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| **Nilesh Sheshrao Deshmukh**  Mechanical Engineer, BE, NPTI (PGDC)  Thermal Power Plant Executive | +91 9960945865/ +91 9834408392  [ns.deshmukh@hotmail.com](mailto:ns.deshmukh@hotmail.com)  **Passport No.:** Z4342066 | **Date of Issue:** 26-Sep-17  **Present Location:** Bongaigaon, Assam – India  S/o Sau Sandhya & Shri Sheshrao Deshmukh, Akola 444002, Maharashtra | |
| | **Linguistic Abilities**: Marathi, Hindi and English | **Date of Birth**: 02-Jan- 1985 | **Marital Status**: Married | | | |
| * 13+ years’ experience in Combustion modification (Burner overhaul annual maintenance), Coal Mill, Air-Preheater (APH), Boiler pressure parts, burner management system erection, commissioning and maintenance, Boiler Circulating pump installation and commissioning, Boiler Restoration and repair, EPC Contractor Coordination, In-process Inspection, Site Management, Schedule Development, Health & Safety and Resource Coordination * Meritorious academic and professional record, achieving professional and organizational success in every endeavour; awarded with scholarship for performance in University Exams | | |
| **Plant Capacities:** 3x 250 MW, 2x 660MW, 2x 600MW, 3x 660MW and 4x 135MW Thermal Power Plant | | |
| **Significant Highlights:** | | |
| * Installed the modified low NOx burner nozzle (combustion modification) and repaired the burner tilt arrangement of Boiler during annual overhaul (2021). * Advised to EPC contractor to follow the chemical cleaning scheme, thereby avoiding acid cleaning chemical passage in to SH2 attemperator (P91 material), which was skipped during the temporary piping installation (2019). * Erection and Commissioning support of Anuppur- Unit #2 Coal mill – Completed 8 mill erection in 13 months and commissioned 7 mills in 9 months (2015 – 16). * Attended critical boiler tube leakage at the time of COD and completed the same to achieve full load before end of financial year 2015- 16. * Overhauled the Boiler circulation pump cartridge in record time of 3 days to put boiler back into operation (April- 2016). * Successfully executed drainable and non- drainable hydrotest of Anuppur Boiler U#2 in single attempt. Additionally, demonstrated Superheater and Reheater hydrotest simultaneously to IBR authorities (March- 2015). * Erection of Boiler #2 second pass girders with the help of tower crane and thereby releasing the 600 MT crawler crane 3 months before; saving rental expenses of crawler crane (Appreciation Certificate holder from Project head; August- 2013). * Visited various manufacturers for the review of the manufacturing, coordinated and solved the issues in consultation with the design consultant during overseas deputation for PMG related activities (2011). | | |
| **Professional Overview** | | **Strength** |
| * Proficient in managing priorities, developing a work schedule, monitoring progress towards goals, and tracking details/data/information/activities * Adept at handling boiler erection & commissioning activities involving resource planning, in-process inspection. * Knowledge of NDT activities like DPT, RT & Heating Processes * Preparation and review of MIS reports * Generation of monthly RA bills of Contractor and Client * Preparation and analysis of Planned v/s Actual Progress Chart (S- Curve) * Work Order Closure and MIS Generation | | * Team performance, * Self-driven, * Coordination with external/ internal department, * Technical guidance to workforce, * Ability to work in Multi-Cultural environment, * Well- built analytical and troubleshooting skills |
| **Employment Scan** | | |
| **Manager- Combustion Modification ▶ L&T – MHPS Boilers Pvt. Ltd. Since Mar 2020**  **Client**: 3x 250 MW Bongaigaon Thermal Power Plant Ltd., Assam (NTPC Subsidiary) | | |
| **Technical Advisor- Pressure Parts & Piping ▶ TUV Rheinland (India) Pvt. Ltd. Jun 2018 – Mar 2020**  **Client**: Hitachi Power Europe GmbH, Duisburg, Germany (HPE India Office)  **Principal Client**: 2x 660 MW Meja Urja Nigam Pvt. Ltd. (NTPC Subsidiary) | | |
| **Manager ▶Lanco InfraTech Limited (EPC- Thermal Division) Jan 2017 – Jun 2018**  **Deputy Manager ▶ Jan 2016 – Dec 2016**  **Assistant Manager ▶ Dec 2011 – Dec 2015**  **Client**: 2x 600 MW Hindustan Power (MBPMPL), Jaithari, Anuppur, MP | | |
| **Engineer ▶Talwandi Sabo Power Limited, Mansa, Punjab Jul 2010 – Dec 2011**  (3x 660 MW; Member of Vedanta Resources PLC.) | | |
| **Engineer (Operations) ▶Wardha Power Company Limited, Warora, Maharashtra Aug 2009 – Jun 2010**  (4x 135 MW; Group Company of KSK Energy Ventures Limited, Hyderabad) | | |

**Maintenance, Erection, Installation & Commissioning**

* Combustion Modification in existing boiler to control NOX emission as per the latest GOI guidelines.
  + Addition of over fire Air Port on all four corners, including its Hot SA duct.
  + Modification in corner water wall panel to accommodate over fire air port.
  + Replacement of air, oil and coal nozzles for all burners with modified low NOx nozzles.
* Technical Advisor for EPC Contractor at Meja Urja Nigam Pvt. Ltd. for SG Package.
* Erection of coal mill – Gearbox base plate and gearbox blue matching; alignment of gearbox, grinding table and carrier, roller and tie rod alignment, classifier erection and cone alignment. Lube oil and hydraulic oil piping and its skid erection. Acid pickling and oil line flushing. Motor and coupling installation – alignment. Bolting and torque tightening of classifier.
* Alignment of feeder with mill inlet pipe. Feeder belt tensioning and calibration in coordination with C&I personnel.
* Replacement of coal feeder scrapper chain.
* Seal air fan erection and alignment along with its piping.
* Anchoring Maintenance, Erection& commissioning activities to ensure completion of shutdown/ project within the time with effective resource utilization to maximize the output.
* Planning of periodic inspections to ensure smooth operation of Boiler/ erection schedule and pre-assembly of pressure parts, APH.
* Inspection of APH bearing and seal. Replacement of APH seal and seal setting at the time of annual shutdown.
* Preparation of boiler material record as per the drawings and initiate purchase of critical inventory.
* Maintenance of Burner management system, replacement of burner oil gun hoses and nozzles, Erection & Commissioning of burner management system and boiler house integral piping.
* Performing, Boiler Circulating pump installation, commissioning and maintenance as per the standard OEM procedures.
* Performing steam blowing for boiler pressure parts, Critical Piping and overseeing implementation of operation sequence for boiler light up (field), APH and fuel oil system on boiler floor.

**Project and Contract Management**

* Liaising work with IBR authorities for preparation and submission of necessary documentation at IBR Office, Bhopal, MP. Site IBR inspections for Boiler pressure parts.
* Accountable for inspection of incoming material as per standard & specifications, participating in review meeting with contractors and coordinating with PMO / OEM (Chinese) for site modification and related activities.
* Engaging contractor, manpower & machineries as per the compliance with relevant health & safety guidelines while maintaining harmonious & industrial relation environment on site.
* Ensuring effective site management and discipline in coordination with planning team for safe & timely execution of the boiler erection works.

**Career Commencement: GET (Energy), Alfa Laval (India) Limited, Pune (Sep 2007 – Aug 2008)**

* Entrusted with the accountability of conducting a study for detail enquiry or tender of the client and preparing out the detailed structure for the drawing; key clients included reputed EPC contractors (including government agencies) for Power plant.
* Engaged in selecting the Plate Heat Exchanger and Centrifugal Oil Separators as per the requirements, preparing the offer or quotation as per the standard format and detailing out the technical and commercial deviations for the quotations.
* Supported commissioning of the centrifuge, trail run at the customers’ site, explaining the O&M practices of the equipment to the customer.

**Academic & Credentials**

NPTI, P.G.D.C. (Thermal Power Plant) **▶**National Power Training Institute, Nagpur; secured 72.19% 2009

B.E. (Mechanical) **▶**S.S.G.M.C.E., Shegaon, S.G.B. Amravati University (Maharashtra State); secured 74.92% 2007

Class XII **▶**Shri Shivaji College of Arts, Comm. and Science, Akola (Maharashtra State Board); secured 87.83% 2003

Class X **▶**Mount Carmel High School, Akola, (Maharashtra State Board); secured 80.93% 2001

**Computer Skills**: Proficient in MS Office and Internet Applications

**~ I hereby declare that all the information provided by me is factual & correct to the best of my knowledge & belief ~**