

Tharmaraju. JT

Qualifications

Competent person for inspecting & certifying boilers

(Certified by Central boiler board, India)

Certified energy auditor

(Certified by Bureau of energy efficiency, India)

Pursued PG diploma in thermal power plant engineering

Pursued Mechanical Engineering

A competent professional having 5+ years of experience in the field of power plant. Having basic knowledge in performing operational audit / shutdown audit /troubleshooting audit for a specific problem in AFBC / CFBC / PF/ Travelling grate boilers in thermal power plants.

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Present job profile

M/s. Venus energy audit system

Consultant engineer from Jan-2017 to present

In operational audit, by role is to :

Understand the operating philosophy of boiler
Measure O₂ levels in appropriate locations
Perform air ingress test
Test bed ash for bulk density & iron content
Identify passing valves & radiation loss
Identify the deviation in chemical dosage pattern
Prepare modification drawings in Autocad
Analys fan & pump power consumption
& much more ...

In shutdown audit, my role is to :

Inspect bed coil, waterwall for an abnormality
Inspect superheaters & reheater coils & headers
Inspect economiser coils, APH & flue gas duct
Make thickness measurement in all the requied areas
& much more ...

In waterwall panel erection, my role is to :

Plan for erection sequence
Check the dimensional accuracy of new panels
Ensure proper alignment of new panels in erection
Perform visual inspection in all the weld joints
Perform Dye penetrant test in required weld joints
Ensure the quality of refractory application work
Ensure whether the work is going as per schedule
Have to check & ensure whether all the associated works with respect to waterwall erection is completed

In bed coil fabrication, my role is to :

Check the test certificates with the available tubes
Do marking in tubes & headers for cutting & drilling
Make layout for bending of bed coil
Perform first of trial & check for actual dimensions
Check for % of ovality & thinning while bending
Ensure the proper alignment of tubes while inserting into respective headers

Some of the sites visited

For Shutdown audit ,

- 1.M/s. Taqa (PF boiler) , EL Jadida, Morocco
- 2.M/s. PT Indobharat rayon (AFBC boiler), Indonesia
3. M/s. Birla white cement (AFBC boiler) , Rajasthan
- 4.M/s. Century rayon (AFBC boiler), Maharashtra
- 5.M/s. ITC (AFBC boiler), Mettupalaym

For Operation audit ,

- 1.M/s. Adhunik cement (AFBC boiler), Meghalaya
- 2.M/s. Dalmia cement (CFBC boiler), Karnataka
- 3.M/s. Parrys sugar (AFBC boiler), Andhra pradesh
- 4.M/s. Merino industries (AFBC boiler),Uttar pradesh
- 5.M/s. Pasupathy Acrylon (CFBC boiler), Uttar pradesh

For Waterwall panel erection ,

1. ACC wadi , Karnataka

For Other audits ,

- 1.M/s. DCW, Tuticorin - AFBC boiler
For diagnosing waterwall failure
- 2.M/s. Asian paints - AFBC boiler
For diagnosing bed coil failure
- 3.M/s. Century rayon - WHRB
For diagnosing high carryover from steam drum
- 4.M/s. Century rayon - AFBC boiler
For diagnosing superheater distortion
- 5.M/s. Rengaraj ispat - CFBC boiler
For diagnosing boiler explosion
- 6.M/s. Asian paints - AFBC boiler
For carpent feeding in boiler
- 7.M/s. ITC , Mettupalayam - AFBC boiler
For possibility of paper sludge firing in boiler
- 8.M/s. Dalmia cement, Orissa - WHRB
For dignosing erosion failure in AQC boiler
- 9.M/s.Merino industries, Uttar pradesh
For deciding the capacity of new power plant

Previous work experience

M/s.Bava Erectors

Supervisor from April-2015 to Sep-2016
Thermal power station - II EXP - Neyveli
(2 x 250 MW CFBC boiler)

In the pressure parts maintenance, my role is to :

- Identify the tube leak in forced outages
- Plan for work execution with available team
- Complete the work in scheduled time
- Perform visual inspection in all the weld joints
- Perform DP test, if required
- Inspect all the pressure parts in shutdown
- Perform thickness measurement in required areas
- Identify the tubes to be replaced
- Plan for work execution with available team
- Complete the work in scheduled time
- Perform visual inspection in all the weld joints
- Perform DP test, if required

Supervisor from Sep-2014 to Mar-2015
Thermal power station - II - Neyveli
(7 x 210 MW PF boiler)

In the pressure parts maintenance, my role is to :

- Identify the tube leak in forced outages
- Plan for work execution with available team
- Complete the work in scheduled time
- Perform visual inspection in all the weld joints
- Perform DP test, if required
- Inspect all the pressure parts in shutdown
- Perform thickness measurement in required areas
- Identify the tubes to be replaced
- Plan for work execution with available team
- Complete the work in scheduled time
- Perform visual inspection in all the weld joints
- Perform DP test, if required

Certification

Completed NDT Level-II in PT,MPT,UT & RT

Project

Micro hybrid system in two wheelers

Educational Qualification

PG diploma in thermal power plant engineering (2013-2014)

National Power training institute, Neyveli

B.E.Mechanical engineering (2009-2013)

Tagore engineering college, Chennai

Cgpa - 7.8

H.S.C

Seventh Day Eden Matriculation Higher Secondary School, vadalur

Percentage - 86%

S.S.L.C

Seventh Day Eden Matriculation Higher Secondary School, vadalur

Percentage - 86%

Personal information

Date of birth	13/02/1992
Nationality	Indian
Gender	Male
Marital status	Unmarried
Address	24, Selliamman kovil street, Vadalur Cuddalore district - 607303

Declaration

Above furnished details are authentic to the best of my knowledge and having satisfied good exposure in all the above zones mentioned. I anticipate my experience will be considered for your kind perusal.

Yours truly,



(J.T.Tharmaraju)