

Lenin. M
Mechanical Project Engineer
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OBJECTIVE:

Seeking career advancement as a **Mechanical Engineer** Coordinator with in a dynamic, high growth organization that welcomes fresh ideas, initiative, dedication and Experience demanding excellence in consistently meeting business objectives. Effective communicator with great technological expertise currently looking for **Mechanical Engineer** position.

CAREER ACHIVEMENT

- More than Sixteen years of progressive experience in the Mechanical Engineer Five years of them as the Consultant of Project Site Mechanical Engineer of Works in Construction field.
- MEP Project Execution Engineering management in Type of Villas, high and Medium rise Building, Apartment buildings, Ancillary building, Administration building, Masjid big and small, Kinder Garden School, boys and girls Schools, Swimming Pool, Shopping Mall, Clinic center, warehouse, Guard Room. (STP) Sewage treatment plant and water treatment plant.
- Residential Building Housing Board Project to be install STP Plant of Capacity 2407 m3/Day.
- The treated Water Can be utilized for Toilet Flushing & Gardening.
- Experience with Water/Waste Water Infrastructure design that includes Permitting, Grading, Storm, Drainage, Water Distribution and Sanitary Sewer Collection System.
- Monitor and Co-operate with STP technician.
- Preparation, execution, monitoring, Testing, and Commissioning of all MEP Systems like HVAC, Plumbing, Drainage, water Supply, Strom Water, fire Fighting, irrigation water supply network, external water supply network, external drainage network, external strom water, external firefighting network.
- Project Reporting, Site coordination, and Client meeting, Presentation and team supervision.
- Preparing technical Proposal, Material Submittal and obtaining client approval.
- Review of Design and Drawing and calculation and Conduits quality Survey.
- Material Procurement, Contract Management, Contract Agreement and Price negotiation.
- Sound Exposure in HVAC Systems and plumbing Codes.
- Sound Exposure in Plumbing pipes Selection and Size.
- Sound Exposure in Irrigation systems, water treatment plant, and Sewage treatment plant, centralize water heater, drainage, water supply and swimming pool systems.
- Sound exposure in HVAC equipment selection, Duct material selection and ducting size. • Sound Exposure in Chill water system, FCU, AHU'S Air and water Cool Chiller, Cooling tower, heat exchanger package Roof top unit and Exhaust fan.
- Wide experience in the design of commercial and residential Buildings including their systems like HVAC, Drainage, Water Supply & Fire Fighting.

- Site inspection of the Mechanical Systems like HVAC, Drainage, Water Supply Network and Fire Fighting.
- Knowledge of materials and installation techniques and can specify the use of appropriate material to suit the design requirement and the budget. • Preparing the work as per time schedule of the project.
- Deft in managing construction engineering activities with the ability to handle activities related to installation and Design Review.
- An Excellent communication analytical presentation abilities and capable of conducting stakeholder meeting.
- Manage the pre-construction review meetings with contractors and suppliers. Provide required advice on MEP design issues to design consultant team arising during construction.
- Conduct a weekly meeting to review the progress to match the project time schedule.
- Ability to handle more than one contractor at the same time.
- Ability to handle follow up more than one project at same time.

EDUCATION

Bachelor of Engineering (Mechanical) - 2006. Annamalai University. Chidambaram

Diploma in mechanical engineering (DME) - 2002. VLB JANAKI AMMAL POLYTECHNICS. KOVAI

Name of Company : SDT INTERNATIONAL CONSULTANT (June2020 –March 2021)

Designation : Mechanical Engineer
 Projects Handled : **Red Sea Project**
 Project Profile : **Red Sea Development Company**

Major Projects Handled

Red Sea Project is a Land and Property Development Project. The project is focused on Tourism and Tourist to visit the Saudi Western coast area. In our company project involved in 5 Island development, 16 Luxury hotels, 2 Inland sites, and 3100 hotels rooms like Two bed rooms types, Three bed rooms types, Four bed rooms types and Village Types villas .

As a Mechanical Engineering Inspector coordinating with Project Management of building service projects teams and multi-disciplinary teams. Work with project management to develop overall schedule, manage time and task within schedule. To lead Contractor and Sub- Contractor teams of electrical, mechanical, plumbing and Pre Cast Panel Erection engineers to adhere to the client project requirements and scope for preparation of contract document for multi residential commercial Project. Types of Villas like Two bedroom townhouse, Two bedroom Villa, Three bedroom Villa, Four bedroom Villa.

Name of Company : Archen Engineering Consultant (Dec2015 –June 2020)

Designation : Project Site Engineer Mechanical
 Projects Handled : South Boarder Housing Project
 Project Profile : **MOI Housing Complex in South Border Areas**

Major Projects Handled

South Border Housing Project cost of 5 Billion riyal, 1728 units (Including 227 Apartments, 168 Villa 2B, 170 Villa 2C & other 50 Ancillary Building's Infrastructures work inside of Compound (Jizan KSA)

Mechanical engineer with strong interpersonal and communication skills with the ability to lead design teams of electrical, mechanical, and plumbing engineers to adhere to the client project requirements and scope for preparation of contract document for multi residential commercial, Two Types of Villas, Mousqa and institutional (Boys and Girls school) building construction administration and commissioning of a variety of mechanical, piping, plumbing, fire protection, and energy related system.

Renovation work for whole factories building, all MEP fixtures are newly erected like firefighting pipe line works, chilled water pipe, potable water pipe, Ducting erection (Supply and return), Coordinate with lighting, power supply, cable tray fixing, installation FCU (Fan Coil Unit), Zone control valve (Pressure Gauge, Butterfly valve, check valve), alarm check valve. Reel cabinet, landing valve & fire pump installation (electric, diesel, jokey pump). Sewage Treatment Plant (STP), Reverse Osmosis Plants, Glass Reinforced Plastic Water Tank (GRP).

The Sewage Generated during the operation Phase will be treated up to the tertiary level in Sewage Treatment Plant (STP). The entire 100% treated sewage from STP of 2407m³/day Capacity will be recycle/reuse for toilet flushing, car washing and Landscaping in the Project Site excess will be used for avenue Plantation / Sewer.

Name of Company : Tech one automotive industry (Jan 2013-Mar2015)

Designation : Mechanical Site Engineer
Projects Handled : NISSAN MOTORS, Daimler, Km seats, YSI, DUCKWOO

Project Profile :	Hyundai motor. Constructed the following area's in Hyundai motor India Ltd Sriperumbudur plant Admin block and canteen and R& D Block and Workers training room and rest room and Shop floor material dispatch area and utility room with Electrical works and AC Works and all firefighting system installation, and toilet work and STP work Cooling tower and chiller unit erection and all water and air line piping work.
Job responsibilities / Designation	I was done following activities during my project time as a Site Engineer. <ul style="list-style-type: none">• Read and understand Shop drawings and identify the materials needed for the job.• Responsible of Waste Water Treatment plant in STP Plant as site Engineer and STP Capacity 100 KLD• Ensure that all materials and supplies needed are available on site.• Monitored construction activities, to ensure work efficiency and workmanship.• Supervised and insure work compliance with project quality, safety requirements.

	<ul style="list-style-type: none"> ● Review of Quality assurance Plan, Welding Procedure and job related Applicable procedure. ● Zone control valve (Pressure Gauge, Butterfly valve, check valve), alarm check valve. Reel cabinet, landing valve & fire pump installation (electric, diesel, jokey pump)..
Project Profile :	<p>NISSAN MOTORS:</p> <p>Constructed the following areas in Nissan motor India Ltd Oragadam plant. Construction for body shop and paint shop and Trim & Chassis and Engine shop and Hospital and Press shop and Canteen and toilet work and STP work Firefighting and Airline and water line and full office interior works and fall ceiling works and garden works and fencing work for car parking areas.</p>
Job responsibilities / Designation	<p>I was done following activities during my project time as a Site Engineer.</p> <ul style="list-style-type: none"> ● Inspection during installation and alignment of Pipe (All type of pipe) Internals, ab ground underground piping, Pre-commissioning and commissioning activity. ● Read and understand Shop drawings and identify the materials needed for the job. ● Ensure that all materials and supplies needed are available on site. ● Ducting erection (Supply and return), Coordinate with lighting, power supply, installation FCU (Fan Coil Unit). ● Includes Test Lab, NDT (for welding), Hydra test, Pneumatic Test (installed chille firefighting pipe) Internal Inspection and final Inspection. ● Routine site visit and make study regarding piping installation and repair ● Supervised in fabrication of all commissioning piping work based on standard isometric drawing. ● Zone control valve (Pressure Gauge, Butterfly valve, check valve), alarm check valve. Reel cabinet, landing valve & fire pump installation (electric, diesel, jokey pump).. ● Established and publish clear priority issue among project activities. ● Supervised day to day activities associated in scheduled manpower work. ● Prepare daily reports of work progress and man power utilization. ● Study/Review of P &I Diagrams, Engineering Data Sheets, Basic Process Package and Technical Specifications. ● Responsible of Waste Water Treatment plant in STP Plant as site Engineer and STP Capacity 160 KLD
Project Profile :	<p>Daimler India Commercial vehicles Ltd</p> <p>Constructed the following areas in Daimler India Commercial vehicles Ltd Oragadam plant.</p> <p>Construction for body shop and paint shop and Assembly shop and Pipe rack and R&D Block and Workers training room and rest room and Shop floor Firefighting and Airline and water line and full office interior works and fall ceiling works and garden works and fencing work for Truck parking areas and STP and RO Plant and Sump work and Utility works and Pump Fixing.</p>

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Job responsibilities / Designation	<p>I was done following activities during my project time as a Sr. Site Engineer.</p> <ul style="list-style-type: none"> • Read and understand Shop drawings and identify the materials needed for the job. • Ensure that all materials and supplies needed are available on site. • Monitored construction activities, to ensure work efficiency and workmanship. • Prepared materials to carry out the work provide assistance as required by the crew. • General guidance and work direction for assigned group in every area. • Prepared accomplishment and progress report on the job to be discuss on the meeting. • Established and publish clear priority issue among project activities. • Supervised day to day activities associated in scheduled manpower work. • • Prepare daily reports of work progress and man power utilization. . • Study/Review of P &I Diagrams, Engineering Data Sheets, Basic Process Package and Technical Specifications. • Zone control valve (Pressure Gauge, Butterfly valve, check valve), alarm check valve. Reel cabinet, landing valve & fire pump installation • Responsible of Waste Water Treatment plant in STP Plant as site Engineer and STP Capacity 120 KLD
Project Profile :	<p>Following these companies are suppliers in Hyundai. Km seats, YSI, DUCKWOO</p> <p>Constructed the above mentioned companies in Sriperumbudur area. Admin block and guest house and shop floor and pump room and Maintenance Area and DG Installation and Dispatch area and Electrical works for machine installation and airline connections and Water and chemical pipe lines for Paint shop areas civil and Electrical and mechanical works are handled my supervision.</p>

Job responsibilities / Designation	<p>I was done following activities during my project time as a Project Engineer.</p> <ul style="list-style-type: none"> • Read and understand Shop drawings and identify the materials needed for the job. • Ensure that all materials and supplies needed are available on site. • Looking after the day to day progress of the current project. <p>Inspection during installation and alignment of Pipe (All type of pipe) Internals, above ground underground piping, Pre-commissioning and commissioning activit</p> <ul style="list-style-type: none"> • All firefighting system installation, testing and commissioning. • Zone control valve (Pressure Gauge, Butterfly valve, check valve), alarm check valve. Reel cabinet, landing valve & fire pump installation (electric, diesel, jokey pump).. • Supervised and ensure, manpower works scheduling. • Ducting erection (Supply and return), Coordinate with lighting, power supply, installation FCU (Fan Coil Unit). • Monitored construction activities, to ensure work efficiency and workmanship. • Supervised job execution to meet project standard and specification. • Supervised and insure work compliance with project quality, safety requirements. • Checking of Equipment Layout, Piping Layout Plans and Sections, Piping, isometrics, etc. • Knowledge of Material Specification for Pipes, Valves and Fittings. <p>Monitoring fit up and welding works, Coordination with QA/QC Dept. to clear the Fabricated .</p>

Name of Company: BIN ARBAID GROUP (QATAR. SHUT DOWN WORK)-july2012 to jan2013

Designation : Mechanical Site Engineer

Project Handled 2 : L&T, RASGAS, EMCO

Project Profile : Oil & Gas Constructions:

Construction of Cooling Towers (Cross Flow & Counter Flow; Wooden & RCC Structures), Vessel Foundations, MS Pipe Line Laying Project (36" M.S. Pipe line) Pipe line laying Project in Qatar Oil Refinery Company. Earthworks, Industrial Paving, Pipe Supports & Pipe Sleepers, Remedial Actions& repairing of old industrial structures.

Name of Company : TECHONE AUTOMATIVE INDUSTRY (Feb 2010-Jun2012) **Designation :**

Mechanical Site Engineer

Projects Handled : Nissan Motors, Daimler, KM sheets, YSI, Duck woo

Responsibilities

I worked as a site engineer in Tech one automotive industry with 2010 to 2015 and I have included in the company of all work responsibilities and nature of work, and also my responsibility for the company. In 2012 June I got a one opportunity to work with Qatar so that, I decided to move on the country pried of june2012 to jan2013 after that I came to the previous company of Tech one automotive industry to rejoined as my interest. So I have mentioned my all work of responsibilities front of the page.

Name of Company : **Annamalai Engineers (Client of Neyveli Lignite Corporation.) (Jun 2006-Dec 2009)**
Designation : Mechanical Project Site Engineer
Project Handled : NLC (Contraction work for Office and Quarters for Employees and Labors

Project Profile

Building Constructions: Construction of Single Story to Multi-story Buildings, Residential Complex, Office Building, School Building, Hyper market Building, Administration building, Laboratory. Project Planning, Resource forecasting & Procurement, Get prepared shop Drawings, Layout & Marking the foundations, Execution of Entire Building's Structures & finishes.

On-site works as per the schedule, interprets drawings, specifications, standards, and carries out field engineering work, good knowledge in all types of plumbing drainage and firefighting drawings. Experienced in execution, Supervision and inspection of all site works. Good knowledge in all firefighting works like pipe lines, fire suppression system(inert gas system)sprinkler, fire hose reel with its cabinet, fire extinguishers...)good planning and presentation skills, execution, inspection & supervision, handling HVAC ,firefighting and known plumbing installation too.

COMPUTER and Extra SKILLS

MS word

MS Excel

Aconex

AutoCAD

Good Experience in Pre-cast panel Wall type and Box Type Models.

PERSONAL DETAILS

Passport Number : P9470591 – **VISIT VISA**

Place of Issue : Jeddah. Saudi Arabia

Date of Birth : 12.06.1983

Marital Status. : Married

Languages Known : English, Tamil, Hindi, and Arabic

Permanent Address: Big Street, Themmur, Themmur post, Kattumannar koil.

Lenin. M

Dubai

