



Saride sai babji
Room No: 227, new bachelor hostel,
ITC-LTD PSPD, Unit-Bhadrachalam,
SARAPAKA, KHAMMAM, TELANGANA-507128, INDIA.
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Scholastic Profile:

Bachelor of Technology (AMIE) in Mechanical Engineering from **Institution of Engineers India Kolkata**, affiliated to AICTE with **71 %** (distinction class) in DECEMBER 2017.

Passed Diploma in mechanical engineering from erstwhile Andhra Pradesh with **84 %** in the year 2013.

Pursuing Data Science course.

Certifications:

Certified Boiler Operation Engineer from erstwhile Telangana in 2019.

Certified Energy Auditor from Bureau of Energy Efficiency in 2019.

Awards achieved:

- Contributed in achieving “Early Bird (JH level 3 achievement)” Category award.
- Contributed in achieving “BEST DMT LEVEL 2” Category award.
- Contributed in achieving “BEST JH LEVEL 3 Sustenance Team” in utilities.

Employment History:

Possess total experience of **8.0** of experience in field of Energy & Utilities

. 1. Present Organization	:	RAMKY ENVIRO ENGINEERS LTD.
Product	:	WASTE TO ENERGY
Departments	:	Operations
Designation	:	Senior Assistant Manager
Period	:	15/06/2020 to till date.

Job Responsibilities handled in Ramky:

Commissioned 24MW waste to energy plant

- Having hands-on experience in operating WASTE TO ENERGY BOILERS with SUPCON DCS operation.
- Done commissioning of 65TPH 44ata 1200TPD WASTE TO ENERGY Boilers. And attended boiler shut downs and breakdowns periodically.
- Done commissioning of 24 MW extractions cum condensing turbine from HTC and commissioning of air cooled condenser.
- Done commissioning of MSW PIT and Grab Crane Operations.
- Done commissioning of FGCS in WASTE TO ENERGY Boilers.
- Done commissioning of WtE pushing Grate system.
- Daily monitoring of Waste pit Management and fuel analysis.
- Daily monitoring the boiler furnace condition, stack emissions and key process parameters and steam and water quality parameters and efficiency of boilers to meet the plant demand.

2. Previous Organization : ITC - PSPD.

Product : Specialty Papers, Paper Boards, Papers
Departments : Utilities,
Designation : Officer
Period : 10/06/2013 till date

Job Responsibilities handled in ITC:

- Having hands-on experience in operating AFBC BOILERS with ABB, YOKOGOWA DCS,PLC operation
- Done commissioning of 130TPH 62 ata Enmas AFBC boiler both underfeeding and over feeding. And attended boiler shut downs and breakdowns periodically.
- Done commissioning of 30 MW extractions cum condensing turbine from SNM and commissioning of cooling tower.
- Daily monitoring the boiler furnace condition, stack emissions and key process parameters and steam and water quality parameters and efficiency of boilers to meet the plant demand.
- Daily monitoring the turbine health and bearing vibrations and temperatures.
- Daily monitoring cooling towers operation and water quality parameters.

- Daily monitoring the DM water quality parameters and having knowledge on DM plant trouble shooting and regeneration and Ro plant operation and chemical flushing.
- Daily monitoring the coal plant operations and coal quality by checking proximate analysis from lab.
- Daily undertaking the shift maintenance jobs and emergency breakdowns
- Daily monitoring the safety in all working area and following work permit system for all maintenance activities.
- Successfully commissioned 220TPH 105 ata Thermax CFBC and TURBINE of 36mw capacity 105 ata (M/S Siemens make) and attended boiler shut downs and breakdowns periodically.
- Successfully commissioned 200 NM³/min at 6 bar pressure CENTAC centrifugal air compressor (M/S ATLAS COPCO Make).
- Complete supervision of power plant activities by guiding a team of engineers and operators of various skills.
- Planning production activities, maintenance schedules of power plant equipment.
- Handled major Mill Network Blackouts in emergency situation.

Some focused improvement projects completed successfully:

- **Reduction of Unburnt carbon in AFBC boilers by 10%:** Coal sizing controlled in CHPs, tertiary air replaced with hot air by cold air for increasing holding time in furnace. All these measures reduced unburnt carbon in boilers by 10% which was equivalent monetary saving of 80 lacs per annum.
- **Replacement of lobe blowers Usha make with Sulzer centrifugal high speed contact less shaft blower:** The lobe blowers were frequently getting failed leading to quality issues in Moving Bed Biological Reactor in ETP. They were replaced with high speed (10000 rpm) centrifugal blowers (with no bearing, i.e contact less) with less friction thereby led to saving of 183 kw per hour.
- **Provision of VFDs for CT Fan and CFBC Feed water pump:** Provision of VFDs for CT fan and Feed water pumps which vary the power based on temperature and drum level have resulted in saving of 250 kw per hour.
- **Reduction of Low Pressure steam consumption in Deaerators:** Waste heat recovery from hot condensate by using plate heat exchanger.

- **Reduction of Medium pressure steam consumption in HP heater:** Feed water temperature reducing through auto ESP inlet flue gas bypass control method.
- **Specific power consumption reduction in CENTAC:** Centrifugal air compressor outlet pressure set point reduced according to pressure drop of distribution headers.
- **Replacement of VAM chillers with screw compressor chillers:** overall energy consumption reduction.

Key Skills:

- Good communication skills between management and shop floor
- Effective utilization of man power and available resources.
- Capable of working in adverse conditions and can handle emergency situations.
- Capable to do work in different fields.
- Work with positive attitude, analyzing all kinds of situations with honest efforts.
- Fulfilling the specified task within its proper duration.
- Capable of doing shift activities in the TPM methodology to meet manufacturing excellence.

Equipment Handled:

2 nos 90 TPH & 1 no 130 TPH (M/s Enmas Andritz make) AFBC boilers, 1nos 90 TPH open bottom (M/s Thermax make) AFBC boiler, 220 TPH (M.s Thermax make) CFBC boiler.

- ❖ 21.5 MW, 18 MW (M/s BHEL Make) steam turbo generators with condensing, back pressure and extraction types, 21.5 MW and 14 MW (M/s Shin Nippon Machinery Make) steam turbo generators with condensing, back pressure and extraction types, 30MW (M/s Siemens make) back pressure cum extraction type steam turbo generators.
- ❖ 90,120,150& 200 TPH coal handling plants equipped with coal crushers, coal screens, belt conveyors of M/s Bevcon, M/s TRF and M/s McNally Barat, M/s Livell make.
- ❖ 200 M³/hr ion exchange plant (M/s Driplex make with Bayers resin), 300 M³/hr condensate polishing unit, 175 M³/hr Reverse osmosis plant.
- ❖ 85 NM³/min and 125 NM³/min at 6 bar pressure CENTAC centrifugal air compressor (M/s Ingersoll Rand make), PACE and SUMMITS refrigerated air dryers for instrument air.

❖ Chlorination plant.

IT skills:

Software exposure : MS OFFICE (Word, Excel, Power point), SAP
HRMS,PERFEX ,SQL,PYTHON ,R STUDIO.

Personal Profile:

Date of Birth : 23 JAN 1994.

Fathers Name : S.PANDU RANGA RAO (LATE)

Present Address : Room No227, ITC-PSPD, Sarapaka Village, Burgampahad
Mandal Khammam Dist, AP -507128.

Permanent Address : D.No9-78, Near devudamma kalyana mandapam (puntha), nagendra nagar
Tanuku, Andhra Pradesh-534211.

Marital Status : Unmarried.

Mobile : 9573531538

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Notice period : 1 Month

Current CTC : 7.0 per annum

Expected CTC : NEGOTIABLE

S.SAI BABJI