

# MADHUSUDAN LADHA

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## OBJECTIVE

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Experienced professional with 26 years worth of experience in Power Plant Operations; seeking to leverage the functional and behavioural competencies towards leadership roles.

## EDUCATION

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<b>Master of Science in Industrial Production &amp; Management</b>	2000
Birla Institute of Technology and Science, Pilani (BITS Pilani)	
<b>AMIE, Associate member of Institution of Engineers</b>	1994
<b>Boiler Operation Engineer &amp; Electrical supervisory</b>	2002

## WORK EXPERIENCE

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<b>Grasim Cellulosic Division, Vilayat - Power plant, Manager</b>	2012 - Present
<ul style="list-style-type: none"><li>• Gained expertise and implemented <b>SAP-PP, SAP-PM</b>, Management Information System (<b>MIS</b>) report generation in line with performance criteria of management, to create daily, weekly, and monthly reports. Thereby enhanced the understanding of the smooth and cost-effective running of the power plant.</li><li>• Implemented various safety standards and best practices concerning workplace safety and process safety (<b>Du Pont</b>).</li><li>• Implemented the <b>IMS</b> standards concerning Quality, Environment, Occupational Health and Safety.</li><li>• Liaison and management of annual boiler inspections, handling pollution control board requirements and issues, and other regulatory requirements.</li><li>• Acquired the knowledge of turbine Major Overhauling, by visiting Turbo engineering Services (<b>TES</b>) and Bharat Heavy Electricals Limited (<b>BHEL</b>) Hyderabad.</li><li>• Planning and supervision of turbine major overhauling activities: sand blasting, governing valve repairs, refining machining of rotor, guide blade carriers, steam glands, rotor testing (MPI, DPT), rotor hardness testing, low &amp; high speed multi plane rotor balancing. Thus resulting in increase of electrical load by <b>15%</b></li><li>• Monitoring and ensuring Boiler Water Chemistry &amp; Coal sampling and analysis activities</li><li>• Worked on improving and renovating the existing Electrostatic Precipitator (<b>ESP</b>) on all boilers, therefore reducing the fugitive emission below government norms.</li><li>• Supervised and lead 3x32MW EPC Project with 4x175TPH Thermax CFBC Boilers and 3x32MW BHEL TG sets (Double controlled extraction with condenser)</li><li>• Managed a team up to <b>40</b> people; built their competencies to handle shift operations independently.</li><li>• Skilled and adept in running the coal power plant in adverse situations - i.e. using 10 conveying belts, stacker, and reclaimer while working with contractual laborers without any operator.</li><li>• Erection and commissioning of coal handling plant with the coal capacity of 1 x 200 TPH with THERMAX team.</li><li>• Worked and cooperated with internal teams to improve the efficiency of boilers of the power plant by <b>5%</b> with the help of manual tracking</li><li>• Finalized and handled AMCs for ESP, Ash disposal, Coal handling operations etc.</li></ul>	

**Grasim Cellulosic Division, China -BJFCL Power plant, Deputy Manager**

2006 - 2012

- Innovated an idea for drying very high moisture coal by using a hot boiler bed drain mixed with coal in the rainy season, thus removing the need of stopping the power plant and process plants in an adverse situation.
- Worked on saving initial cost and minimizing break down of system by commissioning a crusher which eliminated the use of vibrating screen this further ensured smooth operation of the coal plant.
- Erection and commissioning of soft water system thereby eliminating the need for intermittent regeneration thus saving water by 5%.
- Erection and commissioning of 1x15MW Project with 2x75TPH CFBC Boilers and 15MW back pressure turbine
- Worked on operation and maintenance of 25TPH (3 CFBC Boilers) and prepared MIS reports on a daily, weekly, and monthly basis to provide transparency to higher management.
- Finalized and handled Annual Maintenance Contract (AMC) for Coal handling operations etc.

**Grasim Industries Limited Nagda - Power plant, Assistant Manager**

2002-2006

- Supervised the erection and commissioning of Mechanised Coal Handling Plant (MCHP), thereby removing the need of Manual coal unloading by truck. Thus increasing the safety of coal plant and subsequently reducing the running cost.
- Decommissioned the Pressure Reducing Desuperheating Station (PRDS) and replaced it with Topping Turbine (2.8 MW) while recovering the project cost in the span of 1.5 years.
- Involved in installation of Variable Frequency Drive (VFD) in equipment's such as DM Water pump, Boiler PA pump etc. that helped in power saving

**Grasim Industries Limited Nagda - Power plant, Engineer / Sr. Engineer**

1994-2002

- Oversaw the day to day operations of different types of Boilers such as Atmospheric Fluidised Bed Combustion (AFBC) and Pulverised Fuel (PF) and looked after various Turbine like Condensing Turbine (25MW and 40 MW) and Extraction-cum-Back pressure Turbine (16.5 MW)
- Matriculated successfully with Masters of Science in Industrial Production & Management from Birla Institute of Technology, Pilani via off campus education program

**SKILLS AND INTERESTS**


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<b>Functional Skills</b>	Sound experience and knowledge of all Power Plant Operations (aforementioned), good analytical & problem solving skills.
<b>Behavioural Skills</b>	Proactive, good team skills of co-operative engagement, good listening skills, integrity in all actions, able to strike the right balance between production and people, ability to motivate and bring out the best in people.
<b>Design Software</b>	Excel, Word and Power Point
<b>Languages</b>	English (Professional fluency), Hindi (Native fluency), Chinese (Professional fluency)