




KAMAL RAM

PERSONAL DETAILS

 Ahmadi, Kuwait
 +965 60955645
 kamal.mech.engg@gmail.com

SKILLS

- Design of Fire Fighting System
- Design of Plumbing System
- Execution & Supervision
- Hydraulic Calculations in HASS & Elite software
- Seismic Brace Design
- Plumbing Calculations
- Proficient in AutoCAD
- Cost Estimation & Tendering
- Technical Drawings
- Material Take-Off
- Knowledge of NFPA 13, UFC, UPC, NSPC, KFD Codes

EDUCATION

Bachelor of Technology (B.Tech) in Mechanical Engineering
Regional Engineering College (REC/NIT), Hamirpur, India
Graduated: May 2002
First Division.

CERTIFICATES

- Member of Kuwait Society of Engineers (KSE) Association
- Kuwait Fire Brigade License (KFD Card).

LANGUAGES

English – Fluent
Hindi – Native / Fluent

WEBSITE

<https://www.kamal-mech-engr.com>

Dynamic Senior Plumbing and Fire Fighting Design & Project Engineer with over 21 years of extensive experience in designing and managing complex plumbing and fire protection systems. Proven expertise in hydraulic calculations, project engineering, and compliance with international standards such as UFC and NFPA 13. Spearheaded significant projects, including fire fighting systems for the US Army and Navy, enhancing operational efficiency and safety across diverse initiatives. Ready to leverage comprehensive skills and experience to contribute significantly to future projects and meet the strategic objectives of any engineering firm. Member of Kuwait Society of Engineers (KSE) Association and hold Kuwait Fire Brigade License (KFD Card).

EXPERIENCE

Nov 2019 – Current

Sr. Design Engineer – Plumbing and Fire Fighting

NBTC – Naser Baddah Trading & Contracting Co., Sulaibiyah, Kuwait.

Spearheaded full-cycle design of fire protection and plumbing systems for high-value projects, including US Army hangars, APS-500 Warehouses (Camp Arifjan), and the F-18 Super Hornet project at Al Jaber Air Base.

Handled tendering and estimation for plumbing and firefighting systems for both the F-18 Super Hornet project and the KOC project: Construction of 72MW, 11KV Main Intake Substation at Sabriya Area.

Successfully led the design of the 35th Brigade multifunctional warehouses during tender stage, 2.5× larger than the Camp Arifjan scope, in full compliance with UFC and NFPA 13 standards.

Delivered hydraulic calculations using HASS and Elite software, optimized pipe sizing, and introduced seismic bracing design, resulting in cost savings of KD 63,000 in steel pipe layout and planning.

Played a key role in securing and executing the Jaber Air Base project with design support for the US Air Force, which yielded significant variation orders and profitability.

Supervised fire protection and Plumbing works for a 72MW, 11kV main intake substation at Sabriya KOC Project.

Led coordination with KFD for timely approvals and ensured full compliance with authority standards across all firefighting systems.

Oct 2013 – Oct 2019

Project Engineer – Plumbing and Fire Fighting

Gulf Engineering Company, Al-Rai, Kuwait.

Delivered comprehensive execution of plumbing and firefighting systems across multiple high-profile projects, ensuring seamless project delivery from planning to commissioning.

Reviewed contract documents, BOQs, specifications, and design drawings to verify technical accuracy and compliance with project requirements.

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PERSONAL INFORMATION

Date of Birth: 01 Dec, 1978

Nationality : Indian

Marital Status: Married

DRIVING LICENSES

Kuwait Driving License No:
278120109496 valid till 31/08/2025

Indian Driving License No:
CH01 20020029673 valid till
31/08/2025

HOBBIES AND INTERESTS

- Reading newspapers
- Travelling

PROJECT HIGHLIGHTS

At NBTC,

- Construction of 72MW, 11KV Main Intake Substation at Sabriya, North Kuwait.
- Kuwait F-18 Superhornet, Al Jaber Air Base, US Air Force and Navy
- APS 500 Warehouses in Camp Arifjan (US Army)
- QCS Office Building at Al-Zour Refinery (KIPIC)
- NBTC Head office Fire Fighting Design and Execution
- NBTC duct workshop, Bar Bending and Steel Trading Yard
- 35th Brigade Multifunctional Warehouse Fire Fighting Design during tender
- JPF 4 and 5 (Jurassic Production Facility) Fire Fighting Design as per KOC Specifications.

Performed material take-offs, obtained competitive vendor quotations, and supported cost-effective procurement decisions.

Developed detailed price comparison sheets for internal evaluation and approval by the head office.

Prepared material submittals and ensured timely approvals from consultants through meticulous documentation.

Created accurate shop drawings and secured consultant approvals for site execution.

Led the successful execution of the Fawsec Campus at Sabah Al-Salem (Apr 2016 – Oct 2019), overseeing all MEP works.

Contributed significantly to the C4i/Main Support Building – KNPC Project at Ahmadi in two phases: Oct 2013 – Jul 2014 and Feb 2017 – Sep 2019.

Facilitated testing, commissioning, and preparation of As-Built drawings for projects in Egailla and Ahmadi NHC, ensuring alignment with project specifications.

Supervised the establishment of GEC's New Workshop in Ahmadi, optimizing layout, resource allocation, and operational flow.

Nov 2009 – July 2013

Project Engineer – Plumbing and Fire Fighting

Contracting and Construction Enterprises (CCE), Riyadh, KSA

Executed plumbing and firefighting works with a strong focus on quality and safety.

Performed comprehensive material take-offs and meticulously prepared Bills of Quantities (BOQs) to support procurement and cost control.

Designed accurate shop drawings using AutoCAD, ensuring alignment with technical specifications and project coordination requirements.

Oversaw site operations for the Five-Star Hotel and Convention Center (ITCC Project), ensuring project execution met client and consultant standards.

Reviewed project specifications, IFC drawings, and site conditions, proactively identifying and resolving potential design conflicts or clashes.

Coordinated and submitted material submittals, securing timely approvals in accordance with project standards and authority regulations.

Raised and resolved technical queries (TQs) to clarify discrepancies in drawings and maintain uninterrupted site progress.

Prepared precise builder works drawings (MEP openings) for coordination with civil and structural works.

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PROJECT HIGHLIGHTS (Cont...)

At Gulf Engineering Company,

- Fawsec Campus Educational Society Building at Sabah Al-Salem
- C4i / Main Support Building in Ahmadi, KNPC
- Egailla and Ahmadi NHC (Testing and Commissioning only)
- Gulf Engineering Company New Workshop Building in Ahmadi

At Contracting and Construction Enterprises (CCE), Riyadh, KSA

Five Star Hotel and Convention Center (ITCC).

This project calls for construction of Five Star Hotel and Convention Centre. The hotel will include 230 rooms and 40 suits. The package includes construction of 3 basements (for parking), ground & mezzanine floor and 5 storey hotel rooms & suites. Basement to Ground Floor Area=36,000 m²& 1st Floor to 5th Floor Area = 2,664 m².
Project Value: 150 Million US\$.

The building is protected by a combined wet sprinkler and standpipe system. In addition, clean agent automatic flooded type fire suppression system is used for server rooms, electrical rooms, communication rooms, etc. Portable fire extinguishers are distributed in corridors and designated areas.

At Amin Construction Pvt Ltd, Maldives

- Fourteen Story Velaanage Office Building, Male
- Five Storey Basic Blocks Hulmale – Block 1 (Residential Building)

Oct 2005 – Aug 2009

Mechanical Engineer

Amin Construction Pvt. Ltd, Male, Maldives

Developed detailed plumbing and firefighting shop drawings in AutoCAD and secured final consultant approvals, ensuring compliance with technical specifications and project standards.

Produced accurate as-built drawings for plumbing, firefighting, and electrical systems, facilitating smooth handover and future maintenance.

Conducted thorough material take-offs, enabling efficient planning, procurement, and cost control.

Oversaw construction of the 14-story Velaanage Government Office Building, ensuring project milestones were met within timeline and budget.

Reviewed contract documents, designs, and IFC drawings to identify discrepancies and ensure industry-standard compliance.

Compiled and submitted a complete and well-organized set of documentation for final authority approvals and handover.

Aug 2002 – Sep 2005

Mechanical CAD Engineer

Smart Conveyor Design Solution Pvt. Ltd., Mohali, India.

Smart Conveyor Design Solutions Pvt Ltd (Aerowerks Inc, Canada) – Specializes in the design and manufacturing of customized material handling system for dish room & food service industry. To meet growing business needs, Aerowerks opened an office in Chandigarh.

Successfully supported business development efforts, helping Aerowerks establish a fully functional design and customer service office in India to support Canadian operations.

Reviewed and checked presentation drawings in AutoCAD, ensuring accuracy and quality before submission to the Toronto head office.

Created, reviewed, and validated fabrication and production drawings in AutoCAD and SolidEDGE, providing final deliverables for the Canadian manufacturing team.

Maintained daily coordination with Canadian project teams, ensuring real-time communication and alignment on design expectations.

Trained and mentored a team of graduate engineers, enhancing their technical capabilities and ensuring consistent quality in design outputs.

