



RAJESH DABI SHEKHAWAT

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KEY SKILLS

- Pyro Metallurgy Operation
- Electro refinery Operation
- Melting & Casting Operation
- Procurement Planning
- Project and commissioning of equipment
- Quality Processes and product
- Production planning
- DuPont safety system
- Molten Metal Handling
- EOT crane Handling
- Confined Space Entry Safety
- Manpower Management
- Team Building & Leadership

BENCHMARKING VISITS

2017

- India International Gold Convention, Goa

2022

- Titan Company Limited - Jewellery Division, Rudrapur, UK

HOBBIES

- Watching TV
- Running
- Sports

PERSONAL SUMMARY

Proactive Chemical engineer with 14.5 years of combined experience in project, commissioning and systematic plant operation seeking an opportunity to work as a process engineer, with a view to utilize my experience in a renowned organization. Having good interpersonal skills with strong inclination towards continuous learning.

PROFESSIONAL EXPERIENCE

Year	Designation
May 2023 - June 2023	Manager , Lead smelting & Refining, Production Dept. Axora Resources Limited, Chittoor, AP
July 2019 – May 2023	Production Manager , Pyro section, Silver Refinery Plant, PMP, HZL
May 2016 - June 2019	Area In charge , Pyro & Dust collection section, Silver Refinery Plant, PMP, HZL
Mar 2012–April 2016	Shift Engineer -, Pyro section, Silver Refinery Plant, PMP, HZL
Sep 2011- Feb 2012	Project & Commissioning – Team Member , Silver Refinery Plant, Panthnagar Metal Plant, HZL
Sep 2010 - Aug 2011	Project & Commissioning – Team Member , Leaching & Purification Plant Hydro III, DSC Zinc, HZL
Feb 2009 - Aug 2010	Shift Engineer , Leaching Plant Hydro-I & II , CLZS, HZL

CAREER HIGHLIGHTS

- Making of Lead Ingot through Scrap battery paste, Lead dross by the rotary furnace, Vacuum distillation process & lead refining process (Axora Resources Limited)
- Making of Antimony, Copper & Tin alloy through Antimony dross, Copper dross & Tin dross by the refining process (Axora Resources Limited)
- Streamlined commissioning of Silver Refinery Unit for Finished Goods (FG) in six month with capacity of 350 MTPA
 - Erection & commissioning of 14 MT Rotary Noble furnace (Reduction/Melting process)
 - Erection & Commissioning of Two Rotary Cupellation furnace each furnace capacity 36 MT (Oxidation Process)
 - Erection & Commissioning of Five electrolytic cell's (Electrolysis Process)
 - Erection & Commissioning of two medium frequency furnace for Silver melting & Casting (Induction furnace)
 - Erection & Commissioning of Dust collection & handling system (Bag Filter)
- Enhance capacity of Silver Production from 350 MTPA to 600 MTPA in the year of 2013-2014
 - Erection & Commissioning of 2 MT Vacuum distillation furnace (Junker furnace)
 - Erection & Commissioning of 4 MT Bottom blow Oxy Cupellation furnace
 - Erection & Commissioning of ACM (Anode Casting Machine)
 - Erection & Commissioning of MMTT (Molten Metal Transfer Trolley)
 - Erection & Commissioning of 4 additional electrolytic cell's
 - Erection & Commissioning of Two Induction furnace with the capacity of 300 KG



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ACADEMICS

2008

B.Tech. - Chemical Engineering (83.5%), Anna University, Tamilnadu

2004

Senior Secondary School (85%), Taigor Public School, Jaipur, Rajasthan

2002

Higher Secondary School (82%), Taigor Public School, Jaipur, Rajasthan

PERSONAL DETAILS

- Date of birth – 26th April 1989
- Marital Status – Single
- Nationality – Indian
- Language known – Hindi, English
- Permanent Address – House No. 124/204, Agarwal Farm House, Thadi Market, Madhyam Marg, Mansarovar, Jaipur, Rajasthan (302020)

CAREER HIGHLIGHTS

- Enhance capacity of Silver Production from 600 MTPA to 800 MTPA in the year of 2019
 - Debottlenecking of Electrolytic cells capacity increases 2.7 MT to 3.240 MT per day.
 - Erection & Commissioning of 2 EMEW (Electro Metal Electro Wining) Cell's
- Increased Silver first pass yield from 80 % to 92 %
- Increased over all Silver Recovery from 96 % to 99%
- Achieved ever highest silver production 714 MT in the year of 2022-2023
- Developed value added products 1 Kg Silver Bar, Silver Powder & Silver Nitrate Crystals
- Internal auditor for VSAP (Vedanta Sustainability Assurance Programme), AO (Asset Optimization), Quality management, 5's system for PMP, HZL
- Quality champion for finished good
- Erection & Commissioning of Leaching & Purification, Hydro-III, DSC, HZL

ROLES & RESPONSIBILITIES

- Responsible for controlling a manpower of 100 contract employees and 15 of our company employees.
- Drafting SOPs (Standard operating procedure), revising them on regular basis and implementing by regular classroom as well as on field training to team.
- Conducting HIRA study, Job safety analysis, Risk assessment and maintaining safety & environmental practices.
- DuPont safety system
- Monthly production, target finalization and annual shut down planning.
- Daily Production MIS preparation and booking in SAP
- Process optimization
- Procurement planning of consumables and material management.
- Identifying and implementing various improvement projects on cost reduction, quality improvement and system enhancement.
- Daily monitoring of process parameters and maintaining them within specified limits.
- Metal accounting and Metal balance.
- SAP R/3 transactions
- PV audits and recovery calculations
- Fulfilling the customers requirement - Quality of the finished good

REFERENCES

Mr. Raj Maurya, Deputy Manager, PMP, HZL, Mobile No. (9068568353)
Mr. Shashank Joshi, Associate Manager, PMP, HZL, Mobile No. (7742610694)

Sensitivity: Public (C4)