

15+ Years of Experience in Design

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Career Objective:

Seeking a challenging position with ample opportunity for professional development. An ideal position would be one that draws on a wide range of skills working in various different technical areas. Opportunities for further learning would be highly valued.

Professional Summary:

- A Mechanical Engineer with 12+ years of extensive experience in Design.
- 15 + years of Experience in Cement and chemical industries design.
- 2 years of Experience in lighting industry
- Good Hand on Experience in Cement Plant Design material handling equipment design.
- 3+ years of intensive experience with AutoCAD and Solid works.
- Good Experience in building parametric models in Solid works.
- Conversant with Solid works and AutoCAD.
- Proven ability to work in union with multiple disciplines.
- Flexible, easily adjustable to any work environment.
- Organized, highly motivated and detail-directed problem solver.
- Knowledge in Lean, Kaizen, 5S, root cause analysis etc..

Educational Qualification:

- Bachelor of Engineering in mechanical engineering (Part Time) with 72% from Anna University - Madras Institute Technology campus , Chennai , Tamil Nadu India.
- Diploma in Mechanical Engineering, with 88% passed out in 2001 [V Ramakrishna Polytechnic, Thiruvottiour, Chennai, Tamil Nadu]

Professional Experience:

FLSMIDTH PRIVATE LIMITED, Chennai.

July' 2004 to present

Designation: Deputy Manager – Cement project engineering.

Company Profile: *The company is based on Denmark and involving the designing, manufacturing, erecting and commissioning of equipment and services to the global cement and minerals industries. The company supplies everything from single machinery to complete cement plants and minerals processing facilities including services before, during and after the construction.*

Major Projects Involved (India):

- M/s Binani Cements limited, Rajasthan, India
- M/s Natal Portland cement, South Africa
- M/s Star cements co LLC, Dubai

- M/s Ultratech cement limited, Jafrabad, India
- M/s Chettinad cement corporation, Tamil Nadu, India
- M/s Chettinad cement corporation, Kallur, India
- M/s ACC Chanda cement works, India
- M/s Heidelberg cement India Limited, Damoh, India
- M/s Sarbottam cement private limited, Nepal
- M/s Orient cement limited, Devapur, India
- M/s Oman cement company LLC, Oman
- M/s JK cements, Mangrol / Nimbahera
- M/s Dalmia (Bharat) cement Limited, Rajgangpur
- M/s Dalmia (Bharat) cement Limited, Midnapur
- M/s Dalmia (Bharat) cement Limited, Rajgangpur

Working Profile:

For FLSmidth designed material Handling Equipment

- Planning, allocating, monitoring and executing the plant design activities.
- Study of Process Description, Process Flow Diagram, P&Id and Engineering documents.
- Review of Inputs received from Process and Structural departments.
- New product developments
 - Rotary airlocks for alternative fuel handling
 - Hydraulic operated slide gates
- Preparation of 3D Model and 2D drawings of Equipments, in solid works.
- Preparation of equipment general arrangement drawings for conveyors and feeders.
- Reviewing the contract / customer requirements and update the designs.
- Maintaining of Database management system for the equipments.
- Preparation of requisition for manufacturing and erection.
- Monitoring the project status.
- Coordinating with head office (Denmark) for design issues / updations.
- Root cause analysis for various site issues
 - Fish born diagram
 - Why why analysis
- Vendor developments

The Major equipment list - FLSmidth design

- Stacker & Reclaimers
- Screw conveyors
- Chain conveyors
- Belt conveyors
- Belt weigh feeders

- Air slides
- Pneumatic conveying equipments (FK pump, Pfister DRW system)
- Blending silos

For vendor designed material Handling Equipment

- Planning, allocating, monitoring and executing the plant design activities.
- Study of Process Description, Process Flow Diagram, P&Id and Engineering documents.
- Review of Inputs received from Process and Structural departments.
- Reviewing the contract / customer requirements.
- Preparation of equipment specification for material handling equipment.
- Preparation of requisition for manufacturing and erection.
- Reviewing the OEM's offers and cross check the technical parameters
- Responsible for Checking and validation of detail design drawings and documents.
- Monitoring the project status.
- Coordinating with head office (Denmark) for design issues / updations.
- Maintaining of Database management system for the equipments.
- Assist Discipline Manager for the continuous improvement and deployment of working procedures, best practices and projects feedback.
- Coordinate, interfaces with other disciplines, vendors and customers
- Handling new process equipment
 - Water treatment plant (Filtration & Softener plant)
 - Heating Ventilation Air Condition system (HVAC)
 - Dust suppression system – Cod fog / Dry fog / High pressure Mist / plain

The Major equipment list – OEM's design

- Bucket elevators (Aumund / Beumer / Mahindra / Rexnord / Kowey)
- Screw conveyors (Hyquip / Turbovent / TPI (USA))
- Chain conveyors (Redler / Mahindra / Demech / Rud)
- Belt conveyors (Masyc / Cobit / Rollwell / DomacIs)
- Weigh feeders (Transweigh / Schenck)
- Bulk loading system (DCL / Ricelake)
- Weigh bridge (Rice lake / Avery / Schenck / Sartorius)
- Coal feeding system (Schenck / Pfister)
- Apron feeder (Tengl / Schenck / Transweigh)

Venture Lighting India Limited, Chennai.

Dec' 2002-Jul' 2004

Designation: Senior Draftsman.

Company Profile: The Company is designing and manufacturing of metal halide lamps and its power blasters

Working Profile:

- Preparation of lamp and its fixture GA drawings (based on input received from USA).
- Preparation of Pressure parts assembly drawings and detail drawings.
- Maintaining the ISO related documents.
- Conducting management review meeting and minute the actions plans.

Saint Gobain Glass India Limited, Tamilnadu.

Sep' 2001-Dec' 2002

Designation: Apprentice training .

Company Profile: The Company is designing and manufacturing of floating glass

Working Profile:

- In charge of float glass production
- Preventive maintenance of equipments
- Preparing the production summery

Training:

- Trained at FLSmidth Denmark (3 weeks) and USA (6 months) in order execution

CAD Skills:

- Solid works
- AutoCAD
- Mechanical Desktop
- ProE

IT Skills

- Well versed with MS Office (Excel, Power Point and Word)
- Windows 98/2000/Xp/10

Personal Profile

Nationality	: Indian
Date of Birth	: 07-07-1983
Languages known	: English and Tamil
Marital status	: Married
Permanent address	: S/O T.Aiyappan, Plot No.: 28 / 29 (west), MS Subhulakshmi nagar, Manimangalam, Tamil Nadu – 601301.
Passport No	: N0804433

Declaration:

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

Date:

Place:

A.Ganapathy