 **MURUGAVEL**

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**Position Applied: Design Engineer Steel Structural**

**Career Summary**

Experienced and dedicated professional with over 15 years of experience in varies area of technical, designs field and drafting. Highly efficient and hardworking with a comprehensive understanding of design process and also manufacturing and construction methods. Good team spirit, dead line oriented and having the ability to produce detailed technical specifications from client requirements.

**Work Experience**

**DANWAY LLC – U.A.E**

**Design Engineer in Mechanical & Steel Structural**

**(Jan 2013 – Nov 2017)**

* Design of steel structures for varies requirements.
* Design of Tensile structures and their accessories for varies applications.
* Design of Weigh Bridge Plat form systems.
* Design of BMU Trolley Machines and Elements.
* Preparing steel connection design calculations as per codes.
* Preparing Estimation for all the steel structures and their accessories.
* Providing technical and cost details to Estimation and sales departments.
* Handling Drafting teams.

**AL HUSAM GENERAL CONT. LLC – U.A.E**

**Structural Design Engineer (June 2010 – Oct 2012)**

* Designed Walkway steel structures for Extension of Senior and modification of junior accommodation at Mubarraz Island (client: ADOC).
* Worked field installation of additional separator and replacement heater at Mubarraz island (client: ADOC).
* Designed steel support structures of District Cooling Plant Expansion in Abu Dhabi (client: Tabreed).
* Designed electrical substation structures, trenches, pipe support etc… for downstream pipeline facilities Taweelah to Fujairah Gas pipe line (client: Stroytransgaz).
* Designed equipment support structures and monorail systems for Emal Central Maintenance building in Abu Dhabi (client: Sorima Engineering).
* Designed walkway systems and handrails for different applications.

**Key Skills**

**AREAS OF EXPERTISE IN DESIGN**

* Steel Structures • Special Machines
* Tensile Structures • BMU Machines
* Car Park Shades • Jigs & Fixtures
* Davit & Monorail • Press Tools
* Swimming Pool Shades • Tank Detailing
* Equipment Structures • Ducts Detailing
* Weigh Bridges Platforms • Chute Detailing
* Pergolas • Gates

**KNOWEDGE IN OTHER FIELDS**

* Estimation • Fabrication
* Manufacturing Process • Installation

**SOFTWARE EXPERTISE**

* Auto Cad • Tekla Structures
* Staad Pro • Prokon Structures
* Tedds • Rstab
* Craneway • Autodesk Inventor
* Easy.Form • Easy.Stat
* Easy.Cut • Easy. Beam
* PDMS • Excel spread sheets
* Windows office • Limcon

**CODE PRACTICE**

* IS800:2007 • BS5950
* ASCE 7 – 05 • EN1808
* API650 • BS 8118
* FEA

**TECHNICAL**

* Extensive experience in the construction of projects related steel works.
* In-depth knowledge of steel structural works in different applications and their accessories.
* Worked in ware house building, work shop building, aircraft hangar, walkway platforms, electrical substation rooms, trench, supporting structures, ladder, handrail, roof panel etc...
* Demonstrated ability to build long-term client relationship and determine cost effective solution in design, manufacturing process and regulatory issues.
* Creating jigs and fixtures to increase production and manufacturing quantity and qualities.
* Experienced in manufacturing process and production.
* Ability to interpret a variety of instructions and handle multi projects.
* Ability to conceptually interpret and guide the department program design and development.

**KHATT STEEL ENGINEERING LLC – U.A.E**

**Fabrication Design Engineer (June 2008 – Oct 2009)**

* Prepared Connection design for HTM building, Green anode building, Green cathode building, Conveyers 001,002,006,007 and tank, silo support structures.
* Prepared detailed drawings for above those steel buildings, ladders, gratings, handrails etc.
* Prepared Estimation for above those buildings.

**TEAM AUTOTECH INDIA PVT LTD – INDIA**

**Designer (Nov 2006 – May 2008)**

* Designed equipment supporting structures and prepared production drawings.
* Designed special purpose machines for varies components according client requirements.
* Designed all types assembly machines for varies components.
* Prepared estimation for raw material and machining components.
* Prepared bill of materials for shop requirements.

**LIRA TOOLING PVT LTD – INDIA**

**Designer (Dec 2003 – Oct 2006)**

* Prepared welding fixtures and gauges for automotive seating systems.
* Prepared pneumatic and hydraulic operated welding and assembly fixtures.
* Prepared process drawings for production.
* Prepared bill of materials.

**INTEGRATED ENGINEERING & EXPORT PVT LTD – INDIA**

**Technical Asst. – Design Dept. (Jan 2002 – Nov 2003)**

* Designed and prepared detail drawing for all types of press tools.
* Designed and prepared detail drawing for all types welding and assembly fixtures.
* Prepared detailed drawings for varies types of special purpose machines.

**ASHOK LEYLAND – INDIA**

**Training in Engineering Dept. (Jan 2001 – Dec 2001)**

* Prepared bill of materials and drafting works.
* Maintaining all design documents.
* Attending client meeting and solving all technical issues.
* Discussed with different client and consultant related design calculations.
* Coordinating to site works and supplier.

**ESTIMATION WORKS**

* Wealth experience in estimation for all types steel works and process.
* Gathering details and compiling data to estimate all production costs according to client specifications.
* Considering points in estimations labours, equipment, tool, transportations and other accessories.
* Prepared estimation for all types of light weight structures, tensile structures, car park shades, tents and swimming pool shades.
* Prepared estimation for different types pergola systems.

**Technical Qualification**

* Bachelor Degree in Mechanical
* Design of Steel Structures IS800:2007

**Project Proof**

* If required Identity card can be provided.

**Personal Details**

* Nationality: Indian
* Languages known: English, Tamil and Malayalam
* Visa Status: Expired
* Driving Licence: Valid U.A.E licence

**Yours faithfully**

**(Murugavel)**