
ALAGAMMAL V

SENIOR DESIGNER - ELECTRICAL

Alagammal V has 13.5+ years of experience in Electrical Design Engineering for Oil & Gas, Refinery and Power projects Overall experience involving FEED and Detailed engineering design of electrical equipment

Key Highlights:

- Preparation and checking of Earthing & lighting Layout
 - Preparation and checking of Power Layouts
 - Preparation and checking of Lighting Layouts
 - Preparation of Installation Drawings (Power, lighting, Earthing & lightning)
 - Preparing Tray support details and coordinate with Structural
 - Coordinating with Civil, Structural, Instrumentation and Piping
 - Material take off and cable schedule
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Summary:

She is involved in Preparation and drafting of Single Line Diagrams, preparation and checking of Earthing & lightning protection layouts, preparation of typical installation standard drawings, preparation of UG & AG cable routing layouts and cable cross section details, preparation of lighting layouts and wiring diagrams, Inter Discipline coordination , checking of civil inputs for cable tray supports.

EXPERIENCE

Petrofac Engineering services Pvt. Ltd.
[July, 2015 - Till Date]

Designer - Electrical

Project: YIBAL KHUFF

Responsibilities : Preparation and checking for earthing layouts also below activities involved

- a) Installation drawings
- b) Cable routing Layout (ug/ag)
- c) Cable route index
- d) Material take off
- e) Lighting layouts

Project: Rabab Harweel Integrated Projects (RHIP)

Responsibilities : Preparation and checking for earthing layouts also below activities involved

- f) Installation drawings
- g) Cable routing Layout (ug/ag)
- h) Cable route index
- i) Material take off
- j) Lighting layouts
- k) Earthing & Lightning protection layouts

Project: Kuwait National Petroleum Company -CFP Project

Responsibilities : Preparation and checking for earthing/Cable routing layouts also below activities involved

- a) Cable routing Layout (ug/ag)
- b) Cable route index
- c) Equipment layout
- d) Cutout and Insert plate details for Civil input
- e) Material take off

Project: UZ 750 Project, EPC Work Island surface facilities (EPC-2),
Responsibilities: Route index for cables (u/g & a/g) and Checking of cable trench and tray layouts.

- a) Cable route index
- b) Material take off

Projects done in previous Company

M/s. Cethar Ltd. Is an ISO 9001 certified company .
[Dec 2003 to June 2015]

Designer - Electrical

CPP and UPP Power Plant Package design activities for following projects,

1. Project - 1 x 10 MW Captive Power Plant (EPC Package)
Client - M/S.Karur KCP Packkagings Ltd, Tamil Nadu.
2. Project - 4 x 300 MW UPP Power Plant (EPC Package)
Client - M/S.SKS Power Generation (Chhattisgarh) Ltd.
3. Project - 2 x 35 MW Captive power plant (EPC package)
Client - M/S OCL Iron & steel Ltd ., Orrisa

FBC Boilers Plant Electrification and Instrumentation design activities for following projects

1. Project - 1 x 70 TPH for M/s. Action Ispat and Power Pvt Ltd.
2. Project - 2 x 85 TPH for M/s.Shree cement Ltd.
3. Project - 2 x 130 TPH for M/s.Chettinad Cement Corporation Ltd.
4. Project - 1 x 35 TPH for M/s.Orchid Chemicals & Pharmaceuticals Ltd

WHRB Boilers Plant Electrification and Instrumentation design activities for following projects

1. Project - 1 x 38 TPH for M/s. Action Ispat and Power Pvt Ltd
2. 6 x 10 TPH for M/s. Rashmi Cement Ltd.

CFBC Boilers Plant Electrification and Instrumentation design activities for following projects

1. 1 x 230 TPH for M/s. OCL Iron and Steel Ltd.
2. 1 x 125 TPH for M/s. Tamil Nadu Newsprint and Papers Ltd.
3. 1 x 125 TPH for M/s. Tamil Nadu Newsprint and Papers Ltd

Responsibilities:

- Preparation of Electrical load list.
- Preparation of Single line diagram .
- Preparation of General arrangement of panels.
- Preparation of wiring drawings of LT MCC panel and VFD panel drawings.
- Preparation of control circuit drawings for DOL , STAR-DELTA , VFD etc
- Preparation of power and control cable schedule.
- Preparation of signal, control & thermocouple cable schedule and interconnection cable schedule.

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- Preparation of junction box wiring drawings.
 - Preparation of cable tray layout of Boiler , TG and BOP packages.
 - Preparation of control room trench layout of all power plant systems.
 - Preparation of lighting layout of Boiler , TG and BOP packages.
 - Preparation of Earthing layout drawings of Boiler , TG and BOP packages.
 - Review of vendor MCC and VFD panel drawings.

Calculations

- Power cable (LT/HT) sizing calculations
- Earthing sizing calculations
- Transformer sizing calculations
- Lighting calculation

EDUCATION

Ayya Nadar Janaki Ammal Women's Polytechnic

Diploma in Electronics and Communication Engineering, Sivakasi, Tamil Nadu.

Pass out: 1994