# Nilesh Kumar Singh

Flat No 504, Plot No-14

Skylark CGHS Apartment

Sector 52, Gurgaon, Haryana.

Phone No 0091- 08448606895, 09968810689

Email: nilesh\_krsingh@rediffmail.com

T**echnical Qualification** B.E (Mechanical) From Gulbarga University, Gulbarga, Securing First class with 64% in year 2002

Post Graduate Diplomain piping engineering from Elixir Institute of Technology, Mumbai, securing First class with 72% in year 2007

**Total Experience**  Having 17.3 **years** Experience in Piping Design (FEED / Basic & Detail Engineering) for Refineries, Petrochemicals, & Chemicals.

**Present Experience** Presently workinginJACOBS Engineering Pvt Ltd,Gurgaon as aSr.Design Engineer (Piping) from Oct 2012 to till date.

Job Activity

* Knowledge of working in a multi-disciplinary EPC/EPCM environment.
* Review of conceptual Design, Basic & FEED Engineering Package.
* Review Design Basis for Piping.
* Attained Project Start kick off meeting.
* Piping Design Activities man hours estimation.
* Prepared List of input design documents required from Client.
* Knowledge of applicable Code & Standards for Pressure Piping ASME B31.3 , B31.4 , B31.8, API, ASTM & NFPA etc.
* Preparation\Review Piping Material Specification & Valve Material Specification.
* Review of Data sheet for Piping items ,valve and special items .
* Development of Plot plan, Equipment Layout & Piping Layout.
* Preparation of MTO for Piping, Insulation & Painting and Estimating piping procurement cost.
* Develop piping for Centrifugal pump, Vessel, Exchanger, Column, Drum, Tank etc.
* Preparation of Pipe Rack Study Sketch.
* Preparation of Nozzle Orientation Drawing.
* Process and Utility Piping Design Drawing.
* Review of Vendor documents & drawings.
* Review the Equipment and routing of piping in 3D Modelling Performed by designers.
* Finalize Support requirement for all non critical line without input from stress.
* Attained Internal & External model review session.
* Checking of Isometric & Piping GA Drawings before release at any

Revision status.

* Analyze the design changes and communicate the impact of changes with respect to Work hours and project schedule and aware of change notes.
* Planning and scheduling the work to achieve target.
* Capable of Co-ordinating with other Engineering Disciplines.
* Resolving site queries**.**
* Completion of project within budget, schedule & quality.

**Computer skills**  PDS, PDMS, SPR, Navis Works, Micro station, Auto-CAD & MS office.

Project:-

* Merox sweetening unit (Valero Refinery Company)
* Polyester Process ( The Dow Chemical Company)
* Revamping of CDU (Husky Lima Refinery)
* Butane treatment Plant (Toledo Refining Company.)
* CAP (Sabic) Chemical plant.
* Methanol Restart Project (Lyondell Basell)

**Past Experience** Workedin **BECHTEL India Pvt Ltd,** Gurgaon as Engineer III (Plant design & Piping) in July 2008 to Oct 2012

Project: -

Kitimat –Rio Tinto

Chevron Pascagoula Refinery

Gasco, Onshore gas processing Phase III , (UAE)

Ruwais Refinery Expansion Project, (Takreer) FEED, Abu Dhabi

Wood River Refinery core Project, Roxana, U.S.A

Job Activities

* Design and Development of Plot Plans, Key Plan, Equipment and piping Layout.
* Preparation and Review of piping General Arrangement Drawing & Isometric drawing.
* 3D Equipment & Piping modelling using PDS.
* Review 3D design and participate & assist in model reviews.
* Line routing from P& ID.
* Assist to the lead Engineer for Planning and scheduling of various Activities in Area and Unit.
* Co-ordination with Civil and Structural discipline for clash clearance.
* Checking and resolving of clashes in model.
* Checking of Vendor drawings and Structural GA’s.
* Co-ordination with process discipline for various changes in P&ID’s and process.
* Co-ordination with Stress peoples for stress critical lines and support design with loads.
* Co-ordination with control systems for control valves and Instrument vendor drawing.
* Review of Vendor drawings for Equipments, Valves and Instruments.
* Support modeling in PDS.
* Isometric Extraction with PDS.
* Isometric checking and area Mark-up on Master P& IDs.
* Piping material take off from P& ID.
* Piping material and standards
* Supporting and other function of piping Engineering.
* Co-ordination with Lead for closing the 30% 60% &90% Model Review Tags.
* Handling site queries of piping layout.

**Past Experience CEIL Subsidy Company of ENGINEERS INDIA LIMITED**

(A Govt. of India Undertaking) Mumbai as a Engineer in February 2007 to July 2008

Project:-

Revamping of Pipe Replacement Project for ONGC offshore process Platform.

Job activities

* Isometric checking and area mark-up on master P&IDs.
* Preparation of As-Built Piping Drawing.
* Checking of piping supports.
* Checking & review of vendor document and drawing.
* Piping material take off from P& ID.
* Piping material and standards

**Past Experience**  Worked in **MECON Ltd,** (A Govt. of India Enterprises)Delhi as a

Asst. Design Engineer in December 2004 to Feb 2007.

Proje**ct:-**

CNG & City Gas Distribution Project for Green Gas Ltd.

12” Diameter 110 Km Kalarus to Malanpur Cross country pipeline Project for GAIL.

Job Activities

* Preparation of Unit Plot Plan.
* Preparation of plot plan Dispatch, Receiving and sectionalising valve station.
* Preparation of alignment sheet.
* Preparation of Equipment layout, piping GA & piping Isometrics.
* Pipe Thickness calculation.
* Preparation of material specification for pipeline items Line pipe, 3layer PE Coating, pipeline valve, flanges & Isolation joint.
* Interfacing and coordination with other disciplines.
* Review Vendor Drawing.
* Design Review Presentation with client at different stage of project.
* Knowledge of ASME B 31.8
* Flow line / pipeline layout drawing at well head & scraper launcher / receiver & manifold area.
* Preparation of Typical pipeline detail drawing for road, existing pipeline crossing.

**Past Experience** Work in **M/s MAPL,** Noida as a Mechanical Engineer April 2002 to Nov

2004

Project: Panipath & Mathura Expansion Project.

* Execution of Pressure Vessel, Tank, Reactor and Heat Exchanger in IOCL Panipath and Mathura Refinery Plant.
* Experienced in doing design calculation, preparation of technical specification, fabrication drawing preparation.

**Personal Information:**

Date of Birth : 22nd Nov 1977

Nationality : Indian

Language Knows : English & Hindi

Permanent address : Qr No .2182 Sec 4 D

Bokaro Steel City,

Jharkhand - 827004

Passport Details : Passport No – E3809282

Date of Issue -25-11-2012

Date of Expiry – 21-11-2022

Nilesh Kr Singh

Gurgaon