

Resume of Himanshu Chichra

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Career Statement & Objectives:

Having hands on experience in performing process safety services and suggesting appropriate measures to reduce the risk for various national and international clients in Oil and Gas, Petrochemical, Pharmaceutical & FMCG sectors. Seeking an opportunity to utilise my technical, leadership & business development skills to further enhance the business of a renowned organization.

Core Competencies:

- Facilitating HAZOP and SIL Workshops.;
- Leading explosion risk assessment, electrostatic hazard assessment and hazardous area classification along with team of engineers.;
- Conducting Trainings for clients and public seminars.;
- Delivering technical reports with process safety assessment conclusions and recommendations as per clients' requirements.;
- Leading a team of technical engineers and business development department.;
- Developing business by meeting new clients and retaining the existing clients.

Skills:

- Process Hazard Analysis and Risk Management
 - HAZID
 - HAZOP
 - FERA/ QRA/ BRA
 - Dispersion
 - Process Safety Audit
 - Disaster Management Plan
- Functional Safety Assessment
 - SIL & LOPA
- Fire and Explosion Hazard Assessment
 - ATEX Assessment
 - Dust Explosion Risk Assessment
 - Hazardous Area Classification
 - Electrostatic Hazard Assessment
- Process Safety Trainings

Personal Details

Date of Birth: 07 February 1990

Place of Birth: Delhi, India

Citizenship: Indian citizen

Marital Status: Single

Qualifications and Memberships

Qualifications & Professional course: Bachelor of Technology (B.Tech) – Chemical Engineering, University School of Chemical Technology, Guru Gobind Singh Indraprastha University, 2011.

Employment History

Sigma-HSE India Pvt. Ltd. Position: Principal Engineer (Risk and Safety)
Date: 06 April 2015 - Present

Description of Role/ Responsibilities:

- To provide Process Safety Technical Consultancy in India and internationally.;
- To assist marketing in developing publicity and technical literature.;
- To undertake business development activities which shall include, presenting the array of services to clients, issuing quotations and negotiating with clients for successful order.;
- To train and develop a team of engineers working with you.;
- To lead Delhi office location (Team Size – 8) and extend technical support whenever required.

Projects/ Achievements:

HAZOP (As Facilitator):

- HAZOP for DHA Campaign Project, SRF Limited, Dahej
- HAZOP for SS06 Plant, SRF Limited, Dahej
- HAZOP for Pyrazole Production Plant, SRF Limited, Dahej
- HAZOP for HFC-134 Plant, SRF Dahej.
- HAZOP for TFAc Plant, SRF Dahej.
- HAZOP for ATFMP Campaign, SRF Dahej
- HAZOP for P-29 Plant, SRF Dahej
- HAZOP for TFA Distillation, P-30 and P-31 Plant, SRF Dahej
- HAZOP for SS04 Campaign, SRF Dahej
- HAZOP for Mancozeb, Propineb, Zineb and Specialty & Performance Chemicals Division, Indofil Unit -3 Dahej
- HAZOP for SC-05 Campaign, SRF Dahej
- HAZOP for SS-02 Campaign, SRF Dahej
- HAZOP and Design Safety Review for API Plant in Behror (including Potent Drug Handling Unit) of Shree Jee Laboratories Pvt. Ltd., Mankind Pharma
- HAZOP for SS-25 Campaign, SRF Dahej
- HAZOP for SC-09 Plant, SRF Dahej
- HAZOP for SC-08 Plant, SRF Dahej
- HAZOP for SS-03 Plant, SRF Dahej
- HAZOP for GS-560840, SRF Dahej
- HAZOP for Chloromethane (CMS) plant, SRF Dahej and Bhiwadi
- HAZOP for hydrogenation plant, SRF Dahej
- HAZOP for SS-26 plant, SRF Dahej
- HAZOP for Speciality Chemical (Polymer) Plant, Indofil Dahej
- HAZOP for P28 plant, SRF Dahej
- HAZOP for P20 plant, SRF Dahej

- HAZOP for Bromine Recovery Glass Setup, SRF Dahej

QRA:

- QRA for Storage Tank farm for Surat Plant, Navin Flourine.
- QRA for Storage Tank Farm for Bhiwadi Plant, SRF Limited
- QRA for Nitrogen Cylinder Room and cell Bank Area, Dr. Reddy's Biologics
- QRA for Adani Katupalli Port Private Limited, Mott Macdonald
- QRA for HPCL Janjgir Depot, Essar Projects

Dispersion Study:

- Dispersion for Ethylene Emergency Venting System, SRF Limited
- Dispersion for Carbon Monoxide Emergency Venting System, SRF Limited

Hazardous Area Classification (HAC), ATEX Assessment, Explosion Risk Assessment, Dust Explosion Standard:

- ATEX Assessment for Moga and Nanjangud Plant, Nestle India Limited
- ATEX Assessment for Kuppam Plant, Sapa Extrusions India Pvt. Ltd.
- HAC for Goa Formulation Unit, Watson Pharmaceuticals Pvt. Ltd.
- HAC for Gajraula Plant, Jubilant Lifesciences Limited
- HAC for Dewas Plant, Navin Flourine (NFIL)
- Dust Explosion Risk Assessment for 2 Formulation Plants, Zoetis Pharmaceutical
- HAC for API Plant in Behror (including Potent Drug Handling Unit) of Shree Jee Laboratories Pvt. Ltd., Mankind Pharma.
- Hazardous Area Classification (HAC) for Vizag Plant, Inogen Laboratories.
- Hazardous Area Classification (HAC) for Hyderabad Plant, Inogen Laboratories.
- Dust Explosion Prevention and Protection Standard Preparation, Asian Paints
- Dust Explosion Risk Assessment and ATEX Assessment, PI Industries, Panoli
- Dust Explosion Risk Assessment and ATEX Assessment, PI Industries, Jambusar
- HAC for Baddi Plant, Procter & Gamble (P&G)
- ATEX Assessment, Sapa Extrusions India Pvt. Ltd.

Electrostatic Hazard Assessment (EHA) and Site Assessment:

- Electrostatic Risk Assessment for 2 Formulation Blocks, Zoetis Pharmaceutical
- Process Safety Audit including EHA for P3 and Pilot Plant, SRF Bhiwadi
- Electrostatic Hazard Assessment (EHA) and Incident Investigation for adhesive and tape manufacturing facility, Pidilite Limited, Karad
- Design Safety Review including Electrostatic Hazard Assessment for Vizag Plant, Inogen Laboratories
- Design Safety Review including Electrostatic Hazard Assessment for Hyderabad Plant, Inogen Laboratories

PSM Gap Analysis:

- PSM Gap Analysis, SRF Limited, Bhiwadi

Trainings:

- Seminar on Electrostatic Hazard Assessment, Mumbai and Vadodara, 2015
- Seminar on Hazardous Area Classification, Vadodara and Vizag, 2015
- Seminar on Preventing Fire & Explosion for dusts, vapors & gases including EHA; Hyderabad and Chandigarh, 2015
- Seminar on Process Hazard Analysis and HAZOP, Goa, 2015
- Seminar on Hazardous Area Classification, Mumbai, 2016
- Seminar on Preventing Fire & Explosion for dusts, vapors & gases, Vadodara and Hyderabad, 2016

- Seminar on Electrostatic Hazard Assessment, Hyderabad, 2016
- Seminar on Risk Management and HAZOP, Baddi, 2016
- Training on ATEX: Explosive Atmosphere Assessment, Nestle India, 2015 & 2016
- Training on Understanding and Implementing Hazardous Area Classification, Inogen Laboratories and GVK Bio, Hyderabad, 2016
- Seminar on Understanding and Implementing Hazardous Area Classification (HAC), Chennai, 2017
- Seminar on Techniques of Process Hazard Analysis, Mumbai, 2017
- Training on Dust Explosion and Electrostatic Hazards, SRF Gurgaon

Chilworth Technology Pvt. Ltd.
Date: 15 June 2011 to 31st March 2015

Position: Technical Assistant Manager – Risk and Safety

Description of Role/ Responsibilities:

- To provide Process Safety Technical Consultancy in India and internationally.;
- To undertake business development activities which shall include, presenting the array of services to clients, issuing quotations and negotiating with clients for successful order.;
- To lead, train and develop a team of engineers (Team Size – 3) working with you.

Projects/ Achievements:

HAZOP

As Facilitator:

- HAZOP for Hydrogen Plant, Bunge India Pvt. Ltd.
- HAZOP for IOCL Northern Region Aviation Fuel Stations
- HAZOP for Indane LPG Bottling Plant – Jaipur, IOCL
- HAZOP for Boiler Feed Water softening, storage & pumping facility, GlaxoSmithKline – Pakistan
- HAZOP for 3 Plants, Henkel Adhesives Pvt. Ltd.
- HAZOP for Catalytic Dewaxing Unit, IOCL Haldia Refinery

As scribe:

- HAZOP for IOCL, Viramgam Kandla Pipeline.
- HAZOP for IOCL, MJPL hook up with Tikrikalan.
- HAZOP for IOCL, Transfer Pipeline from North Oil Jetty to PHBPL, Paradip.
- HAZOP for IOCL, POL Terminal and LPG Plant at Tikrikalan.
- HAZOP for IOCL Paradip, Paharpur Cooling Towers.
- HAZOP for UEM, ETPs at Ankleshwar and Ahmedabad-ONGC.
- HAZOP for HPCL Ennore Terminal.
- HAZOP for Thermax, Bag filter of Coal Gasification plant at JSPL.
- HAZOP for Indo-Baijin (Shanghai), Carbon Disulphide manufacturing plant.
- HAZOP for Glenmark, Production Plant at Ankleshwar.
- HAZOP for Bharuch Enviro Infrastructure Ltd., Heat Recovery Boiler, Standby Boiler & Evaporation Plant.
- HAZOP for IOC Paradip- Haldia- Barauni Pipeline and Stations.
- HAZOP for Northern Region Pipeline - Panipat and Bijwasan Stations, IOCL.
- HAZOP for ETP Nada and additional facilities, SMS Infrastructure Ltd.
- HAZOP for Guar PO derivative process, India Glycols Limited
- HAZOP for Boiler System and Steam Distribution Network, Jhonson and Jhonson – Solan Plant
- HAZOP for Ethylene Oxide and Propylene Oxide System, Shell India

HAZID/ HAZCON

As Facilitator:

- HAZID for IOCL Northern Region Aviation Fuel Stations.
- HAZID for Indane LPG Bottling Plant – Jaipur, IOCL
- HAZID for Major Accident Hazards, GlaxoSmithKline Nairobi (Kenya)
- HAZID for Horlicks and Boost Manufacturing Plant, Project Dakshin for GlaxoSmithKline
- HAZID for 3 Plants, Henkel Adhesives Pvt. Ltd.
- HAZID for Dahej Plant, Aarti Industries Ltd.
- HAZID for UEM, ETPs at Ankleshwar and Ahmedabad-ONGC.
- HAZID for IOCL, POL Terminal and LPG Plant at Tikrikalan.
- HAZID for ETP Nada and additional facilities, SMS Infrastructure Ltd.

As scribe:

- HAZCON for Zawtika Development Project Phase 1A, PTTEPI for Larsen & Toubro – Bangkok
- HAZCON for Transportation and Installation of Calm Buoy, PLEM and Pipeline, BG Panna SPM Project for Punj Lloyd Limited

Instrumented Protective Functions (IPF) Classification / Safety Integrity Level (SIL)/ Layer of Protection Analysis (LOPA)

As Facilitator:

- SIL Classification and Verification for Rallis India Ltd., Lote Plant.
- SIL Classification for 3 Plants, Henkel Adhesives Pvt. Ltd.
- SIL Classification and Verification for Rallis India Ltd., Ankleshwar Plant.
- LOPA for Rallis India Ltd., Lote Plant.
- LOPA for Rallis India Ltd., Ankleshwar Plant.
- SIL Classification for Galaxy, Talaja Plant
- LOPA for Talaja Plant, Galaxy Surfactants Limited
- SIL Classification and Verification for Rallis India Ltd., Dahej Plant
- LOPA for Rallis India Ltd., Dahej Plant.

As scribe:

- SIL Classification for IOCL, Paradip Refinery Project.
- SIL Classification for Paharpur Cooling Tower.
- SIL Classification for Thermax, Bag filter of Coal Gasification plant at JSPL.
- SIL Classification for UEM, ETPs at Ankleshwar and Ahmedabad-ONGC.
- SIL Verification for Phase III, MRPL Refinery Project.
- SIL Classification for Indo-Baijin (Shanghai), Carbon Disulphide manufacturing plant.
- SIL Classification for Cairn, Raageshwari Oil Well Pad.
- SIL Classification for Libra Techon Ltd., Hexamine Plant.
- SIL for Bunduq OSII Ph2 Dev Project for NPCC

Quantitative Risk Assessment/ Fire and Explosion Risk Assessment/ Building Risk Assessment

- QRA for IOCL, Ambala Cantt. Terminal.
- QRA for HPCL Ennore Terminal.
- QRA for IOCL Ratlam Terminal.
- QRA for UEM, ETPs at Ankleshwar and Ahmedabad-ONGC.
- QRA for Indo-Baijin (Shanghai), Carbon Disulphide Manufacturing Plant.
- QRA for CAIRN, Raageshwari Oil Well Pad.
- QRA for Glenmark, Production Plant at Ankleshwar.
- QRA for Dr. Reddy's Laboratories Ltd., Bacchupally.
- QRA for GGCL Domestic Connections.
- Radiation Analysis for RAS ISSA Oil storage SEPOC (Yemen) for Punj Llyod Engineering.

- QRA for IOCL Haldia, Paradip- Haldia - Barauni P/L Stations.
- QRA for IOCL Bhopal Terminals
- QRA for TFP production reaction from TFE and Methanol, Gujarat Fluorochemicals Ltd.
- QRA for Jubilant Life Sciences Ltd., Bharuch
- FERA for BGEPI PH, PJ, PF, MA Gas Lift Projects, NPCC
- QRA and CBA for Gujarat Gas Corporation Ltd., City Gas Stations
- QRA for Acetone Cyanohydrin ISO tank and HDPE drums, Lupin Limited.
- QRA for Mounded LPG Bullet Facility, Total Oil India Pvt. Ltd.
- QRA for Polysilicon Plant Project for Qatar Solar Technologies, Punj Lloyd Engineering Limited
- QRA for Hydrogen Plant for Gasal, Qatar
- QRA for Henkel Adhesive Technologies, Navi Mumbai
- QRA for Pipeline Replacement Project 3 (Season 1 & Season 2), Leighton Industries for ONGC.
- QRA for Additional Pipeline Project, Leighton Industries for ONGC
- QRA for Heera Redevelopment Project Phase 2, Leighton Industries for ONGC
- QRA for IOCL Northern Region Aviation Fuel Stations
- QRA for Vasanthnagar Facility, Lotus Labs Pvt. Ltd.
- QRA for Fertilizer Plant and Petrochemical Complex, Indorama Eleme Petrochemicals Limited.
- QRA for Indane LPG Bottling Plant – Jaipur, IOCL
- QRA for ETP Nada and additional facilities, SMS Infrastructure Ltd.
- QRA for Guar PO derivative process, India Glycols Limited
- QRA of 5 Plants for Deepak Nitrite Ltd., Maharashtra and Gujarat
- QRA of Dombivali and Vapi Plant, Aarti Industries Ltd.
- QRA for Heera Redevelopment Phase-II, ONGC; Leighton Welspun
- QRA for Additional Pipeline Project ONGC; Leighton Welspun
- QRA for IOCL Lucknow Terminal.
- QRA for IOCL Mughalsarai Terminal.
- QRA for IOCL Maharashtra Terminals.
- QRA for IOCL Ambala Terminal
- FERA for Kinabalu NAG fields, KNPG-B and KNJT-C platforms for Petronas
- QRA for Labuan Gas Terminal (LGAST-1 & LGAST-2), Petronas
- BRA for Labuan Gas Terminal (LGAST-1 & LGAST-2), Petronas
- QRA for Water Tank Siting, IOCL Gwalior
- QRA for Chlor Alkali Karwar Plant, Aditya Birla
- QRA for Auto LPG Dispensing Station, Total Oil
- QRA for 3 Plants, Henkel Adhesives Pvt. Ltd.
- QRA for Direct Reduced Iron (DRI) Plant, Jindal Steel and Power Limited
- QRA for Banatica LPG Facility, Repsol
- QRA for Maseid Improvement Work, Qatar for Gasal Q.S.C
- QRA for Phase II Project, Galaxy Surfactants Limited
- QRA for Khandala Site, Asian Paints
- QRA for Pidilite Industries Ltd., Mahad Plant
- QRA for Taloja Plant, Galaxy Surfactants Limited
- QRA for estimating Subsea Isolation Valve Location for MHNDR III- ONGC, Valentine Maritime Ltd.
- QRA for Dahej Plant, Aarti Industries Ltd.

Dispersion study

- Dispersion Study for Indo-Baijin (Shanghai), Carbon Disulphide Manufacturing Plant.
- Dispersion Study for CAIRN, Raageshwari Oil Well Pad.
- Dispersion Study for BGEPI PH, PJ, PF, MA Gas Lift Projects, NPCC Engineering Ltd.
- Dispersion Study for Cold Vent at ONGC Nawagam Site for UEM.
- Dispersion Study for Fertilizer Plant and Petrochemical Complex, Indorama Eleme

Petrochemicals Limited.

- Dispersion Study for Bhavnagar Plant, Excel Crop Care Limited

Disaster Management Plan/ Emergency Response Plan (DMP/ ERP)

- DMP for RAVVA Onshore Terminal and Offshore Platform, CAIRN Energy India Pvt. Ltd.
- DMP for IOCL Bhopal Terminals
- DMP for Pipeline Terminal for storage and Marketing of Petroleum Products at Tikri Kalan, Delhi including Pipeline from Mathura – Jalandhar pipeline of IOCL
- DMP for Indane LPG Bottling Plant – Jaipur, IOCL
- ERDMP for IOCL Jhansi Depot.
- ERDMP for IOCL Lucknow Terminal.
- ERDMP for IOCL Mughalsarai Terminal.
- ERDMP for IOCL Maharashtra Terminals.
- Onsite Emergency Plan for DRI Plant, Jindal Steel and Power Ltd.
- Onsite Emergency Plan for Taloja Plant, Galaxy Surfactants Limited

Emergency System Survivability Analysis (ESSA) and Escape, Evacuation and Rescue Analysis (EERA)

- ESSA for Indo-Baijin (Shanghai), Carbon Disulphide Manufacturing Plant
- EERA for BGEFIL PH, PJ, PF, MA Gas Lift Projects, NPCC.

Hazardous Area Classification (HAC), ATEX Assessment

- HAC for CTO VI, Dr. Reddy Laboratories Ltd.
- HAC for CNG Compressor station, Gujarat Gas Corporation Ltd.
- HAC Study and Training for Malanpur Plant, Teva API India Ltd.
- HAC for Firmenich Asia, Singapore & Daman Sites
- HAC for RA Chem Pharma, Vijaywada Site
- HAC for Pidilite Adhesives, Vapi
- HAC for Watson Pharma, Ambernath Plant
- HAC for Chennai Sealant & Adhesives Plant, Henkel Teroson India
- HAC for Dewas Plant, Navin Flourine Pvt. Ltd.
- HAC for Horlicks and Boost Manufacturing Plant, Project Dakshin for GlaxoSmithKline
- HAC for Fluorespeciality Chemical Plant, Gujarat Fluorochemicals Ltd.
- ATEX – HAC for Chennai Site, Saint Gobain Glass India Limited
- HAC for Gurgaon Plant, Henkel Adhesives
- HAC for Taloja Plant, Galaxy Surfactants Limited
- ATEX-HAC for Dahej Plant, DIC Fine Chemicals
- ATEX for Ptolemais Unit V, 660 MW Power Plant, Greece for Lahmeyer International India.

Electrostatic Hazard Assessment (EHA) and Site Assessment

- EHA for Dr. Reddy's, 6 Chemical Technical Operation (CTO) Units
- EHA for Pidilite Adhesives, Vapi
- Site Assessment for Firmenich Asia, Daman Sites
- Site Assessment for Syngene International Ltd.
- EHA for Galaxy Surfactant, Taloja Plant
- EHA for Packing Process, Foseco India

Mechanical (Non-Electrical) Equipment Ignition Risk Analysis (MEIRA)

- MEIRA Study for Granulator, Mixer and Mill; GlaxoSmithKline – Pakistan
- MEIRA Study for Ethanol Transfer Pump, Fluidized Bed Dryer, Sugar Mill and Comill, GlaxoSmithKline Nairobi (Kenya)

PSM Gap Analysis and Chemical Compatibility Study

- PSM Gap Analysis, Galaxy, Maharashtra
- PSM Gap Analysis and Chemical Compatibility, Valspar Coatings, Bangalore

Trainings:

- Controlling Electrostatic Hazards, Dr. Reddy's Laboratories Ltd., Hyderabad, 2011
- Understanding, Executing and Interpreting Hazardous Area Classification, Teva API India Ltd., Malanpur, 2013
- Basics for Hazardous Area Classification and Interpreting IEC 60079, Bayer Cropscience, Vapi, 2013
- Overview of Mechanical Equipment Ignition Risk Assessment, GlaxoSmithKline, Kenya, 2013
- Overview of Mechanical Equipment Ignition Risk Assessment, Bayer Vapi Pvt. Ltd., 2013
- EERA, ESSA, SGIA & TRIA, Petronas, 2013
- Quantitative Risk Assessment, Petronas, 2014
- Overview of Process Safety Management and HAZOP, Mumbai, February and November 2014
- Seminar on Risk Management and HAZOP, Mumbai, 2014
- Understanding and Controlling Electrostatic Hazards, Divis Laboratories Ltd., Vizag, 2014
- Fire and Gas Mapping, China Huanqiu Contracting & Engineering Corporation, 2014
- Building Hazard Analysis, China Huanqiu Contracting & Engineering Corporation, 2014
- Understanding and Controlling Electrostatic Hazards, Rallis India Pvt. Ltd., 2014
- Basic concept of Hazardous Area Classification, Indian Institute of Chemical Engineers, Northern Regional Centre, 2014

Personal Interests

- Travelling for Leisure
- Music and Singing

Referees

Referees will be provided on request.