

GANESAMOORTHY KRISHNAMOORTHY
Fire Protection Design & Inspection Engineer.
VIRUGAMBAKKAM, CHENNAI – 600 092, INDIA,
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Objective:

- To be associated with a progressive organization that gives me scope to update my knowledge and skills in accordance with latest trends and be part of the team and dynamically work towards the growth of the organization & myself and gain satisfaction thereof.

Qualification:

Course	University	Marks Obtained
B.E (Mechanical Engineering)	Periyar Maniammai University, Thanjavur, Tamil Nadu, India	First Class
Diploma (Mechanical Engineering)	DOTTE, Tamil Nadu, India	First Class

Professional Experience:

SI. NO	COMPANY NAME	EXPERIENCE	DESIGNATION
1	M/S. INTERNATIONAL FIRE ENGINEERING CONSULTANTS	July 2020 up to Till date	Design Engineer
2	M/S. PROFIRE SAFETY CONSULTANTS ABU DHABI	April 2018 to Jun 2020	Fire Fighting Inspection Engineer
3	M/S. ADDHIA TRADING & CONTRACTING Co. LLC OMAN	Aug. 2016 to Mar. 2018	Design & Estimation Engineer
4	M/S. NAFFCO QATAR	April 2013 to Jul. 2016	Design Engineer
5	M/S. THERMAX INDIA PVT.LTD	Dec. 2007 to Mar. 2013	Designer
6	M/S. VISION & DESIGN INDIA PVT.LTD	Sep. 2005 to Nov. 2007	Draftsman

Job Responsibilities:

- Preparing accurate and rich design drawings & documents in compliance with codes, standards and project specification.
- Preparing accurate oil and gas Fire Protection design drawings compliance with codes, standards and project specification. below some of references foam system (A) high expansion foam generator for oil tank protection (B) foam maker for bound protection (C) foam chambers for tanks protection (D) foam monitor for heliport protection (E) foam sprinkler for generator room protection.
- Inspection & Witnessing of Fire and Life Safety systems installation as per Abu Dhabi Civil Defense requirements/NFPA/IBC/IFC standards
- Attending Mechanical Completion Inspection for Fire and Life Safety System.
- Attending & Witnessing Testing & Commissioning of life and safety System.
- Attending & Witnessing Cause & Effect of Fire and life safety system with client to confirming the system working as per project requirement.
- Reviewing the documents, approvals related to Active and Passive fire protection systems which are installed in the facilities.
- Identifying the non-compliant code items during the inspection and detailing the concepts to client / contractors in aspects of codes and standards.
- Preparation of Inspection Finding Report for the inspected facilities and conducting the re-inspection after attaining the compliance reports from the clients.

- Suggesting the client's design team for alternative fire engineered solution in order to achieve the desired fire and life safety requirements of Abu Dhabi Civil Defence.
- Providing the most comprehensive, feasible and economical system design within stipulated time.
- Converting rough sketches/ data provided by project engineers & technicians into working drawings by digitizing using CAD.
- Design review of all fire protection systems.
- Preparation of theoretical fire water demand & head calculation in order to selection of fire pumps capacity & type. And also, preparation software based hydraulic calculation.
- Preparation of detailed BOM's for equipment, pipes, fittings & Inline items, supports from piping layout, Isometric drawings and P&I Diagram.
- Submission of As Built drawings.
- Contributing for design modifications, in-order to improve the quality & function of the system.
- Providing factual design through research, information gathering & analysis skills.
- Complete validation of design input data's and follows-up of RFI & maintaining the data.
- Responsible for daily design document preparation and delivery.
- Keeping strong team relationships by working closely with the Project Management during the design document/ drawings preparation phase of the project.
- Integration & detailed understanding of multiple key factors affects the system design.
- Estimation of Fire-fighting systems.
- Supporting the sales manager with any task or objective assigned accordingly by him.
- Reviewing & validating the received documents including specifications, drawings, etc., and collecting the necessary information & documents from client/ consultant to complete the estimation.
- Co-ordinating with other departments in the process of producing commercial proposals.
- Providing the value engineering solution in-line with International & AHJ requirements.
- Evaluating supplier Quotations, Quote comparatives and attending meetings with supplier for quality & price negotiations.
- Preparation of Cost estimation, Specification Compliance, Pre-sales Shop Drawings, Flow Calculations in-lined with technical specifications with minimum AHJ requirements & internal company policies.
- Developing relationships with suppliers / sub-contractors to obtain the latest market information.
- Attending client's technical meeting & providing technical clarification on proposal.
- pressure parts in boiler

Major Projects:

Please find below some of references for the projects where Design, Estimation & Inspection was done in Qatar, Oman & UAE,

S.NO.	Project	Client / Contractor
1	Abu Dhabi International Airport	Abu Dhabi Airport Company
2	Royal Oman police general hospital Muscat Oman	Galfar Engineering & contracting SAOG
3	Convention Center – Oman (package -3)	Drake & Scull international Oman
4	Al Araiimi Boulevard mall - Oman	Unique contracting CO. LLC
5	New Doha international airport	Ndia
6	Porto Arabia parcel 13a & 13b @ pearl Qatar	Megatec electro-mechanical engineers & contractors
7	Renault workshop at industrial area for al attiyah motors and trading	Takyeef electromechanical
8	Barwa city amenities zone	Emeq
9	Male & female accommodation	Conspel Qatar
10	HMC Operation Theaters Building Expansion Project - Service block	Midmac Contracting Co. W.I.I

11	Salwa Resort Hotel	Al bader group companies
12	Qatar primary routes dukhan highway	Ashghal
13	Rabban Suites (3B+G+M+50F) Hotel Apartments	Construction & reconstruction co.
14	Posed Addition Of Lubrication Oil Storage Tanks	Qatar lubricants company Qatar
15	Construction And Upgrading Of Infrastructure Of Al Muntazah Street Extension	Al Jaber & partners
16	Al Udeid Air Force Base Qatar	American base
17	The 32Industrial Facility for Qatar Development Bank @ Medium Industrial	Inshaa
18	The Base Project	Private engineering office
19	Ministry of interior headquarters	Trans Gulf
20	Piazza fox hills phase	Draieh cont.
21	Early package works al wakra stadium precinct	Amana qatar
22	Doha bank main branch	Three stars

Software Skills:

MS-Office Packages, FM-200 Flow calculation, HASS Hydraulic Calculation AUTOCAD 2002, 2004 & 2016.

Technical Skills:

System	Description
Foam/water based fire protection system	Wet sprinkler system, Deluge system, Pre-action system, fixed/floating roof fuel tank foam system, fuel tank cooling system, dike area foam monitor system & fire hydrant system. (Hydraulic calculation for all the above systems)
Gas based fire protection system	Total flooding system (FM-200) (Flow calculation for above systems)
Fire alarm & detection system	Conventional & addressable fire alarm system including networking. (for all the above systems)

Standard conversant with:**National Fire Protection Association (NFPA) in particular**

- NFPA 10 - Standard for portable fire extinguishers.
- NFPA 11 - Standard for low-, medium-, high-expansion foam system.
- NFPA 13 - Standard for Installation of Sprinkler system.
- NFPA 14 - Standard for the Installation of Standpipe and Hose Systems
- NFPA 15 - Standard for Water Spray Fixed Systems.
- NFPA 16 - Standard for Installation of foam water sprinkler & Foam water spray System.
- NFPA 20 - Standard for fire pump room.

- NFPA 22 - Standard for Water Tanks for Private Fire Protection.
- NFPA 24 - Standard for the Installation of Private Fire Service Mains and Their Appurtenances
- NFPA 72 - National Fire Alarm Code.
- NFPA 409 - Standard on Aircraft Hangers.
- NFPA 750 – Standard on Water Mist Fire Protection System.
- NFPA 418- Standard for heliports.
- NFPA 2001- Standard for Clean Agent Fire Extinguishing Systems.

Products knowledge during the period:

Fire Alarm System : Shield UK, ESSER BY HONEYWELL Germany
Firefighting system : SHIELD/NAFFCO/TYCO/GST
Gas flooding system : FIKE UL/FM Fire system - USA
Kitchen hood system : BUCK EYE - USA

Personal Profile:

Father's Name : N. Krishnamoorthy.
DOB : 15th Apr. 1985.
Marital status : Married
Sex : Male
Nationality : Indian
Languages : English, Tamil
Passport Number : N9953313
Permanent Address : 24, North. Street,
Lalgudi (T.k)
Trichy (Dist) – 612721.
Tamil Nadu - India.

Declaration:

I hereby declare that the information given above is true and correct to the best of my knowledge.

Place: India,

Date: **27/10/2021**

Yours Truly

(Ganesamoorthy.K)