

CURRICULUM VITAE

K.N. SRIKANTH
MECHANICAL ENGINEER ([HVAC,FIRE FIGHTING SYSTEM & PLUMBING](#))
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Summary:

Graduate in mechanical engineering (B.Tech) with over 10 and half years' experience (6 and half years in GULF and 4 and half years in India) in the field of design , quantity surveyor ,estimating & Execution of HVAC,Plumbing & firefighting system of Residential ,commercial and Industrial projects.

Bahrain: Registered with the council for regulating the practice of engineering professions(CRPEP)

Saudi Arabia: Registered with Saudi council of engineers (SCE).

Driving License : Valid Saudi driving license.

Professional Experience:

➤ Company :Vara Lakshmi Industries, India

Period: July 2020 – November 2021

Designation: Sr.Project engineer (Mechanical,HVAC,Plumbing & firefighting system)

Major Projects:

1. Sulphuric Acid Plant In M/s Nanda Chemicals Pvt Ltd.,-Nellore
Equipments : Waste Heat Recovery Boiler,3.2MW Man Energy Turbine, Converters, Drying Tower, Interpass Absorption Tower, Final Absorption Tower, Melter, Furnace, Filters, Cooling Towers, WTP, Boiler Feed water Pumps Etc.

Responsibilities:

- ❖ We are dealing end to end project for 320TPD Sulphuric Acid Plant (SAP).
- ❖ Refer thoroughly client PO's bar charts, Progress reports, Schedules as per delivery
- ❖ Dates and raise the Pro forma Invoices as per PO terms.
- ❖ Continue follow up with customers to clear payment dues in time.
- ❖ Attend the internal meetings, site meetings & client meetings.
- ❖ Check the site civil status and attend the inspections as per approved layouts and prepare reports.
- ❖ Coordinating with site team, client, design, sub vendors, purchase, production, Quality and finally dispatch to finished product to site to reach client schedules.
- ❖ Prepare long delivery major BOC's list and get the technical specifications & quotations as per our technical specifications and negotiate with suppliers as per our budget and release the order to suppliers.
- ❖ Follow up with suppliers and get the drawings, material within time to reach production schedules.
- ❖ Coordinate with concern departments and execute the job within time period.
- ❖ Submit the drawings to end user for approval and conduct internal and external review meetings to shot out issues.
- ❖ After readiness of job deal with 3rd party inspection and get clearances. If any IBR related Equipments /pressure parts is there to submit all related documents and offer inspection and Clearances.

- ❖ Domestic and export dispatch planning's like vehicle planning, transport request, getting
- ❖ Quotations, comparisons, finalization and dispatch the material.
- ❖ Cross check invoices as per BBU and maintain proper records.
- ❖ Coordinate with site team and contractors to finalize and rates and execute jobs within time period.
- ❖ Maintain the complete project drawings revision records and up to date release to concern departments.
- ❖ Study of P & ID, Instrumentation & Electricals and understand the processes.

➤ **Company : AWAL Refrigeration & Air conditioning, Bahrain**

Period: July 9th 2019 – June 14th 2020

Designation: Sr. Project engineer (HVAC, Plumbing & firefighting system) with CRPEP LICENSED CAT-B

List of Projects Executed:

1. F. Almutaw building at al seef G+15 Store building.
2. 4 star hotel (Al-Khoyool Est) @ BU ASHIRA

List of Projects Bidded:

Souq Al Baraha at DAM (Town Centre), King Hamad university hospital, Royal Pivilon, Al juffair 4 star hotel Al-awali international school, CAA HQ Building, Once Mall Project, Dannat Al Budaiya - 121 Villas, KAMC, Meshal Hotel, G+10 CAR PARKING & SPORTS HALL, Health Center Madinat Khalifa, American Mission Hospital @ A'Ali, Construction of 360 Social Apartment Units _AMAS_ Plot 18 & 17, Proposed car parking at Diplomatic area, Al Rabeeh Medical centre @ Manama.

Responsibilities:

- ❖ Preparing complete cost of estimation for Hvac, plumbing & firefighting system which includes; material, labor, erection equipment's, testing / commissioning man hours, direct & indirect resources in line with BOQ & Drawings, scope of work, project specifications & standards.
- ❖ Finding out what the client wants.
- ❖ Take off quantities from the tender drawings and preparation of BOQ.
- ❖ Gathering quotes from sub contractors and suppliers.
- ❖ Reviewed and completed bid proposals.
- ❖ Responsible for submitting the tender on time.
- ❖ Check and prepare material submittals in conjunction with the project manager.
- ❖ Prepare and maintain the shop drawings flow sheet.
- ❖ Review comments received from the consultant on material submittals and shop drawings. Prepare and organize submittals as required.
- ❖ Take-off material quantities from the approved drawings and prepare material requisitions.
- ❖ Ensure that all materials are ordered in time so that the progress on site is not interrupted or delayed.
- ❖ Plan labor requirements based on the construction program and provide requirements to the project manager.
- ❖ Prepare regular progress reports and submit to the project manager.
- ❖ Attend scheduled meetings as advised by the project manager with other parties i.e. client, consultant & main contractor.
- ❖ Plan, prepare the document for testing and commissioning and supervise all related commissioning activities.
- ❖ Rectify and complete snags prior to final handover

➤ **Company : DOHA UNIQUE UNIVERSAL LLC, Saudi Arabia (5- years)**

Period: February 2013 – March 2018

Designation : Project Engineer(HVAC, Plumbing & firefighting system) With Saudi Council of Engineers

Major Projects:

1. Student affairs Building (KFUPM @ Dharan) – B+G+5 Store building , plot area:25,000 M².
2. Ashok Leyland work shop for Western Auto company at Dammam Area, plot area:960 M².
3. Pepsico Food Production Plant at Dammam 2nd industrial area.
4. SADARA ,Central Analytical Laboratory –L4101 at Jubail .
5. Extension Of Kanoo Chemical Warehouse at Dammam seaport area.
6. Tenaris Saudi Arabia Ltd automotive supplier plant at Dammam 2nd industrial area.
7. 3M project at Dammam 3rd Industrial area.

Responsibilities:

- ❖ Prepare and maintain the Material Submittal flow sheet.
- ❖ Obtain quotations from suppliers. Evaluate offers and prepare comparative statements.
- ❖ Check and prepare material submittals in conjunction with the project manager.
- ❖ Prepare and maintain the shop drawings flow sheet.
- ❖ Review comments received from the consultant on material submittals and shop drawings. Prepare and organize re-submittals as required.
- ❖ Take-off material quantities from the approved drawings and prepare material requisitions.
- ❖ Ensure that all materials are ordered in time so that the progress on site is not interrupted or delayed.
- ❖ Plan labor requirements based on the construction program and provide requirements to the project manager.
- ❖ Prepare regular progress reports and submit to the project manager.
- ❖ Attend scheduled meetings as advised by the project manager with other parties i.e. client, consultant & main contractor.
- ❖ Plan, prepare the document for testing and commissioning and supervise all related commissioning activities.
- ❖ Rectify and complete snags prior to final handover.
- ❖ Responsible for mentoring, guiding and evaluation foremen and supervisory staff.
- ❖ Responsible for, in co-ordination with the foremen and supervisory, work allocation and execution on a daily basis.
- ❖ Review and monitor monthly labor performance and utilization against the planned targets.

➤ **Company : SP ENTERPRISES, Berhampur – Odisha (1- year)**

Period : December 2011 – February 2013

Designation : Site Engineer

Major Projects: IOCL Paradip

Responsibilities:

- ❖ Work profile is to scheduling the work, tracking the material requirement for the fabrication and co-ordinate with the consultant as well.
- ❖ Take-off material quantities from the approved drawings and prepare material requisitions.
- ❖ Plan & prepare the document for QA/QC and supervise all related activities.
- ❖ Prepare regular progress reports and submit to the project manager.
- ❖ Monitoring and tracking of the tools and tackle used for fabrication work.
- ❖ To organize monthly program for achieving the target.

➤ **Company : ASN Industries Pvt Ltd, Katni –MP (2- year)**

Period: November 2009 – November 2011

Designation: Site Engineer

Major Projects: 7.5 MW coal based power project.

Responsibilities:

- ❖ Site management and handling of work as per drawing .
- ❖ Monitoring progress of work as per schedule.
- ❖ Control of the quality at site as per requirement.
- ❖ Co-ordination with sub-contractor and suppliers department.

Experience summary:

- ❖ 5 years in (HVAC, FIRE FIGHTING SYSTEM & PLUMBING) execution experience.
- ❖ 2 years in power projects execution.
- ❖ 1 year in structural steel fabrication.

Additional Skills:

- ❖ Excellent in using carrier HAP software, Elite Software For Fire Sprinkler.
- ❖ Excellent in MS office.
- ❖ Familiar with MEP REVIT & AutoCAD.

Key skills:

❖ **HVAC:**

Cooling & Heating Load Calculation:

General & E-20 manual calculation, Ventilation and Infiltration Load Calculation, Winter load calculation
Ventilation System Designing, Fresh Air Handling Unit Designing as per ASHRAE 62.1., Restaurant/Residence
kitchen ventilation system designing as per ASHRAE 90.1, Non-Central and Central Toilet Exhaust Calculations as
per ASHRAE 62.1., Car Parking Ventilation system Designing (Impulse & Induction Fan System), Design of Stairwell
Pressurization System, Transformer Room ventilation, Generator Room ventilation requirements.

SOFTWARE DESIGNING:

Cooling and Heating Load calculation using Hourly Analysis Programme (HAP), Calculation of duct sizes by
McQuay Duct sizer, Calculation of Chilled water pipe sizes by McQuay pipe Software, Air terminal selection by using
BETA Programme, VRV Equipment Selection by TOSHIBA Software.

HVAC DRAFTING:

Representation of Concepts Design Drawing, Design Drawing & Shop Drawing, Preparation of Detail Shop Drawing
of Air-Conditioning & Ventilation Ducts, Chilled Water Pipes & Duct Fittings-Elbows, TEE's, & Duct Support,
Representation of Duct Pipe Levels, Slope, flow direction, BOD's, BOP's,

❖ **Plumbing:**

DESIGN CALCULATION:

Domestic Water Tank, Overhead tank Sizing, Cold Water Pipe Sizing in Building as per flow rate and fixture Unit Method(WFU), Booster pump sizing & transfer, Pump Sizing (HP & Watts).

Hot Water System Designing, Estimating Hot Water Demand, Calculating the Capacity of Non-Central & Central Water Heaters, Hot Water Pipe Sizing, Hot Water Circulating Pump Design.

Soil and Waste water drain calculation in building vertical stack, Branch drain / Discharge pipe, horizontal drain, Fixture unit rating, Maximum number of discharge unit allowed in stack, Design of horizontal drains by discharge unit method(DFU), Invert level & Slope calculation, Sump Pit Sizing, Submersible Sump Pump Sizing, Design of Septic tank, Soakaway pits.

Designing of Storm water Drainage system in building, Sizing of Rain Water Gutters.

DRAFTING: Representation of Concepts Design Drawing, Design Drawing & Shop Drawing.

❖ **FIRE FIGHTING SYSTEM:**

DESIGN CALCULATION:

- Fire Fighting Hydraulic Calculation, Head Loss & Pump Head Calculations For High Rise Buildings.
- Elite Software For Fire Sprinkler Hydraulic Calculation.
- Sprinklers – Types, (Wet pipe, Dry pipe, Pre Action, Deluge, Anti Freeze, Combined Dry Pipe and Pre Action System.) Selection , Designing, Pipe Sizing

Qualification:

- **B.Tech in Mechanical Engineering** (2005-2009) from B.V.C.Engineering College, ODALAREVU, Affiliated by JNTU, with 57.6%.
- **Intermediate** from C.D.P.Jr.College, AMALAPURAM, with 73.0%.
- **S.S.C** from KENNEDY CONVENT HIGH SCHOOL, NARANDARAPURAM with 70.0%.

Personal details:

Date of Birth : June 10, 1988
Marital Status : Married
Nationality : Indian
Driving License : India & Saudi Arabia
Languages Known : English, Hindi, Telugu*
Contact details : k.pedapudi, kudupudivaripalem,
ambajipetaMandal, pin-533239,
East Godavari District, A.P, India.

I certify that the information furnished above is true, complete and correct, to the best of my knowledge and belief.

Thanking You
K.nagasrikanth.