**CURRICULUM VITAE**

**LALIT SHARMA**

**# 2545/1, SECTOR 44-C**, **CHANDIGARH (INDIA)**

**Mobile Number: +919888320798, +919041626528**

**Email:**[**87lalitsharma@gmail.com**](mailto:87lalitsharma@gmail.com)

**CAREER OBJECTIVE:**

Total Experience – 7+ years to accept challenging position in an organization where I may use my skills and experience for the progress of organization with Loyalty, Dedication and Hard work. Looking for a Challenging Job Where I can learn and be an expert in my field, and to be a positive influence that stays forever in the minds of the people around me.

**EDUCATIONAL QUALIFICATION:**

* Matriculation from Central Board of School Education 2004

**TECHNICAL QUALIFICATION:**

* Done three years Diploma in Mechanical Engineering from Chandigarh College of Engineering & Technology, Sector 26, Chandigarh in 2008 (Second Division)
* Bachelors of Technology (B.TECH) in Mechanical Engineering from Karnataka University, Distance (First Division)

**ACHIEVEMENT AND CERTIFICATIONS:**

* Auto Cad in 2D+3D versions from CADD CENTRE (SIN – M161164010), Chennai
* COMPRESS / PV Elite / Code Calc for Mechanical Designing of Pressure Vessels, Columns, Reactor and Heat Exchangers, Tower.
* HTRI for Heat Exchanger Thermal Design. And Indian Standards (IS).
* **PV Elite version 2005 to 2009 and MS Excel, MS Word & MS Projects.**
* Attended training and holding certificate on “Coded Pressure Vessel Design (ASME Section VIII Division-1)” by TUV NORD Academy.
* Six months Certificate Course in Refrigeration & Air Conditioning from C.C.E.T., Sector 26, Chandigarh.
* Six months Diploma in Computer Application from Sterlite Foundation from Sector 19, Chandigarh.
* National Cricket Played for Chandigarh District Level in 2005 - 2006 (Third Place).

**TOTAL EXPERIENCE: 7+ YEARS**

Areva Ltd (Brunel) as a Mechanical Engineer from 12-06-2011 to 27-02-2017.

**RELIANCE PROJECTS LTD - (MECHANICAL ENGINEER - PROJECTS)**

**Project Execution: SOLAR THERMAL POWER PROJECTS, ENERGY**

(1\*125 MW Reliance Solar Thermal Power Plant)

Concentrated Solar Power (CSP) installation of 250 MEGAWATT (MW) capacity.

Reduction of around 557,000 tonnes of CO2 emissions annually compared with a coal fired plant.

Solar Panels and Solar Steam Generator designed by:

Areva Solar

Siemens Turbine

Siemens Generator

**JOB PROFILE:**

**CORE COMPETENCIES**

* Strategy Planning / New Set-ups
* Energy Management
* Maintenance & Operations
* Erection & Commissioning
* Process Planning & Control
* Product Development
* Quality Assurance Compliance and HSE
* Pumps, Compressor And Turbine
* GE Frame 9 Gas/Steam Turbine,
* John Crane, Flow Serve ,Dry Seals, Dura Metallic
* Training & Development
* Breakdown Analysis and Liaison
* Standardization of Inventory Operations
* Budget, Procurement/Cost Management.

**JOB DESCRIPTIONS:**

* Monitor Technical Engineering Intern, Life Cycle Cost Repair and Equipment’s Data Sheets.
* Monitoring the administration in Plant & Equipment Section at site.
* Performed DPR for PV & **thermal** systems including all hand calculations.
* Major experience in renewable energy projects **Solar** and wind Installation, operation and Maintenance.
* Erection, commissioning and operation and maintenance of 33/220kv Substation and Coal **thermal.**
* Commissioning of Generator, Synchronization of generator and transformer.
* Preventive and scheduled maintenance of all mechanical equipment’s.
* Project closure activities like As-Built documentation, O&M Manual compilation, supplier claim management etc.
* Maintain quality work of **power** and control cabling and Earth mate at **plant**.
* Knowledge of detailed engineering of Power Plant systems such as Boiler, Turbine & BOP systems such as piping, fuel and ash handling systems, water treatment system, EOT Crane, Cooling water system, Cooling Tower, HVAC, firefighting system.
* Experience in preparing Project Technical Feasibility Reports, Detailed Project Reports (DPR), Project costing/estimation & Technical contract documents, Risk & Opportunity analysis, Evaluation of tenders, Bid Evaluation and Finalization.
* Proposal engineering activities like preparation of Techno-commercial EPC proposals, design calculations, Process data sheets, P&ID’s, Heat and Mass Balance Diagrams, Layouts and discussion with Owner/Owner’s Consultant for order finalization ¬ Management of ISO.
* Specializing in Emerging Concentrating Solar Power Technology & Solar Biomass Hybrid Power Plant with AREVA’s Compact Linear Fresnel Reflector (CLFR) Technology.
* **The Compact Linear Fresnel Reflector (CLFR) technology that uses reflected sunlight to heat liquid filled tubes that generate high pressure steam producing electricity via turbine.**
* Maintain quality work of string, cabling, CSP and PV module at **plant**.
* Installation Erection and Commissioning of all Static packages and Rotary machineries.
* Inspection or observation of Mechanical completion report and coordinating with commissioning team for pre commissioning activities. etc.
* Project execution, Project planning, Project scheduling, Solar panels and Installation.
* Maintain the backup data in reference to site report. Report to senior officials via daily report.
* Preparing Daily, monthly, yearly project progress report.

Maintain quality management system (QMS) and OHSAS implementation.

* Responsible for checking daily logs and preparing daily equipment report that help to determine proper operation of equipment.
* Handling the emergency **plant** operations situations like black outs and equipment tripping.
* Good Knowledge of SAP implementation and Usage in **Plant** for safe isolation of equipment’s for Permit to Work.
* Continuous interaction with other employees for knowledge enhancement and Good Team coordination activities.
* Adroit in performing design, development, testing, performance evaluation, economic analysis, project management and operation & maintenance for **Solar** Desalination, **Solar** Steam Cooking, Process Steam, PV roof top, On & off grid projects.
* 50 MW **Solar** **Thermal** **Power** **Plant** with Siemens SST-700 Steam Turbine.
* Instrumental in optimization of process, project management/ execution and site management of a **Power** **plant**.
* Creating **thermal** & **mechanical** design of various types of Energy generation, **Thermal** Energy Storage (TES) & Energy saving systems like boilers, steam turbines, alternators, gas turbine, cooling towers, evaporators, condensers, compressor, fans, and various pumps like BFP, CEP, cooling pump and HTF oil pump etc.
* Engaged in site assessment studies, contract management, resource assessment / energy yield assessment and design / engineering of **solar** PV / **solar** **thermal** **power** plants using software like PV system and SAM.
* Conducted erection and commissioning of rotary/ static equipment like Vessel, Heat exchangers, Pump & motors.
* Coordinated for project execution and site management, industrial process design and optimization of process.
* Engaged in **thermal** & **mechanical** design for various types of energy generation & energy saving systems like compressor, boilers, steam turbines, alternators, gas turbine, cooling towers, evaporators, condensers, compressor, fans, and various pumps like Boiler Feed Pump, Condensate Extraction Pumps, Cooling water pumps and HTF pumps etc.
* Underwent 5S Training from Here Quality Excellence Pvt. Ltd, in 2014.
* Module Mounting Structure (MMS) for roof top and ground mounted PV **power** project.
* Feasibility analysis of 2000 m3/day **Solar** Desalination Project.
* Knowledge, erection, fabrication and testing of Carbon Steel, SS, Alloy Steel & HDPE piping for water, steam and hydrocarbon oil (HTF) pipeline using ASME, ANSI, ASTM, AGA, API, AWWA, BS, ISO, DIN codes.
* **Solar** **Thermal** system design, Project Execution, Drawing Review, Project Management and Planning, **Solar** Field Erection and Commissioning, Managing Production of Assembly Line.
* Leading a young and enthusiastic team for the development of new and efficient **Solar** Systems to hybridize the PV & CST system ranging 120 C to 250 C for Industrial process steam use.
* Deft in overseeing **thermal** energy storage for existing CSP **plant** project activities i.e. technical specifications review, stage inspections, progress monitoring, site management and manpower planning.
* Skilled at **Power** **Plant** Erection and Commissioning, **Power** **Plant** Process Engineering and Structural FEA Analysis of different **solar** collectors
* Working knowledge in API and other International codes, standards with respect to rotating equipment including, Turbo Machinery, Pumps, Compressors, and Fin Fans.
* Working knowledge of pump / compressor performance curves and pump sizing and pump datasheets.
* A working knowledge of P&ID's and PFC diagrams, Isometrics, and engineering drawings.
* Working knowledge in Heat Ex changers, Piping Components, and Inspection techniques.

**SWARAJ MAHINDRA AND MAHINDRA LTD - (JUNIOR ENGINEER)**

* Swaraj Mahindra and Mahindra Limited farm Equipment Sector Swaraj Division Phase IV, Industrial Area, SAS Nagar, and Mohali (Punjab-160055). India as on Diploma Engineering Training  in Production department (Heavy Machine Shop), Quality Control Department,  TCC (Tools Control Cell Lab) From 06-09-2008 to 30-04-2011. It is ISO Certified from Ministry of India. They manufacture for Swaraj Mahindra and Mahindra, Tractors in India

**KEY RESULT AREAS:**

* To motivate the production people to manufacture Quality taking in account of customer requirement
* Managing Manpower in department under supervision of Managers
* Implementing Quality Management System and ensuring adherence to the same
* Ensuring compliance of various quality measures to the Company Standards
* Maintaining relevant documents and practicing quality standards with key emphasis on improving quality
* Working closely with the inspectors to reduce defects and improve the products quality
* Verifying that parts fit, move correctly and are properly lubricated
* Rejecting defective items outright or sending them for or correction Inspecting components and performing a final check on the finished products
* Calibrate gauges & various instruments in standards room
* Knowledge of making various Programs on TCC as per Quality Standards
* Knowledge of CNC Machine, Radial Drilling, SPM, Surface & Auto profile Grinding, Spring Mounting, Supply Chain Management, ISO 9001-2008, Compressors, etc
* Knowledge of Profile Projector, Verniear Caliper, Micrometer, Dial indicator, Height gauges, Snap gauges, Microscope Reading (10x,20x)
* Knowledge of Shop Floor Management, 8D Technology, Six Sigma, Lean Management etc

**PERSONAL DETAILS:**

* Father’s Name  :  Sh. Ram Nivas Sharma
* Sex    :  Male
* Nationality   :  Indian
* Marital Status  :  Unmarried
* Hobbies   :  Listening to Music, Playing Cricket, Travelling Driving
* Passport   :  Yes
* Languages Known  :English, Hindi and Punjabi
* Date of Birth :           06-02-1987