

G.LENIN

LEAD PIPING DESIGN ENGINEER

B.E - MECHANICAL ENGINEERING

Mobil : +91 9698150792

Skype ID : gleninstaln

E-mail : glenin04@gmail.com

Highly motivated Senior Design engineer Overall working experience is 12 years, worked as a Piping Design Engineer in reputed Engineering Consultants, EPC, PMC, EPCC and EP Contractors. Performed in Piping Design and Engineering of conceptual, proposal study, FEED, Design and detail Engineering, Procurement & Technical support of construction and commissioning of Oil & Gas, Petrochemicals, Refinery and Power plants piping conversant with Codes and Standards.

KEY SKILLS:

- Lead Piping Engineer/Technical authority and experience in Mechanical and Piping engineering of Feasibility studies, FEED, Design and detailed Engineering, procurement and Technical support for construction, commissioning of EPC, EPCC, PMC projects Oil & Gas Field.
- Experienced in Design and detail engineering for Revamp of Delayed Coker units, Flare gas recovery project (Ground flare& Elevated flare), Natural gas / Fuel gas Pipeline, Seawater, Firewater network. PIG Launcher / Reciver Pipeline projects.
- Attend Design review meeting of P&ID and HSE studies HAZOP & PHSER with client / Inter-disciplines.

AREA OF EXPERTISE:

- Execute Detail Design & Engineering for Equipment, Systems and layouts based on general arrangement drawings completed during the basic engineering phase.
- Evaluate design changes & coordinate with technical teams for timely execution of project
- Checking / Preparation of GAD's, Plot Plans, Piping, Isometrics, sectional views, Elevations and detail drawings. According to Design requirements and Client requirements
- Preparation and checking of Piping Specification based on Client requirements, International standards and Company standard.
- Checking / Preparation of Water wall, Steam drum & Economizer, Super heater and Headers. All other Pressure Parts for boiler drawings with bill of materials (MTO).
- Procurement activities of all piping items including valves, vendor finalization, vendor drawing review and co-ordination with vendor until deliver the valve at site.
- Technical support to Piping team, interdiscipline, vendor's and clients.
- Technical support for Piping construction and commissioning of projects.
- Knowledge in Caser II – Piping Stress analysis.
- Contribution of the ISO & ASME 'U' stamp Internal & External Auditing
- Conducting client / Inter disciplines PDMS Model reviews - 30%, 60% & 90%
- Strong leadership skills, man power planning.

M/s. GULF SPIC General Trading and Contracting Company W.L.L. at Kuwait.

15th MAR 2014 to 14th DEC 2019

Job Title: Piping Design Engineer (KNPC Approved)

Major Projects worked at KNPC & KOC:

Project: CB/CPD/2058 - Engineering, Procurement and construction **Revamp of Delayed Coker Unit – 20**

Client: Kuwait National Petroleum Company (KNPC - MAB) – Kuwait

Project: CA/CPC/2114/MAB – **Installation of Large Volume Manifold** at MAB Refinery

Client: Kuwait National Petroleum Company (KNPC - MAB) – Kuwait

- Project:** CA/CSPD/2005/MAB - Engineering, Procurement and construction of **New 12" HP Natural Gas Pipeline**
Client: Kuwait National Petroleum Company (KNPC - MAB) – Kuwait
- Project:** CA/3945/CNSL/HO/001 - MAA –**Study of Existing Seawater Network** in MAA to Ensure Operational and Mechanical Reliability / FEED
Client: Kuwait National Petroleum Company (KNPC - MAA) – Kuwait
- Project:** CFP/MISC/0055-MAB - Verification of **Replacement of Existing Black Oil Piping To White Oil** Service & Engineering Scope of Work for New IRT Line.
Client: Kuwait National Petroleum Company (KNPC - MAA / MAB / SHUAIBA) – Kuwait
- Project:** CFP/MISC/0057/SHU – Additional **14" MOGAS IRT Pipeline** from MAA to SHUAIBA and additional Inter Connection 12" & 14" Lines at Tankage area (TK-272 & TK-254) in MAA for Post CFP Operation.
Client: Kuwait National Petroleum Company (KNPC - MAA / MAB / SHUAIBA) – Kuwait
- Project:** **Installation of Multipoint Smokeless High Pressure Flare** at 14 South and East Kuwait GC's
Client: Kuwait Oil Company (KOC) – Kuwait
- Project:** Replacement of Damaged spare Flares of **Coanda HP Flare** and Manifold-X **LP flare A/B**
Client: Kuwait Oil Company (KOC) – Kuwait

ROLE AND RESPONSIBILITY:

- Prepared, guided and technical support provided to Piping team, Interdiscipline, construction and commissioning team and checked of technical integrity and approval of piping design engineering deliverables on assigned projects.
- Review of Contract / FEED documents (P&ID's, Data sheets, Plot Plan & GAD's) and client requirements
- Preparation / Review of engineering deliverables based on the scope of project and client requirements
- To coordinate with planning engineers for estimation of Man-hours and Project deliverables
- Review and Preparation of Piping design basis and piping stress analysis design basis
- Review and Preparation of Piping material specification and Pipe wall thickness calculation
- Review and preparation of Pipeline Calculations (Thickness, 5D Bend Radii, Anchor load, Expansion etc.)
- Review and Preparation of MTO's for all valves, piping bulk, Pipe supports and piping special items
- Review and Preparation of Underground piping Coating and wrapping documents
- Preparation and checking of Plot plan, Piping GA drawings, Equipment layout, Nozzle orientation drawing, Isometrics and Pipe support standards etc.
- Prepared the procurement activity of **RFQ**, Technical bid evaluation (**TBE**) and approval for manual valve, piping specialty items and piping bulk and spring support, attended Vendor's technical clarification meeting and prepared of tender committee slid.
- Prepared of tender committee slid and attended Techno-commercial meeting with top management and kick off meeting for all piping items vendor's packages.
- Maintaing/ monitoring of Piping work progress (budget, schedule)
- Prepared of Material requisition (**MR**) and reviewed of vendor's GA drawing and documents, vendor's QA/QC document of painting procedure and inspection and test plan review(**ITP**) and quality plan for manual valves , SP items, Spring supports and piping bulk.
- Technical criticality assessmth with recommendation to site fabrication yard, client and suppliers and interdisciplines.
- As a piping package managerial experience in handling timely delivery of all manual valves, piping bulks, SP items and spring supports from scratch to final delivery of items, in order to meet the delivery schedule maintain quality, technical requirements and safety norms.

- Experienced in Design and detail engineering for KO drum, Steam drum, Heat Exchanger, Pumps, Ground Flare, Elevated flare, piping slope lines, Special type of valve installation based on standard engineering practice.
- Preparation and checking of PIG Launcher / Receiver Piping GA drawings based on SHELL DEP standard and Client requirements.
- Working Knowledge of design using ASME B31.1, ASME B31.3 and ASME B31.8
- Selection of special support requirement (Anchors, Hangers, Spring Loaded and selection of bellows) for expansion loops and rotary equipment based on the stress analysis load (Caesar II).
- Pipe line Routing taking the solution for optimum feasible routing eg. Minimizing fittings and routing, to minimize cost impact to the contractors and optimizing manpower capacity.
- Short term shutdown and Turnaround shutdown jobs successfully completed within the allotted time period.
- Preparation and review of shutdown Tie-in package documents and As-Built drawings
- Review of Data sheets for KO drums, Flare, Heat Exchanger, Pumps, Special type valves and Steam drum
- Familiar with International & Company Standards (**ASME, ASTM, AWWA, API, SHELL DEP, BS, NACE, NFPA, KNPC, KOC, DOW, IBR & MSS-SP**).
- Apply standard engineering techniques, procedures and criteria to make adaptations and modifications in order to solve technical problems that arise **DCN, FCN & WAIVER**.
- Review project engineering progress status against approved schedules, analyse delay, evaluate changes and takes corrective measure if required.
- Project recording and maintaining documents like Lessons learned, Project Feedback and best practices from other projects and experience.

SITE SKILLS:

- Involving and executing various field engineering activities in **KNPC Refineries & KOC SEK different GC's**
- Conducting physical site survey, verification of Tie-in Point, Pipe routing and finalize the feasible location
- Visited at site and provide technical support to construction team and vendor's.
- As a field engineer co-ordinate with design and construction team

SOFTWARE SKILLS

- MS-Office (Word, Microsoft Excel and PowerPoint)
- SAP (System application Program)
- AutoCAD Mechanical
- CAESAR II & STADD Pro
- CADWorx Plant Professional 2010
- Navis Works Review & Primavera P6
- PDMS
- Adobe Acrobat Pro DC , PDFill PDF Tool, Editor and Writer

Role Involvement:

- Worked as senior design engineer in engineering department for FEED & EPC Projects responsibility for Mechanical / Piping engineering deliverables in line with contract specifications and conversant with codes and standards.
- Preparation and checking of General Arrangement drawings, Pressure Parts & Non-Pressure Parts layouts and detailed engineering of equipment arrangements & IBR calculation Preparation.
- Design and detail engineering, procurement, supply, Erection and commissioning support.
- Review of Contract scope of works P&ID, GA drawings, new equipment location and specification
- Preparation and checking of Piping General arrangement drawings, Pressure Parts & Non-Pressure Parts Detailed engineering according to design requirements and customer requirements.
- Preparation and checking of Plot plan, equipment layout and U/G layout, slit trench layouts
- Design and detail engineering for Steam drum, Heat exchanger, Economizer coil, Super heater coil, Water wall panel, Internal & External piping drawings and isometrics with bill of materials.
- Preparation and checking of piping calculation as per IBR & ASME sections.
- Preparation and checking of Piping material specification, Valve specifications, Pipe wall thickness, Pressure drop calculation and specification for mechanical equipment's.
- Monitoring Datasheets for cross discipline functions, checking design and construction parameters, contributing to cost savings by reviewing Datasheets against contractor proposal and suggesting material substitution by design change note (**DCN & FCN**).
- Preparation and checking for Fabrication drawings
- Preparation of Early tie-in packages and Site survey reports
- Review of vendor documents for Piping and instrument items
- Preparation of Technical queries & TBE for vendor documents
- Contribution of the ISO & ASME 'U' stamp Internal & External auditing
- Co-ordinating with marketing department for technical support & proposal activity
- Material Take – off & Preparation of technical queries
- Preparation of Design Document Release for Manufacturing through the ERP system
- Design and detailed engineering for 2 x 80 MW power project ETM –Austria
- Co-ordination with team leader for documentation of the project and Overall co-ordination to the project group.
- Maintaining and Recording Documents like Lessons Learnt & Project Feedback Status

Major Projects Worked:

Project: Petroleum Products Storage Terminal

Client: M/s. Gulf Energy limited, Sharjah, UAE

Project: 2X80 MW water Tube Boiler

Client: M/s. ETM INDUSTRIEANLAGEN GMBH. VENNA, AUSTRIA

Project: 2x150 MW, for Nagai Thermal Power project
Client: M/s. Ansaldo Caldaie Boilers India Pvt Ltd, INDIA

Project: Platen super heater & Final Super heaters.
Client: M/s. TATA Power Company Pvt. Ltd – Jamshedpur, INDIA

Project: 1X36 TPH Deaerator ('U' STAMP)
Client: M/s. Simon carves Ltd, UK.

M/s. BHELIA DESIGN CLUSTER, Tamil Nadu, India.

10th JULY-2008 to 04th JAN-2010

Position : Piping Design Engineer (BHEL contract)

Project worked in M/s. Bharat Heavy Electricals Limited (BHEL)

Project: 1 x 135 TPH, Single Drum and Water Tube Compact CFBC

Client: M/s. Ambuja cement eastern limited

Project: 1 x 200 TPH, Single Drum, Water Tube Compact CFBC

Client: M/s. Nirma limited

ACADEMIC QUALIFICATIONS : B.E - Bachelor of Mechanical Engineering

College : Trichy Engineering College, Tamilnadu- India,

University : Anna University, Chennai,

Project Details : Weldability Analysis of SA213 T23 Material for super heater coils in BHEL, Trichirappali-14.

Mater Degree : M.B.A – Operations, Bharathidasan University, Trichy.

PERSONAL DETAISLS

Name : G.LENIN

Father's Name : A.GOPALSAMY

Sex : Male

D.O.B : 15.11.1986

Nationality : Indian

Language Known : English, Tamil

Indian Passport No. : U6851165

Issued date : 14.01.2020

Expiry date : 13.01.2030

Permanent address : 2/44-C East Street, Kumarakudi, Mathavaperumalkovil - PNJ,
Nochiyam - PO, Trichy-DT, Tamil Nadu, India -621216.

DECLARATION

I hereby declare that the above information's are true and correct to the best of my knowledge and belief. If I am given a change to serve in your Organization, I shall assure you Sir, I shall discharge my duties to the fullest satisfaction and best of my knowledge of my Superiors.

Place: Trichy

Yours faithfully

Date: 18.01.2021

(LENIN G)

REFERENCE

| | |
|---|--|
| 1. Mr Krishnan Engineering Director Contact: +965 22287070 Ext. 3501 | M/s. GULF SPIC General Trading & Contracting Company Kuwait. |
| 2. Mr N.Rajendrakannan Mechanical HOD - Engineering Contact: +965 22287070 Ext. 3502 | M/s. GULF SPIC General Trading & Contracting Company Kuwait. |
| 3. Mr S.Kanthimathinathan General Manager - Engineering Contact: 9345111990 | M/s. GB Engineering Enterprises Pvt.ltd., Trichy-India. |
| 4. Mr R. Nagendrakumar DGM - Engineering Contact: 9629361124 | M/s. GB Engineering Enterprises Pvt.ltd., Trichy-India. |

شركة البترول الوطنية الكويتية

إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

KNPC



Letter No.: MAB-MNZ2-19-800

Date : 11th December, 2019

APPRECIATION LETTER

We hereby thank **Mr. G.LENIN - Sr. Mechanical / Piping Design Engineer** from M/s. GULF SPIC General Trading & Contracting Company for his extraordinary efforts and support during the Design & Engineering Services of our project "Large Volume Discharge Manifolds for Fire Water Lines at MAB Refinery" in KNPC.

We hope that this Appreciation letter motivates him to keep up the momentum of his excellent work.

Best Regards.

Original Signed By
Ahmad M. Al-Ali
T.L. Mech. Maint. Z-II

Ahmad M. Al-Ali
Team Leader, Mech. Maint. Z-II
Mina Abdulla Refinery



**KUWAIT NATIONAL PETROLEUM COMPANY
PROJECTS DEPARTMENT**

P.O Box 69, Safat 13001, Kuwait Tel (965) 23884230, Fax no. (965) 23884630

Facsimile Transmission Cover Sheet

Date: 28 SEP 2016

Ref. No.: KNPC/KCCEC/WO130/ F-16-029

From: A/Team Leader - Projects Coordination (Gr.VI) - PD II

| To | Company | Attention | Fax No. |
|----|---|---|-----------------------|
| | M/s. KCC Engineering & Contracting Company. | Mr. Mohammed Zulfikar Khan Project Manager | 22254300/ 22254332 |

**CB/CSPD/2005- 4th STANDBY CONTRACT FOR PROJECT SERVICES FOR
PROJECTS DEPARTMENT
WO# CB/CSPD/2005/W-130/MAB- EPC WORK FOR 12" HP NATURAL GAS
PIPELINE INSIDE MAB REFINERY**

| |
|--|
| Response Required |
| Yes <input checked="" type="checkbox"/> No |

Request for Lead Piping Engineer Approval

(1) Number of pages to follow the cover sheet

Nawaf Al-Osaimi

| SPECIAL INSTRUCTIONS OR COMMENTS |
|---|
| Please see Attachment |
| IF COPY IS ILLEGIBLE OR INCOMPLETE PLEASE SEND MESSAGE BACK TO FAX No. : 23884630 |
| <u>CONFIDENTIALITY STATEMENT</u> This facsimile contains private or other sensitive information and is intended solely for the recipient named above. If you are not the intended recipient, you should hold this message in confidence and be aware that any disclosure, copying, distribution or use of this information is prohibited. (1) Do not use this information or disclose to others. (2) Please notify the sender by telephone. (3) Please return this message via fax, to the sender named above. We appreciate your co-operation with this request. |

AAD/RR/AYK
cc: File

Zulfikar
Kannan
Faruq
Ibrahim Sallam
Haider.

M/S GULF SPIC

Attachment-1 for fax No.: KNPC/KCCEC/WO130/ F-16-029

Request for Lead Piping Engineer Approval

With reference to the above subject and your letter # KCC/KNPC/CB-CSPD-2005/W-130/L-029 dated 25/08/2016, the submitted CV was reviewed and please find the status below:

| SLNo | Name | Designation | Remarks |
|------|---------|----------------------|----------|
| 1 | LENIN.G | Lead Piping Engineer | Approved |

Regards

