coordination and Document preparation of Green Building certificate from USGBC

### **PROJECT AT GLANCE FOR GREEN BUILDING**

The building with an area of 800,000 Sft has achieved SILVER rating under United State of Green Building Council- Leadership in Energy and Environmental Design for Core and Shell programmer.

### **Project-2: ETA Techno Park, OMR, Chennai.**

#### **Building Details:**

- Building type IT park [ ETA TECNO IT PARK]
- 3Basements +1Ground Floor +22 Floors – Two blocks connecting basements
- Land area 25.00 acres and Build up Area 45.0 Lac Sft
- Floor per area 7500sqm

### **Electrical:**

- 110KV/11KV Substation / 40 MW capacity
- [110KV/11KV] 20MVA x 2, [11KV/433] 2500KVA x 8 and 2000KVA x 4 Capacity Transformers
- All H.T and L.T panel Design and contractor drawings was verified, Materials approved, Inspection of factory, Site execution, Erection, Testing and Commissioning
- CEIG Coordination

### **Plumbing:**

- UG sump capacity 5 Lac – 6nos
- UG sump capacity 2,5 Lac – 1 no
- Hydro pneumatic system for water flushing and domestic purpose
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- Waste water Recycling arrangement system
- Rainwater Harvesting system
- Water efficient landscaping

### **HVAC:**

- 1400 Ton capacity of Chiller 7 Nos [Centralized - Air cooled chiller units]
- Heat Recovery Wheel System
- All type of Exhaust fans for Basements, Toilets, Pantry, STP supply and STP exhaust, Fresh air supply in Basement and Jet Fans
- AHU's by VFD panel
- Duct less ventilation system in Basements
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning

### **Fire Fighting:**

- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- Jockey pump, Sprinkler pumps, Hydrant pump and DG pump

### **Diesel Generator:**

- All Design and contractor Drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- 15 Nos 2000 KVA HT Generators [Make Mitsubishi] including Room Acoustic , Insulation with Auto/Manual synchronizing system

**Lift:**

- Make Mitsubishi brand
- Passenger lift 20P – 1350 kgs
- Service lift 2 no's 1000kgs
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning

**STP/WTP:**

- STP 800 m3/day capacity
- WTP 40m3/hr. capacity
- All Design and contractor drawings was verified, Materials approved, Site execution, Erection, Testing and Commissioning
- 

**IBMS, CCTV, ACS, PA:**

- All Control and Monitoring system is plan for the entire office complex.
- The central control scheme and the control logics Verified
- The BMS system is fully integrated with the Security, Access and CCTV systems and the Integrated System Architecture and the Central System Components
- All Design and contractor drawings was verified, Materials approved, Site execution, erection, Testing and Commissioning

**Green Building:**

- Coordination and Document preparation of Green Building certificate from USGBC

**Organization 6) PGP Group of Companies, Chennai**

PGP Group of Companies have been offering for High Rise Buildings, Commercial complex, Star Hotels etc.

**Key Points:**

- Development Area of the project 250 acres
- 22KV (H.T) Substation and Yard arrangements work
- H.T Vacuum Circuit Breaker panel
- 500 KVA RECO Transformer Ltd 22KV/433 Volt Power Distribution Transformer
- L.T M. V panel and Floor panel Boards.
- 250 KVA Gen- Set (Gemmco Ltd) and 50 KVA Gen-Set (2 Nos).
- 204 KVA UPS (Online)
- Generate the electrical supply and cooking by Biogas project
- Execution & Coordination of MEP works in various building
- Plumbing Activities
- LPG Gas Activities

- Installed HVAC Equipment's
  - 2 Ton capacity 25 nos Window A/c units.
  - 3 Ton capacity 30 nos Split A/c units.
  - 100 Ton capacity Duct able Split A/c units.
  - 44-Ton capacity Package A/c units.
- LAN & Network activities
- 612 Kg (9 Persons) Schindler passenger Lift
- EPABX (Electronic Private Automatic Branch Exchange) Telephone Lines (120 Lines, 10 Lines DOT)
- HT & LT Installation and various types of Engineering machines & lighting equipment's etc.
- CEIG fellow up (Rule – 63 & 46)
- Building construction-planning works.
- Building construction estimate and site marking work.
- Erection of All L.T SFU panels, Power distribution Board, Lighting Distribution Board, and cable lying estimate work.
- All electrical line solution works at building construction.
- Execution of Multi storage colleges, Auditorium, High Level Hostels,
- STP Plant & WTP developments
- Project Coordination for Interior work in Lee Royal Meridian Hotel ( 5-Star) at Chennai

### **Organization 7) TEXMO INDUSTRIES (as ISO 9001 company), Coimbatore**

Worked as ISI Testing Inspector in the Process Engineering team (Electrical) From 13.09.2001 to 12.09.2002 and Quality Control Team Leader (Electrical) from 20.09.2002 to 02.04.2003 In TEXMO INDUSTRIES (as ISO 9001 company) COIMBATORE

#### **The roles played here were:**

##### **a) Testing**

- Testing of bore well submersible pump as per IS 8034.
- Testing of bore well submersible motor as per IS 9283.
- Testing of open well Monoblock as per IS 14220.
- Testing of open well Monoblock as per IS 907
- Maintaining testing quality records.
- ISO follow up.

**b) Winding**

- Filling inspection of all production stators.
- Inspection of winding wires.
- Testing of end connected stators and rework rectification.
- Maintenance winding quality record

**c) Calibration**

- Maintaining calibration of all testing equipment's, calibration of vacuum and Pressure Gauge at in house

**Organization 8) Bannari Amman Engineering College, Sathyamangalam**

Worked as Electrical Supervisor (Building Construction & Operation of Electrical Sub-Station) during the period from 01.06.2001 to 10.09.2001 in Bannari Amman Engineering College, Sathyamangalam

- Execution of Slab Conduits works, Erection of LT Panel works,
- Operation and Maintenance of 1000KVA Indian Transformer Ltd. 11kv / 433 Volt Distribution Transformer make ETE the Tahera Electric supply Co Ltd.,
- Operation and Maintenance of HT & LT Installation and various types of Engineering machines and Building Construction work and 500KVA and 300 KVA - Kirloskar Cummins makes generators and lighting equipment's etc.

**Organization 9) M/s Erode Rana Textile Process (P), Ltd**

Worked as a Trainee Electrical Supervisor during the period from 01.05.1999 to 30.06.2001 in M/s Erode Rana Textile Process (P), Ltd., and Bhavani and has got the experience in various electrical lines.

- Operation and Maintenance of 500 KVA Indian Transformer Ltd., 11kv / 433 Volt power Transformer.
- Operation and Maintenance of HT & LT Installation and various type of Textile process Machines and 160 KVA (2nos) Kirloskar Cummins make generators and lighting equipment's etc

## **Professional Qualification**

Qualification - Diploma & B. Tech

Specialization - Electrical & Electronics

Engineering Class - 1st Class with honors (77%)

Additional Qualification - ADCP (Advanced Diploma in Computer Programming)

## **COMPETENCY CERTIFICATE**

Certificate No - 27021

Issued from - The Secretary,

The Electrical Licensing Board,  
Government of Tamilnadu

## **Computer Literacy:**

Operating system - Windows 7/8 / XP

Software - Ms.-Office (Office, Excel, Power Point), MS Project, Auto-Cad,

## **Personal Information:**

Name - Arul Prakasam

Father's Name - S. Singarayar

Date Of Birth - 12 May 1978

Nationality - Indian

Religion – Roman Catholic

Marital Status - Married

I hereby declare that the details given above are true to the best of my knowledge and belief.

Place: Hyderabad

Date:

(Arul Prakasam)