



P.R.NAGARAJAN

Power Plant Professional in
Operation and Maintenance of CPP & WHR
Power Plants and Executing Power Projects,
Installation, Testing and Commissioning.



Profile Summary

Accomplished in Operation & Maintenance of CPP & WHR Power Plants From, 1999 to Till, 2021 Roles and responsibilities:

Achieving monthly, quarterly and annual targets for power generation.
Planning major shutdowns for preventive maintenance of power plant.
Ensuring achievement of optimum efficiencies of boilers, turbines and its auxiliaries. Operating and maintaining parameters as per OEM standards.
Ensuring the cost of power generation remains less than the cost of obtaining power from the grid and reviewing spare consumption patterns and ensuring adherence to quarterly R&M budgets without compromising on safety and environment aspects. Continuous improvement through audits and corrective action for energy and water conservation measures.

Plan, organize, coordinate, supervise and control the maintenance activities of the Power Plant. Work in close coordination with Operation, TS/Planning, Electrical, C&I and other departments of the plant to ensure smooth functioning. Effective implementation of Predictive & Preventive Maintenance schedules and adherence. Spare Parts planning and Inventory Management.

Headed & Involved in Operation & Maintenance of following Power Plants.

1x20 MW CPP with CFBC Boiler & 1x7.2MW WHRPP at JKLC, Durg, CG.

1x29.1 MW WHR Power Plant at J K Cement Works Mangrol, Rajasthan.

1x27 MW CPP with AFBC Boiler, site at Dalmia Cement (B) Ltd, Trichy.

1x63.75MW IPP with pulverized coal fired Boiler (275TPH) at TCP Limited.

1x35 MW WHR Power Plant at Gulf Cement Company, RAK, UAE.

1x12.17 MW WHRPP at Fujairah Cement Industries, Dibba, UAE.

Professional in Executing Power Projects of Installation, Testing & Commissioning From, 2007 to Till, 2021 Roles and Responsibilities:

Planning & Executing EPC Power Projects from concept to completion.
Participating in Kick off meetings for site execution packages Participate in review meetings with vendors monitoring physical progress of activities of sites Preparation of Daily, Weekly and Monthly progress reports Co-ordinating for requirements of drawings and supply materials. Co-ordinate for contractor billing for all service contractors Supports in finalization of L2 and L3 schedules Exposure to Primavera/MSP and other planning softwares.

Handled the following Turnkey/ EPC Power Projects.

1x20 MW CPP with CFBC Boiler at JKLC, Durg, CG.

1x29.1 MW WHR Power Plant at J K Cement Works Mangrol, Rajasthan.

1x30 MW WHR Power Plant at Shree Cement Limited, Kodla, Karnataka.

2x50 MW CPP with CFBC Boilers of Units: 7 & 8, 1x15 MW GPP2 & 1x10 MW GPP3 at Ras, Rajasthan and 1x18 MW GPP1 at Beawar, Rajasthan.

2x7.5MW WHRPP at Satna, 1x7.5MW - Chanderia, for Birla Corporation Ltd.

1x12 MW CPP at Raigarh, Chhattisgarh for Anjani Steels Limited.



Education

- **B.E (Mechanical Engineering-I.E)** from CEG, Anna University in 2004.
 - **D.M.E** from Murugappa Polytechnic, Avadi in 1993.
 - **Boiler Operation Engineer (BOE)** in 2007.
- IT Skills: M.S Office, Windows and internet Applications.



Contact



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Santhosh Nagar,
Kolathur, Chennai.
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Tamil Nadu, India.

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Core Competencies

- **Boiler Operation Engineer**
- **Operation & Maintenance of CPP and WHR Power Plants**
- **Specialized in Cement plant based WHR Power Projects and O&M**
- Project Management of CPP and WHR Power Projects
- Owner Consultant for Power Plants
- Basic & Detailed Design Engineering from concept to completion of Power Projects
- Erection and Commissioning of Power Projects
- Plant Performance Guarantee Test.
- Operational Excellence



Soft Skills

- Leadership
- Communicator
- Work Ethic
- Persuasion
- Adaptability
- Collaborator
- Problem-Solving



Equipments Handled

- **Pulverized Coal Fired Boilers, CFBC, AFBC, HRSG Boilers and Waste Heat Recovery AQC & PH/SP Boilers and its auxiliaries.**
- **Steam Turbines and its auxiliaries** with Air Cooled Condensers/Water Cooled Surface Condensers and Cooling Towers.
- **BOP Utilities**, Air Compressors, RO, DM Plants and Waste Water Treatment Plants.
- **Coal Handlin Plants and Ash Handling Plants** of Heavy ash and fly ash.



Work Experience

Present Experience: Working with **M/s LNV Technology Pvt. Ltd., Egmore, Chennai.**

A member of SINOMA Engineering International Group, China.

Since, Dec-2018 working as

In-charge of Power Plants - O&M and WHR & CPP Power Projects,

Operation and Maintenance of Waste Heat Recovery (WHR), coal based Captive Power Plants (CPP) and Executing following Power Projects for Installation, Testing & Commissioning.

1x29.1 MW WHR Power Plant at J K Cement Works Mangrol, Rajasthan.

1x30 MW WHR Power Plant at Shree Cement Limited, Kodla, Karnataka.

1x20 MW CPP with CFBC Boiler & 1x7.2MW WHRPP at JKLC, Durg, CG.

1x7.2 MW WHRPP at Bavya Cements Limited, Guntur Distt, A.P

1x16 MW WHRPP at UltraTech Cement Limited, Tadipatri, AP.

1x7.2 MW WHRPP at Jayajothi Cements Ltd, Maha Cement Group, AP.



Previous Experience

M/s Fujairah Cement Industries, Dibba, UAE

Oct-2015 to Nov-2018 as Power Plant O&M In-charge for

1x12.17MW Waste Heat Recovery Power Plant and 2x20MW Coal Based Thermal Power Plant for Energen Infra [M] Limited.

M/s Gulf Cement Company, Ras Al Khaimah, UAE

Mar-2013 to Sep-2015 as WHR & GT Power Plant In-charge for 1x35MW Waste Heat Recovery Power Plant with HRSG behind 26MW Gas Turbine with AQC, PH and CFBC Boilers.

M/s Holtec Consulting Private Limited, Gurgaon, India.

Aug-2011 to Feb-2013 as Manager-Consulting

For following Waste Heat Recovery Power Projects:

- o Union Cement Company - 1x15MW WHRPP at Ras Al Khaimah, UAE.
- o Najran Cement Company - 27.1MW WHRPP at Najran, KSA.

M/s Cethar Consulting Engineers (P) Ltd., Chennai, India.

Dec-2007 to Jul-2011 as Deputy Chief Engineer

Owner consultant for Engineering, BOP design & project coordination between EPC Contractor and Client for execution of following power projects:

- o Shree Cement Ltd. - 2x50 MW CPP with CFBC Boilers of Units: 7 & 8 1x15 MW GPP2 & 1x10 MW GPP3 at Ras, Rajasthan and 1x18 MW GPP1 at Beawar, Rajasthan.
- o Birla Corporation Ltd. - 2x7.5MW WHRPP at Satna, M.P.
- o Birla Corporation Ltd. - 1x7.5MW WHRPP at Chanderia, Rajasthan.
- o Anjani Steels Ltd. - 1x12 MW CPP at Raigarh, Chattisgarh.

M/s Desein Pvt. Ltd., New Delhi, India.

Feb-2005 to Nov-2007 as Deputy Manager (O&M)

1x27MW CPP with AFBC Boiler, site at Dalmia Cement (B) Ltd, Trichy.

M/s TCP Limited (Power Division), Gummidipoondi, TN.

Apr-1999 to Jan-2005 as Junior Engineer (O & M)

1x63.75MW IPP with pulverized coal fired Boiler (275TPH).

M/s POWER SYSTEMS, Chennai, India.

May-1998 to Apr-1999 as Shift In-Charge (O & M)

3x3.38MW HFO based MAN B&W Engines with WHR Boilers.

M/s Nova Dyeing & Printing Mills Ltd., Chennai, India.

Jan-1994 to Apr-1998 as Maintenance Supervisor for

Textile Dyeing, printing machineries, Package steam boilers and Thermic fluid heaters, utilities. Water Treatment and Effluent Treatment Plants.

[P.R.NAGARAJAN]



Career Timeline

Since, Dec-2018 with

M/s LNV Technology Pvt Ltd, Egmore, Chennai, India . Working as Assistant General Manager - Power Division

Oct-2015 to Dec-2018 with

Fujairah Cement Industries, Dibba, UAE. as Power Plant O&M In-charge for 1x12.17MW WHRPP and 2x20MW CPP

Mar-2013 to Sep-2015 with

Gulf Cement Company, Ras Al Khaimah, UAE Power Plant In-charge for 1x35MW WHR and 26MW Gas Turbine.

Aug-2011 to Feb-2013 with

Holtec Consulting Pvt Ltd, Gurgaon, India. as Manager - Consulting.

Dec-2007 to Jul-2011 with

Cethar Consulting Engineers (P) Ltd., Chennai, India. as Deputy Chief Engineer.

Feb-2005 to Nov-2007 with

Desein Pvt. Ltd., New Delhi. as Deputy Manager (O & M) - 1x27MW

Apr-1999 to Jan-2005 with

TCP Limited (Power Division), Gummidipoondi as Junior Engineer (O & M) - 1x63.75MW

May-1998 to Apr-1999 with

POWER SYSTEMS, Chennai, India. as Shift In-Charge (O & M) - 3x3.38MW MAN B&W HFO based Engines.

Jan-1994 to Apr-1998 with

Nova Dyeing & Printing Mills Ltd., Chennai. as Maintenance Supervisor.



Personal Details

Date of Birth:

05, January 1974

Languages Known:

English, Tamil, Telugu and Hindi.

Communication Address:

**Plot No.41, 5th Main Road,
Santhosh Nagar,
Kolathur, Chennai-600099.
Tamil Nadu, India.**

Having UAE International Driving License: