

## SANJIVANI JADHAV

Targeting assignments as **Process Design / Thermal Design Engineering** with a leading organization of repute in **Oil & Gas, Energy, Power sector** preferably in **India**

✉ sanjivanijadhav18@gmail.com

☎ +91- 8149292835



### CORE COMPETENCIES

Proposals Engineering



Project Execution



Design & Process Engineering



Client Relationship Management



Technical Documentation



Vendor Management



Preparation, Validation & Verification of design



Site Troubleshooting



Quality Assurance



### PROFILE SUMMARY

- ❏ **B.E. (Mechanical)** professional with **3 years Plus** of experience in Process Design & Proposals Engineering in Power boiler, Waste Heat Recovery System, Fired System, Waste Heat Recovery Boiler, Energy Saving Projects, Heating and Cooling Systems, Piping & Ducting Design, Techno-commercial Matters, Data Management across **thermal engineering industry**
- ❏ Currently associated with **Greens Power Equipment India Pvt Limited as Senior Engineer – Design & Proposals**
- ❏ Expertise in steering the creation of conceptual & schematic designs including P & ID, PFD, HMBD, GA and so on and interfacing with clients for approval of the same
- ❏ Expertise in using **HTRI Software** for thermal design of **Heat Exchangers**
- ❏ Possess knowledge of design codes such as **ASME SEC VIII –Div-I, TEMA** for Heat Exchangers & IBR for Boilers
- ❏ Strong capabilities in creating/ reading/ interpreting engineering drawings with proficiency in designing & developing new products in conformance to pre-defined technical specifications
- ❏ Exposure in preparing / maintaining process modules & following up design and development initiatives
- ❏ Excellent analytical, troubleshooting and interpersonal skills in driving quality enhancement and process improvement

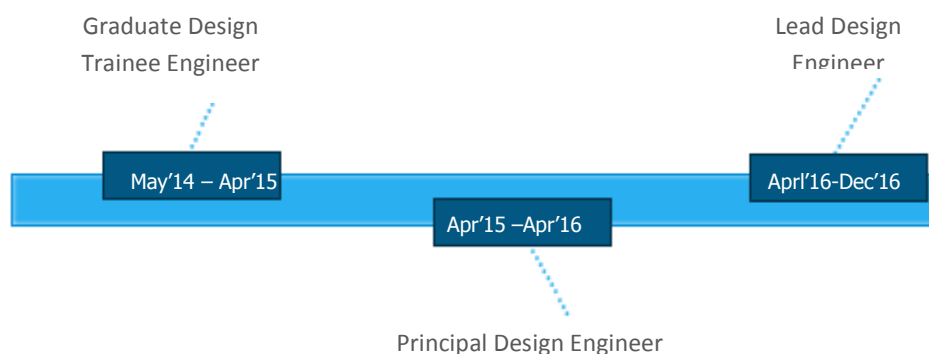


### IT SKILLS

- ❏ HTRI software
- ❏ V Ganapathy software,
- ❏ PV-Elite (2013)
- ❏ KED (Basic)
- ❏ CAD, PRO-E Wild Fire 5.0
- ❏ Microsoft Office/Excel



### CAREER TIMELINE (Growth path in ME Energy Pvt. Ltd.)



## EDUCATION

DEGREE/YEAR OF PASSING	COLLEGE/SCHOOL	UNIVERSITY/ BOARD	MARKS/GRADE
BE Mechanical 2013	M.I.T. Aurangabad	Dr. BAM University	69.41%
HSC (12th Grade) June 2009	H.S.C. Shivaji College, Barshi	Maharashtra State Board	69.50%
SSC (10th Grade) June 2007	S.S.C. Vijay High-School	Maharashtra State Board	79.38%

## WORK EXPERIENCE

**May'14 – Present with Greens Power Equipment India Pvt Limited ,Pune**

Department: Design & Process Engineering ; Proposals Engineering

Growth Path	Designation	Company
May'14 – Apr'15	Graduate Design Trainee Engineer	ME Energy Pvt. Ltd
Apr'15 –Apr'16	Principal Design Engineer	ME Energy Pvt. Ltd
Apr'16 – Dec'16	Lead Design Engineer	ME Energy Pvt. Ltd
Augusr'17 – Present	Design & Proposals Engineer	Greens Power Equipment India Ltd



## KEY RESULT AREAS

### Project Proposal Stage

- Mapping client/user requirements along and preparing proposal of concept report, system design, basic scheme with saving and payback calculation
- Heat, Mass balancing
- Preparing Process Flow Diagram and P&ID
- Preparing & checking of G.A. drawings,
- Equipment design and selection of bought out items
- Preparing competitive proposal with optimum design & Cost estimation.

### Project Execution Stage

- Reviewing purchase order received from client
- Administering the:
  - Thermal equipment design (HTRI) & metallurgy selection
  - Process Design Calculations
- Assessing inputs for the development of plant layout, foundation layout, equipment GA, piping layout
- Preparing equipment and bought out items data sheets for system
- Managing pump hydraulics, line sizing and process equipment sizing, power requirement of pump motor, head losses, fitting losses in piping , Draft loss and so on
- Generating various Technical documents like P & ID, PFD, HMBD, Datasheet, document index/ document transmitter, scope of supply, valve schedule, line schedule, insulation schedule, control philosophy, electrical load list, operational and maintenance manuals and so on
- Administering tender process for all technical waste heat recovery system, steam boiler projects & products
- Dealing with procurement related activities like release of enquiry specifications, vendor offer evaluation, technical recommendations and vendor drawings review
- Liasing & coordinating with vendor parties regarding live projects; checking & validating designs made by vendor parties and also to explaining the requirement of project
- Recognized for preparing control philosophy and providing interlock description of detail engineering of system by referring P&I
- Co-ordination with other groups like electrical and Instrumentation, Marketing, Quality, Project, and Manufacturing for smooth and timely execution of project.
- Formulating ISO documents of various projects for ISO Audit



## HIGHLIGHTS

- ➊ Directed the equipment thermal design and selection of bought out items like:
  - valves, Pump, motor, fan, burner, gas train, damper, expansion bellow, relief valves, control valves, electrical heater, dosing system, coal handling System, ash handling System, dust cleaning arrangement, chimney, various instrument and so on
- ➋ Successfully performed several calculations such as:
  - Heat mass balance calculations
  - Steam Generation Calculation
  - Power Calculation
  - Air & flue gas pressure drop calculations
  - Steam & water side pressure drop calculations
  - Headers, piping & ducting sizing calculations
  - Steam/Water/Fuel/Air requirement for different boiler processes and so on



## KNOWLEDGE PURVIEW/ PROJECTS HANDLED

- ➊ Waste Heat Recovery Systems  
Project Handled System:
  - Waste Heat Recovery Boilers
  - Heat Recovery Steam Generators
  - Hot Water Heat Recovery Unit
  - Thermic Fluid Heat Recovery Unit
  - Jacket Water Heat Recovery Unit
  - Heat Recovery From DG sets, Gas turbine, incinerator , process gas and so on
  - Heat Recovery from Glass Furnace
  - Heat Recovery from Cement Kiln
- ➋ Fired Systems  
Project Handled System:
  - Hot Air Generators ( Directly Fired & Indirectly Fired)
  - Hot Water Generators (Coil type, Shell, Tube Type and Immersion Type)
  - Thermic Fluid Heaters
- ➌ Heat Exchangers & Pressure vessels  
Project Handled System:
  - Shell & Tube Heat Exchangers (with Fixed Head, Floating Head, U Tubes, Kettle Type, all confirming to TEMA constructions )
  - Economizers
  - Air pre heaters
  - Air cooled heat exchangers
  - Radiators,
  - HP/ LP Heaters



## TRAININGS

- ➊ 6 months in plant training from AURANGABAD ELECTRICALS LTD.
- ➋ 1 Months in plant training from LOMBARDINI INDIA PVT. LTD.  
(I have learned how an industry runs. I am well acquainted with an industry and different departments in industry.)
- ➌ 15 days Visit+ Training at :  
MAHINDRA DEFENCE LTD. (palwal-Haryana),  
JCB INDIA LTD. (Ballabhgarh),  
JINDAL POWER PLANT (Okhla phase-3 New Delhi),  
ALPHA THERM LTD. (Sonapat).  
MAHINDRA & MAHINDRA Main service center



### EXTRA CURRICULAR

- Actively participated/Co-ordinated in each event in company.
- Ladies Representative of MESA for year 2011-2012 & 2012-13
- Organized Fashion Show in KALAVIHANGAM 2012.
- Participated and organized and own prizes in many other college level, state & national level events.



### HOBBIES

Photography, Dancing, Writing poems, Crafting, Trekking, Cycling, Visiting different places.



### PERSONAL DETAILS

Name	Sanjivani Vishwanath Jadhav
Date of Birth	18 <sup>th</sup> December 1991
Marital Status	Single
AT-Post	Chinchpur Tlq-Bhoom DIST-Osmanabad (Maharashtra) INDIA.
Contact No.	+91 8149292835
Email	<a href="mailto:Sanjivanijadhav18@gmail.com">Sanjivanijadhav18@gmail.com</a>

### DECLARATION

The above information submitted is true with best of my knowledge. If any incorrect information, I will be responsible for it.

**PLACE: PUNE**

**Sanjivani V. Jadhav**