**CURRICULUM VITAE**

**ARVINDKUMAR MODI**  **Address:-**

Hindalco industries ltd,

E-mail:-**arvindkumarmodi@gmail.com** hirakud, sambhalpur

**Contact no-** (09575304218) Orissa.

**OBJECTIVE:-**

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#### “To seek a position where my skills and experience can be fully utilized

#### While gaining new experience and knowledge.”

#### DETAILS OF PROFESSIONAL EXPERIENCE:

(**15 years’ experience in thermal power plant OPERATION, COMMISSIONING, AND TECHNICAL SERVICES AND PERFORMANCE MONITIORING OF PLANT**

#### DETAILS OF PROFESSIOENAL EXPERIENCE:

**HINDALCO INDUSTRIES LIMIED (HIRAKUD ORISSA**)

(Internal transfer from Mahan unit to hirakud unit (16 June 2020 to continue)

* Having **CFBC boiler of ThyssenKrupp cold cyclone**, water tube, natural circulation and steam generation capacity is 155 tph, 86kg/cm2, 520 deg temp.
* Having turbine of **Siemen’s make (ST5 V63-C550 model**) 100 mw ,condensing with four uncontrolled extraction
* Working as a Deputy Manager in **Technical cell planning** and **performance monitoring** department.

**Job Responsibilities**:--

* CBM of rotary equipment like pump, fan, compressor (CAC, SCREW & RECIPROCATING) & Steam Turbine.(**spm and vibration instrument A-30, Leonova infinity, and Leonovo diamond model)**
* Break-down analysis of rotary equipment with the help of spm and vibration reading history
* Performance improvement in auxiliary power consumption of equipment’s (ID, PA, SA) by Flue-gas analysis of boiler like-O2, CO, CO2 etc. & calculation air ingress quantity from atmosphere to our close system.(**optima 7 ,flue gas analyzer instrument**)
* Ensured Inspection of Boilers Pressure Parts during Planned & Forced Shutdown of Boilers with

Proper Safety.

* . Ensured 100% Availability of all Tube Thickness Measuring Instruments during Statutory

Overhauling s of Boilers**. (Ultrasound thickness meter of meghasonic and Olympus make**)

* Maintained history of Tube Thickness Inspection Reports, Rectifications done against tube thickness inspections & boilers outage reports on account of tube leakages to define wear & tear pattern
* Ensured NIL Breakdown / failures in measured tubes during statutory overhauling of boilers.
* Independently operate the Ultrasonic flow measurement, thermography of boiler insulation and sound intensity of the peripheral area of noise producing machines.

***(Ue* ultrasound meter, testo thermography meter**)

Executed the Monthly PG Tests of Boilers, TGs, Condensers, Cooling Towers Air Flow Measurements, Flow Measurements of Pumps, Thermography of Boilers, TG, MS Lines, Leakages in Compressed Air Networks, Steam, Water Networks, CHP Energy Audits etc. Mapping Boiler Wise, Fan Wise, Equipment Wise Specific Energy Cons details, Voltage Profile, and SP Energy Cons thereby identifying the areas for improvement.

Familiar to operate **stroboscope or tachometer** (**fluke make**) for measuring the RPM of electrical appliance and analysis their performance and efficiency.

1. **HINDALCO INDUSTRIES LTD**  **( 900MW, 150X6**) **SUB-CRITICAL POWER**

**PROJECT (MAHAN, SINGRAULI, and M.P) from 24/08/2011 to 16th june2020)**

* + **Having Boiler of BHEL, PF fired,510 TPH, 140 kg/cm2 ,540 deg cent**

**Sub- critical with reheater, Tangential firing, water wall Tube, natural circulation.**

* + **Having Turbine of** – **BHEL make, 150MW Condensing with extraction**
  + **Working as an Assistant. Manager(COMMISSIONING AND OPERATION)**
  + **JOB RESPONSIBILITIES**

1. **Preparation and ensure the safety measures during operation activities.**
2. **Preparation and Co-ordination for Hydro test, Light-up, Steam blowing activities.**
3. **Assisting in Various operation and commissioning activities such as Interlock Test, Motor Solo Test, and Air balance Test, and Initial oil firing.**
4. **Making a Daily operation report and work progress report.**
5. **Reviewing operation Procedures of Plant Subsystems and Plant Start-Up and**

**Shut- Down as per SQC, FSSS Logics**

1. **Familiar to operate boiler through DCS (MAX DNA and Siemens) in grid failure condition, load reduction, and hp/lp bypass operation.**
2. **Coordinating with process Design team for better process control.**
3. **Coordinate and routine check up of DM plant water chemistry**
4. **Familiar to handle the vendors, AMC contract, preparing of MIS report, material handling with logistic regarding coal stock, coal blending, and chp activities.**
5. **Good command over operation and maintenance of CHP, and wagon tipplers also**.

**2. DOOSAN POWER SYSTEM LTD.**  **(4000 MW, 800X5**)**ULTRA MEGA POWER**

**PROJECT (CGPL MUNDRA GUJARAT) from 05/02/2009 to 28/04/2011**

* + **Having Boiler of DOOSAN, PF fired,2465 TPH, 256 kg/cm2 ,569 deg cent**

**Super critical, Tangential firing, water wall SPIRAL& vertical Tube, Once through circulation.**

**(WET AND DRY MODE OPERATION)**

* + **Having Turbine of** – **TOSHIBA make, 800MW Condensing with extraction**
  + **Worked as an SR. Engineer (COMMISSIONING and OPERATION.)**

**JOB RESPONSIBILITIES : ---**

**1. Initial operation of boiler equipment’s (fans, motors pumps)**

**From field and through DCS of FOX PRO.**

**2. Operation of boiler during steam blowing. And HP/LP bypass.**

**3. Assisting in various commissioning activities such as hydraulic**

**Test, chemical cleaning, interlock test, motor solo test, air**

**Balance test and initial oil firing, steam blowing and coal firing.**

**4. Commissioning and Operation of fuel oil pump house (LDO&HFO) and its routine**

**And preventive maintenance.**

**5. Commissioning and Operation of Boiler recirculation pump.(WET MODE).**

**6. Commissioning and operation of Regenerative Air pre heater and bowl mill (XRP -**

**1163).**

**7. Making daily commissioning report and work progress report.**

**8. Making test reports and analyzing test data.**

**3. HEG LTD (LNJ BHILWARA GROUP) (**from 6 JAN 2007 to 30 JAN 2009)

* **Having Boiler of** **ThyssenKrupp CFBC, 2x140 TPH, 66 ATA, 485 +-5 temp**, **cold cyclone, water wall tube, and natural circulation.**
* **Having Turbine of** – **BHEL MAKE 33x1 MW and 31x1MW, condensing. with Extraction**
* **WORKED AS AN ASST. ENGINEER (DCS OPERATION BOILER AND TURBINE), ABB AND YOKOGAWA.**

**JOBS RESPONSIBILITY : ------**

**1) Worked as a DCS operation engineer to operate, yokogawa CS**

**3000**. **System.**

**2) Boiler light-up and Turbine rolling** like **cold & hot start-up**

**3**) **Familiar for the operation of** **high pressure condensing turbine**

**Latest Woodward 505e electronic governor, turbine rolling,**

**Synchronizing With grid and turbine loading**

**4) Familiar in the operation of boiler steam battery line up.**

**5) OPERATE Latest ASH conveying system through ESP of 4 fields**

**System.**

**6) Operation of Cooling Water System and Cooling Tower Fans.**

**7) To calculate boiler and turbine efficiency.**

**8) Regularly check DM water quality and Consumption**

**9) To issue any work permit for attending maintenance activity.**

**EDUCATION QUALIFICATION:-**

* + **Done BOE certification form bokaro board in 2016.**
  + **Done NPTI from New Delhi, badapur in 2006-7.( 68%)**
* **4 year Regular Bachelor of Engineering in Mechanical (BIT)** **from Birsa** **institute of technology, sindri , vinoba Bhave University with first div 67.4 % in 2002- 2005.**
* **10+2 from Govt. Boys Sr. Sec. School, Haryana in 1997 with first div 72%..**
* **10 Th (CBSE) from Kendriya Vidyalaya, New Delhi in 1995.**

##### COMPUTER SKILLS

##### Internet working knowledge, PREPAIRING MIS REPORT, PR, PO, Billing of vendors, handle CAMC contract, vendor selection AND WORK PERMIT REPORT.

* **Basic knowledge of oracle erp and power point presentation for MPR.**

**PERSONAL PROFILE**:

**1) Father name : Shri Jai prakash Modi.**

**2) Date of birth : 23 dec 1980.**

**3) Sex : male (married)**

**4) Nationality : Indian.**

**5) Expectation : Negotiable.**

**6) NOTICE PERIOD: 3 MONTHS**

**Hello-contact : (09575304218)**

**I hear by declare that the information furnished above is true to the best of my knowledge.**

**Date & place: -** (**ARVINDKUMAR MODI**)

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