

# ANAND P

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## DESIGN ENGINEER / PROPOSAL ENGINEER

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### PROFILE AND STRENGTHS

**Backed by strong academic credentials:** BE-Mechanical (*Bachelor in Mechanical Engineering*); **targeting assignments in Mechanical Engineering ( Design Engineer, Engineering, Project Proposal/Layout); Currently working with ISGEC Heavy engineering ltd, Noida as a Cement & Minerals - Proposal Engineer.**

- Competent, diligent & qualified Engineering Layout/Proposal Engineer, with experience of over 10 years, with the effective use of tools like AUTO CAD/Solid works/Navis works/Lumion(Animation) software.
  - Worked extensively in Cement plant Engineering/Proposal Projects. Involved in various cement plant green field ,brown field Proposal (Domestic and global proposals) etc.
  - Good Communicator with exceptional talent for problem solving and ability to handle multiple functions and activities in high pressure environments with tight deadlines
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### PROFESSIONAL EXPERIENCE

#### 1. ISGEC heavy engineering Ltd, Noida (Currently Working - from 2017 Dec) *Senior Engineer (Bidding for EPC proposal)*

##### **Cement:**

- Checking / Preparing Proposal Layout drawing in AutoCAD and assisting to make technical specifications to meet various challenging & interesting Client/Climatic/Geographical requirements around the World.
- Checking / Preparing of competitive Proposal documents - Flow sheets, Plant Layout, Legends & Proposal GA drawings/TSS as per requirements.
- Understanding Tender requirements & Process diagrams and collate inputs from various departments to take care of the system design and sending enquiries to suppliers
- Attending Customer/Vendor meetings for Prebid/Proposal meetings (EPC)
- Making various options & optimization in Plot plan/Layout/GA to make cost-effective and feasible solutions in Proposals.
- Good knowledge of Cement plant Equipment & Systems
- Studying & preparing the Tender documents completely. Arranging for site visits to get actual site conditions, help quote accordingly .
- Supports technical EP/ EPC Proposals for Cement plant which includes planning of Proposal activities, creating optimum concept for client's requirement, generating technical documents.
- Understanding Tender requirements & Process diagrams and collate inputs from various departments to take care of the system design.
- Timely completion of assigned job with desired quality.
- Supervise drafting work related to specific Proposals & requirements.
- Supports preparation of technical specification for auxiliary equipment's and evaluation of vendor offers.
- Preparation of various documents like Machinery List, Tender deviations, Motor list, Weight schedule,, Exclusion List, etc.
- Review, Evaluation and Approvals of the Layout Drawings along with Building Floor Plans.
- Support for Tendering function whenever called for providing drawings /technical details/ Data sheets.
- Constantly improving technical skills and keep updating on the latest technology developments in Cement plant Equipment's & Systems.
- **Visiting customer places to analyze the existing Clinker cooler data's and checking feasibility to increase efficiency With new ETA Cooler**

### **Steel Plant :**

working in Technical proposal making of Pulverized Coal Injection (PCI) system for Blast furnace which is using in steel plants.

- Design of pulverized coal injection systems for Blast furnaces
- Preparation of Basis of Design, Process Flow Diagrams, Basic Equipment sizing and selection, Process Control Philosophy / functional description
- Layout for PCI system with Coal grinding
- Familiar with **Claudius Peters Coal grinding and PCI system** for Blast furnace

### **Boiler:**

Creating spare for technical offer and BOM for power plant boilers (Tubes/Soot blowers/Deaerators/Waterwall/PRDS)

## **2. FLSmidth Pvt Ltd, Chennai**

**(From 2008 Jan to 2014 July & 2015 Sep- To 2017 Nov: 8.8 Years)**

*Senior Engineer*

- Preparing Proposal Layout drawing in AutoCAD to meet various challenging & interesting Client/Climatic/Geographical requirements around the World.
- Preparing of competitive Proposal documents - Flow sheets, Plant Layout, Legends & Proposal GA drawings as per requirements.
- Understanding Tender requirements & Process diagrams and collate inputs from various departments to take care of the system design
- Timely completing of assigned job with desired quality
- Making various options & optimization in Plot plan/Layout/GA to make cost-effective and feasible solutions in Proposals.
- Develops 3D drawings, plan drawings or equipment diagrams based on calculations, data and customer requirements and submits these to appover for review.
- to support Project Engineer for all digitalization initiatives in Cement Proposals.
- Preparing 3D Plant layout in Solidworks & Navisworks for Project Proposal Layout & Upgrades/Retrofits Proposals.
- Responsible for making fly-through/walk-through Animation videos with photo-realistic effects for Sales presentation
- Studies drawings with senior colleagues to ensure safe operation and maintenance of plant/system.
- Good knowledge of FLSmidth Products, Cement plant Equipment & Systems

## **3.Fives India Pvt Ltd, Chennai**

**(From 2014 Sep- To 2015 Sep : 1 Year)**

*Layout Designer*

- Making Layout drawings for various Cement plants after Order
- Making of Plot plan drawings
- Making of General arrangement / Load drawings /Detailing/Dedusting

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## **EDUCATIONAL CREDENTIALS**

**BE - Mechanical Engineering -2012.April**

Sathyabama University–Chennai, **70%**

**D.M.E (Diploma in Mechanical Engineering) -2007.April**

Thiagarajar Polytechnic College–Salem, **90%**

**Class 10<sup>th</sup> – 2004 April**

Government Higher Secondary School, Rasipuram, Namakkal. 93%

#### **TECHNICAL EDUCATION**

- ❖ *Certified in AutoCAD Design software (2D).*
- ❖ *AUTOCAD 3D*
- ❖ *Solidworks*
- ❖ *Navis works*
- ❖ *Lumion (Animation)*

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#### **PROJECTS INVOLVED DURING WORK**

<b>Client</b>	<i>Andhra Cements private limited- Miryalaguda ,Andhrapradesh - India</i>
<b>Title</b>	<i>Site training (6 Months)</i>
<b>Details</b>	<i>Was actively involved in gain the knowledge about Cement plant process, Equipment details, Plant Maintenance and Erection</i>

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#### **PERSONAL DOSSIER**

**Date of Birth:** 22<sup>nd</sup> February 1989

**Languages Known:** English and Tamil

**References:** Available on Request