



RESUME

SARAVANAPRASAD M
(Maintenance-Mechanical)
Experience – 10 Years

 saravanaprsd14@gmail.com
 9750549481

OBJECTIVE:

An ***Mechanical Engineering*** professional experienced in Maintenance of Various Machines in Power plant, Condition Monitoring, SAP, Erection and commissioning, Sub Contract Management and Execution to put forth my technical skills for the betterment of the organization.

EDUCATION:

B.E – Mechanical, April 2009 passed out from Dr. MCET, Pollachi, with aggregate of **71%** under Anna University.

H.S.C. – Vocational group Pass out April 2005 with **89 %** from PGHS, Pollachi.

S.S.L.C – Matriculation pass out March 2003 with **75%** from VMHS, Pollachi.

LANGUAGES KNOWN: Hindi (speak), English, Tamil, Malayalam (speak)

COMPUTER SKILLS: AutoCAD , Indice-ERP, Integra-CMS, SAP, MS-office 2011, Adobe Photoshop CS2.

WORK SUMMARY:

M/s Chemplast Sanmar Limited as a Joint Manager in Mechanical Maintenance from March 2015

M/s Hofincons Infotech and Industrial services Pvt Ltd as a Mechanical Maintenance engineer from Feb 2013 – March 2015

M/s Cethar Limited as a Senior Executive from May 2011 to Feb 2013.

M/s Bannariamman Sugars limited as a Probationary Engineer from July 2009 to May 2011.

RESPONSIBILITIES

- ❖ Maintenance of various equipment in 2*24.25 MW AFBC Boilers, Turbines, WTP,



AHP, CHP and BOP at M/s Chemplast Sanmar Limited, Mettur.

SUMMARY OF WORK EXPERIENCE:

M/s Chemplast Sanmar Limited

Job Profile: Joint Manager – Mechanical Maintenance

- ❖ Ensure 100 % Equipment availability and to prevent breakdown maintenance.
- ❖ Preventive maintenance and condition based maintenance of various equipment's in the Power plant.
- ❖ Implementing new improvement and modification jobs to enhance the plant.
- ❖ Shutdown jobs planning and execution of bed coil replacement of boilers every year and turbine overhauling once in every 3 years.
- ❖ Ensure the availability of spares and creating Purchase order through SAP and following up.
- ❖ Managing the contractors and passing the bills through service entry in SAP.
- ❖ Managing M&R, SMR funds and spending within the limits. Reducing and maintaining Nonmoving items in store within limits.
- ❖ Conducting training classes to the contractors on monthly basis.
- ❖ Maintaining ISO Documents, Monthly reports, Spares change history, Defect completion records and shutdown reports.

Improvement Jobs carried out:

Coal handling plant – Secondary screen mat was replaced without hot works by changing the mat holding fasteners.



Coal handling plant – Primary screen top and bottom deck frame was modified to increase the performance of screening mesh.

STG- Oil vapour extraction fans oil leak observed, so seal was modified.

Coal handling plant – Coal spillage was controlled in Bcn-1 conveyor by providing modified skirt board.

M/s Hofincons InfoTech and Industrial Services Pvt Ltd

Job profile: Mechanical Engineer- Plant Maintenance

- ❖ Give day to day technical support for breakdown diagnostics & repair, including risk and failure analysis to give 100 % equipment availability.
- ❖ Maintenance of Various Rotating and static Equipment's like Boiler Feed pumps, CEP Pumps, PA, SA, ID fans, CW Pumps, and Periodic Checking of Equipment's for avoiding breakdowns and recording vibrations and checking alignments.
- ❖ Carried out overhauling of 15 MW Impulse reaction turbine, Gearbox and alternator.
- ❖ Weekly recording of all rotating equipment's Running hours and preparing Schedule for oil, Oil filter, Air filter, Oil separator Etc.
- ❖ Monthly Carrying out Condition monitoring of Critical Equipments.
- ❖ Planning and carrying out plant shutdown Activities.
- ❖ Preparing check lists, SMP, JSA for all Equipment's.
- ❖ Maintaining and Recording ISO documents through Integra- Content Management system.
- ❖ Creating purchase request, maintaining stocks of spares through Indice-ERP
- ❖ Creating Awareness to Technicians about work safety and weekly conducting technical lectures about maintenance of equipments.



Projects

Maintenance 3 x 15 MW

M/s Chetnad Cement Corporation Limited, Ariyalur, TN

3 x 68 TPH AFBC Boiler, 86 Kg/cm² at 525 Deg C

Shut down Maintenance @ M/s Udupi Power Corporation Limited, K.A

2 X 600 MW, 2x2028 TPH PFBC Boiler, 175 Kg/cm² at 541 Deg C

Improvement Jobs carried out

- ❖ In Air Cooled Condenser providing Water spray at bottom side of the fans, thus increasing the Cooling effects and Vacuum will be stable at Lower Fan RPM, so Saving Nearly 1200 units per month.
- ❖ In FD Fans (VFD), Suction Damper has been removed, so Differential Pressure was reduced so at lower RPM we able to attain the sufficient air flow, thus saving nearly 1000 units per month.
- ❖ In Coal handling plant automatic Water spray has been provided for controlling of coal dust and discharge chutes are fitted with foot level switch in order to indicate coal jamming, thus reducing time and manpower costs.
- ❖ In fuel handing Dividing chute was fitted with pneumatic vibrator in order to reduce coal jamming and coating of powder coal and purging air from PA fan was given.

M/s Cethar Limited

Job Profile: Senior Executive

- ❖ Carried out various planning activities to run and complete the project in proper time.
- ❖ Analyzing drawings and materials during erection and preparing protocols.
- ❖ Managing the contractors and preparing bills for the erected parts.
- ❖ Carrying out IBR formalities and getting permission for erection of pressure parts.



- ❖ Fabrication of Ducts and others Materials for boilers columns and supports.
- ❖ Carried out erection of Steam drum, Deareator. IBR piping's like Main Steam line, Feed pump line, PRDS lines. Impulse line Etc.
- ❖ Checking of welding qualities and carrying out Radiography test and ultrasonic test for IBR Joints.
- ❖ Erection of Boiler Fans and Feed pumps and checking alignments.
- ❖ Carried out Hydro tests, slow firing, Alkali Boilout and Steam blow as per standard procedure.
- ❖ Commissioning of Boilers, ESP, Fans, and Pumps checking out thermal Expansions and Recording Vibration of Equipment's.
- ❖ Checking all Equipment's are Operating and controlled correctly Through DCS
- ❖ Checking the Three Element Control Valve settings, Trip Logics are correctly working and sequence of Trips are ensured.

Projects

Erection & commissioning, 6MW (July 12 to Feb 13)
M/s Nadhi Bio Products Pvt Ltd, Kurnool, AP.
25 TPH AFBC boilers, 45 Kg/Cm2 at 415 Deg C

Erection & commissioning, 15MW (June 11 to July 12)
M/s Greta Energy Limited, Chandrapur, MH.
70 TPH BFBC boilers, 87 Kg/Cm2 at 515 Deg C
M/s Bannariamman Sugars Limited.

Job Profile: Probationary Engineer

- ❖ Operation and maintenance of 25 MW bagasse and coal based cogeneration plant.



- ❖ Attended Erection of Backpressure turbine to condenser type turbine of 25 MW capacity.
- ❖ Well knowledge in DCS operation in Honeywell and Supcon.
- ❖ Preparing Daily power generation, water and fuel consumption and efficiency calculation report.
- ❖ Carrying out various maintenance activities of Boiler fans, conveyors, feed pumps and periodic checking to avoid breakdowns.
- ❖ Co-ordinate Erection of 120 TPH Travelling Grate boiler and Turbine of 25 MW in Thirukovilur, Villupuram district.

Projects

Operation and Maintenance, 25MW
M/s Bannari Amman Sugars Limited. TN
130 TPH travelling grate boiler, 102 Kg/Cm² at 545 Deg C

PERMANENT ADDRESS:

S/o N.Mayilswamy,
Ayyachallai, k.k pathy (PO),
Chittur (TK), Palakkad (DT),
Kerala – 678101

Date of Birth- 21st August 1987
Marital Status- Married

DECLARATION:

I hereby declare that all the above details are true and correct to the best of my knowledge.



Place: Mettur

Yours Faithfully,

A handwritten signature in blue ink, appearing to read 'M. Saravanaprasad', written over a horizontal line.

M.SARAVANAPRASAD

