

Birender Sharma

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Education

Central Labour Institute, Mumbai	96.82%	Advance Diploma Industrial Safety
Annamalai University	62%	P.G.D.Health Safety &Environment
University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh	62.45%	M.E. (Chemical Engineering)
Kurukshetra University	63.05%	B.Tech. (Chemical Engineering)
M.L.N. Sr. Sec. School, Radaur (Yamunanagar)	52.2%	Class XII
S.V.V.M Sr. Sec. School, Alahar (Yamunanagar)	75.33%	Class X

Work Experience

October 2018 – January 2021 Quess Corp Limited
(On Deputation M/S Castrol India Limited)
Team Member HSSE

- Support in documentation for legal compliance
- Conduct HSSE induction for Contract workers and new joiners.
- Support site HSSE team in documentation related to purchases /procurement (getting quotations, preparing PCN's etc.)
- Liaise with external agency to carry out monthly environmental monitoring as per the site Consent to Operate (CTO)
- Submission of monthly environmental monitoring reports and annual returns to Pollution control Committee.
- Support in disposal of hazardous waste and maintain mandatory documents relating to disposal.
- Coordination and maintenance of records of quarterly inspection of fire-fighting equipment.
- Support site HSSE team in compliance & documentation for ISO & OHSAS certification.
- Coordinate trainings, Tool Box Talks and employee engagement sessions on HSSE.
- Engage with contractors to identify HSSE issues through contractor safety meeting.
- Engage contractors in events that promote safety at site e.g. safety week, fire service day, environment day etc.
- Visit PCC for submission of official documents/reports and regular follow ups for approvals.
- Track and monitor closure of safety hazards and risks identified during site rounds. Coordinate with engineering to implement HSSE kaizens.
- Coordinate with site team to ensure closure of safety committee meeting points
- Support site HSSE team to have smooth implementation and delivery of new initiatives led by HSSE team.

June 2017-September 2018 Safety Officer
M/S Punjab Chemicals & Crop Protection Limited
(Agro Division) Derabassi, SAS Nagar, Punjab (India)

- To advise the purchase and store departments for PPE.
- To control unsafe physical conditions and preventing unsafe actions.
- To carry out analysis of all the near misses, accidents, incidents, non-conformance's.
- To maintain records.
- To organize meetings of safety committees and act as facilitator to such committees.
- To conduct training programmers.
- To conduct mock drill.
- To handle emergencies.
- Responsible for Audit compliance of safety .
- To conduct EHS engagements with Workers & contractors; and monitor exact status of compliance of EHS management systems.
- Establishing safety policy, safety rules and regulations.
- Conducting Safety Audit in Plant and preparation of the report for the same

April 2013-April 2015 Shift In charge - Soda Recovery Plant
M/S Ruchira Papers Limited
Kala-Amb, Sirmour, H.P. (India)

- Recovery section having 7 effect Evaporator system, supplied by SSP. Recovery Boiler of black liquor firing 200 TDS/day and Causticizer with production of 46 MT AA per day as NaOH.
- Independent working in all section of Soda Recovery in respect of manpower control.

- Ensuring safety of all workers for safe operation.
- Coordinating with HOD Soda Recovery for day-to-day production, maintenance planning of department and its implementation.
- Coordination with other departments for maintenance and smooth operation of plant.

Training & Projects

- 6 weeks Industrial Training at **National Fertilizers Limited, Panipat**
This training period includes detailed study of Offsite and Utilities Group of Plants.
- 8 Weeks Industrial Training at **Bharat Starch Industries (A Division of English Indian Clays Ltd).**
This training period includes all the process related to manufacturing of Starch and allied products.

Project Undertaken

ADIS Project Title

“Safety Management System in Agro Chemical Industry”

Master’s Thesis Title

“Swelling behavior of 60:40 Starch-Poly (vinyl alcohol) blend and Borax, GA cross linked films”

Submitted during B.Tech.

- **Plant design for the production of POLYISOPRENE from isoprene Pulverization.**
Engineering Design project-Major (Duration 6 months)
This project includes Material Balance for reactor, design of Reactor and Storage vessel and mechanical design of storage vessel.
- **Designing of Shell and tube Heat Exchanger for production of Glucose from Starch.**
Engineering Design Project-Minor (Duration 6 months)
This project includes study of various types of Heat Exchangers, basic design procedure, and material & energy balance.

Achievements

- Qualified Graduate Aptitude Test in Engineering(GATE)- 2010, with GATE Score 429 and All INDIA rank 763,finished in Top 8%
- Participated in Poster Paper Competition on ‘**A Review-Treatment of water using low cost and commercial adsorbents by the adsorption**’ in CHASCON 2011 organized by Chandigarh Science Congress.

Extra-Curricular Activities

- Hostel Development Secretary of Bhatnagar Hall Boys Hostel No.-3, Panjab University Chandigarh for session 2010-2011
- Member of Organizing Committee of **National Youth Festival –JHANKAAR**, 2010.
- Participated in “Entrepreneurship Awareness Camp” organized by Entrepreneurship Development Cell, sponsored by Ministry of Science and Tech., Govt. of India, at JMIT 2006.

Date: October 21, 2021

Place: Yamunanagar