Piping Projects Annexure

Major Oil & Gas /Power Projects Performed:

Projects Details

1.

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| Project Title | RUWAIS REFINERY EXPANSION PROJECT |
| Client | TAKREER, RUWAIS OIL REFINERY,UAE U.A.E. |
| Company | GS E&C CORPORATION |
| Environ ment | MS Office, PDS 8.0, CAESAR 5.10, AUTOCAD, Smart Plant Review |
| Role | Piping Engineer |
| Duration | 8 months |

Ruwais is 240 km west of Abu Dhabi city, the Ruwais Industrial Complex was developed as a major contributor to the national economy and represents a series of multi-million-dollar investments.

Responsibilities:

* Isometric Extraction from PDS 8.0 for IFC
* Co-ordinate with Instrumentation dept for piping related issues
* Study of vendor drawings and collecting stress related data
* Documentation control of Piping and other disciplines
* Review of P&ID's, Layouts, GADs, Isometrics & various piping related drawings
* Stress Report generation from CAESAR II
* Locate and identify pipe supports on isometrics along with type of supports
* Review and sign-off piping isometrics considering flexibility and supporting
* Prepare complete documentation of the stress analysis and support design

2.

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| Project Title | CROWN PROJECT |
| Client | Philips Carbon Black Company Ltd, Kochi |
| Company | Chemtex Consulting India (P) Ltd |
| Environ ment | MS Office, AUTO CAD R14 |
| Role | Piping Engineer |
| Duration | 7 months |

Pioneers in carbon black in the country, Phillips Carbon Black Limited (PCBL) are the eighth largest carbon black manufacturer in the world. Part of the illustrious RP-Sanjiv Goenka Group of Companies, PCBL is known for its technical collaborations with foreign entities and state-of-the-art manufacturing facilities.

Responsibilities:

* Pipe thickness calculation
* Preparation of Piping Material Specification
* Preparation of General Bill of material
* Preparing Valve Material Specification for Gate valve, Ball Valve & Blow down Valve

3.

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| Project Title | Hydrogen Reformer |
| Client | Indian Oil Haldia Refinery, Haldia |
| Company | Technip KT India Ltd |
| Environ ment | MS Office, PDS 6.0, Auto CAD |
| Role | Piping Engineer |
| Duration | 6 months |

Indian Oil Company Ltd (IOCL) is one of the Maharatna Company status awarded by Govt of India.

Responsibilities:

* Pipe Thickness Calculation
* Preparing Piping Material Specification
* Preparation of General Bill of material
* Preparing Valve Material Specification for Gate valve, Ball Valve & Blow down Valve
* Floating Enquiries to different vendors for all the piping items & Valves
* Evaluation of offers from different vendors & giving the Technical Bid Tabulation report
* Preparing the Purchase Order Summary & Issue them to respective Vendors
* Preparing specification for Color coding, Valves, Gasket, Fasteners

4.

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| --- | --- |
| Project Title | Offsite & Utilities |
| Client | Indian Oil Haldia Refinery, Haldia |
| Company | Technip KT India Ltd |
| Environ ment | PDS 6.3, MS Office, Caesar-II |
| Role | Piping Engineer |
| Duration | 2 months |

* Preparation of General Bill of material
* Floating Enquiries to different vendors for all the piping items & Valves
* Evaluation of offers from different vendors & giving the Technical Bid Tabulation report
* Preparing the Purchase Order Summary & Issue them to respective Vendors

5.

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| --- | --- |
| Project Title | Residual & DE services for balance off sites & Utilities & interconnections |
| Client | Indian Oil Haldia Refinery, Panipat |
| Company | Technip KT India Ltd |
| Environ ment | Ms Access, PDS6.3, CAESAR-II, AUTOCAD 2003 |
| Role | Piping Engineer |
| Duration | 4 months |

* Preparation of General Bill of material
* Floating Enquiries to different vendors for all the piping items & Valves
* Comment on piping layout and piping studies

6.

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| Project Title | MG3 LUBEOIL |
| Client | Petronas, Melaka (Malaysia) |
| Company | Lurgi India Company Pvt. Limited |
| Environ ment | SAP R/3 4.6C, PDS 6.3, Autocad2003, Microstation |
| Role | Piping Design Engineer |
| Duration | 10months |

PETRONAS is one of the largest organizations in Malaysia. SAP R/3 4.6C was implemented by Siemens Information Systems India, Ltd. This project was a green field project. The organization structure was configured in the SAP system.

Responsibilities:

* Creation of General Bill of Material
* Floating Enquiries to different vendors for all the piping items & Valves
* Evaluation of offers from different vendors & giving the Technical Bid Tabulation report
* Preparing the Purchase Order Summary & Issue them to respective Vendors

7.

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| Project Title | SMG Fatty Alcohol |
| Client | Sawit Mas Group, Indonesia |
| Company | Lurgi India Company Pvt. Limited |
| Environ ment | PDS 6.3, MS Office, CAESAR 5.0 |
| Role | Piping Engineer |
| Duration | 6months |

Responsibilities:

* Modeling of Pump, Reactor, Heat exchanger, Tank farm area
* Pump suction & Discharge line, Reactor piping, Exchanger piping
* Critical line list preparation
* System Identification for stress analysis
* Analysis using CAESAR-II and support type selection
* Comment on piping layout and piping studies
* Preparation of piping stress analysis and report by using isometrics, P&IDs & line list

8.

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| Project Title | Low Density Polyethylene |
| Client | MTP Demo plant |
| Company | Lurgi India Company Pvt. Limited |
| Environment | PDS 6.3, MS Office, CAESAR 5.0 |
| Role | Plant & Design Engineer |
| Duration | 2months |

Responsibilities:

* Preparation of pipe class description & its uploading in the project database
* Isometric extraction from PDS & its labeling, checking
* Preparation of General Bill of Material

9.

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| Project Title | 100MW POWER PROJECT |
| Client | INDAL Hirakud Power |
| Company | Shankalpa Consultancy Marketing Pvt. Ltd |
| Environ ment | Autocad 2006, MS Office |
| Role | Mechanical Engineer |
| Duration | 12 months |

Responsibilities:

* Preparing Technical Specifications & calculations as per client’s requirements
* Incorporating the client’s requirements in the requisite documents
* Preparation of General Bill of Material
* Understanding various types of 2D GA drawings, piping schematic layouts & equipment drawings
* Preparation of Material take-off list and ordering of piping materials as per the given GA drawing

**Technical Training Projects:**

* SP3D Training Project: Equipment & Piping Modeling (ASME B31.3)
* Modeled centrifugal pumps, vertical vessels, and shell & tube heat exchangers using SP3D Equipment module
* Created piping layouts, supports, and isometrics compliant with ASME B31.3
* Generated GA drawings, MTOs, and BOMs; ensured tie-in accuracy and vendor alignment
* SP3D Training Project: Structural & Rack Piping – Brownfield Modifications (ASME B31.3)
* Modeled platforms, racks, and ladders using SP3D Structural module
* Rerouted piping in congested brownfield environment; ensured clash-free routing
* Produced spool drawings, support layouts, and GA drawings for construction