**ASHOK KUMAR CHANDNA**  ****

Permanent Address: - Near Dinesh Cloth Corner Saketpura, Kota. Rajasthan .India (324008)

Present Address: - Flat.No- 101, Bhavya Residency, Mayur Park, Behind Mehul Cinemax

Jamnagar, Gujarat 361007

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POWER PLANT & UTILITY PROFESSIONAL

*Proven expertise in the implementation of best operation and maintenance practices in Power Plants*

**Seeking Career Augmentation in Operations Planning & Maintenance involving Machinery Maintenance, Quality Assurance, Man Management, and Technical Support with a reputed Manufacturing Unit.**

**PROFESSIONAL ABRIDGEMENT**

* I have First class regular diploma in Mechanical Engineering (1994) from the board of technical education Jodhpur,) with more than 26 years of rich experience in power & utility operations and commissioning of the power plant.
* Currently working as Utility Area Manager in Dangote industries limited, Lekki, Lagos Nigeria. Here I am heading of Utility section in world largest fertilizer plant. I am fully responsible to uninterrupted supply of steam, power, air, water, nitrogen to downstream plants in efficient manner. Man machine & material safety and reliability of equipment’s and run plant in efficient manner is prime motive.
* I was worked as DGM ( shift in-charge) CPP with **Nayara Energy limited formerly known as Essar Oil Refinery Vadinar**, Jamnagar, Gujarat,
* I have successfully commissioned 3 x105 MW steam turbine SIEMENS make, 2x125 MW frame 9E GE make Gas turbine, 2x315 TPH HRSG 2x750 TPH coal-fired PF boilers, currently I am working with in.
* As a Shift in charge of 600 MW power plant, I am fully responsible for startup shutdown trouble-free operation of steam turbines, Gas turbines, Oil & gas fired boilers, Waste heat boilers (HRSG), PF boilers, coal & Ash Handling system, utilities operation & emergency handling and decision making during an emergency condition. Also associated with operations, of deaerators and feed pumps, DM plant, water treatment plant, Desalination, Cooling water treatment, inert gas generation, instrument & service air generation, effluent treatment, fuel handling system, costs effective operation, monitoring machine health, manpower handling, building relations with maintenance people and preparing MIS report etc, and follow-up Health safety Environment policy, Energy management policy with high safety standard(DO-PONT safety ),Mock drills, work permit system, MOC ,Process safety management Hazop study ,Root cause analysis ,closer of all RCA & shift operators training & development.
* Good working experience of DCS operation of Yokogawa, ABB, Honeywell & Foxboro.
* Emergency handling during critical plant condition.
* Good knowledge of water chemistry and various water treatment, (boiler feed water, cooling water, DM water, drinking water etc.)
* Monitoring plant performance parameters, daily boiler efficiency, Turbine heat rate & Aux power consumption.
* Various work permits and follow strictly follow work permit system, task base risk analysis for all critical jobs.
* Provide to all support to shit operation for resolve any kind of abnormality.
* Responsible of automatic operation of turbines and boilers with minimum manual intervention.
* Daily analysis of Critical Parameters of GT, STG, Boilers, BOP, utilities and, deviations report to management and resolve issues in primary stages.
* Safe handing over equipment to maintenance for preventive, breakdown without affecting normal plant operation.
* Assisting in the entire service/ maintenance function & coordinating with the team for providing proactive maintenance solutions.
* Tracking daily complaints, ensuring proper manpower and route planning to ensure lesser response time and faster speed of service.
* Identifying areas of improvement & recommending process modifications to enhance efficiencies.
* Analyzing the nature of faults and take follow up actions to provide quality feedback of the product from the field.
* Prepared plant SOP & checklist for smooth operation.
* Monitoring of plant performance parameters to achieve the maximum output, cost-effectively& Zero breakdown.
* Maintaining best housekeeping practice.
* A keen planner, strategist and implementer with the capability to oversee smooth operations in the entire plant and ensuring ISO-14001/ ISO-9001,OHSAS 18001 ,EnMS 50001 implementation, observation.
* An effective communicator with excellent relationship, management skills and strong analytical, problem-solving and organizational abilities.
* Also was associated with **Reliance Industries Ltd Jamnagar Gujarat**. (Mukesh Dhirubhai Ambani Group) As Control room Engineer. Demonstrated abilities in 450 MW Modern Gas based combined cycle captive power plant. I was operating frame 5 mark VI control 9x30 MW gas turbine, 15x125 TPH high-pressure boilers total 1875 TPH steam and 6x30 MW steam turbines & fuel handling (HSD, LCO, HFO, NG, Naphtha)
* Also was associated with **Chambal Fertilizers & Chemicals Ltd. Kota** (K.K. Birla Group) as Technical Coordinator, demonstrated abilities in Steam Power Generation & Utilities Section. demonstrated abilities in 2X25MW gas turbine mark-IV control system,2X80 tph HRSG,2X80 tph Oil & gas fired boilers and Utilities ( Water treatment, DM plant, Cooling towers, fuel handling (NG,Naptha,Diesel etc), BOP, Effluent handling IAPA, IGG etc)
* Total 24 years’ experience out of 12 Years of refinery working experience in India’s largest refineries Reliance & Essar oil and 12 years in fertilizer.

**COMMISSIONING EXPERIENCE**

* I am involved in commissioning and operation of 3X200 tph gas fired boilers, 3X41 MW GE make steam turbine,DM plant, Water treatment, cooling tower, inert gas generation Plant air , Instrument air system in Dangote industries limited.
* I have successfully commissioned 2X125 MW GE MAKE FRAME-9E gas turbine, 2X 315 TPH HRSG, 3 x105 MW steam turbine SIEMENS make, 2x750 TPH coal-fired PF boilers.
* Strong capability of Detail commissioning activities of Boiler, steam turbine, Gas turbine, HRSG, BOP, and pipe line Including Hydro testing of lines and vessels, Chemical cleaning of lines, boilers and vessels as per recommended, Water flushing, card board blasting, Loop checking, logic checking, lube oil flushing, alkali boil out of boilers / HRSG.
* Checking all erecting as per GA and punch point prepared and follow up for closer.
* Daily commissioning report preparing and planning for next day activities and
* Plan, direct, and coordinates activities of designated project to ensure that goals or objectives of project are accomplished within the prescribed time frame and funding parameters.
* Review project proposal or plan to determine time frames, funding limitations procedures and quality parameters for accomplishing project, manpower requirement, and allocation of available resources for the various phase of project.
* Develop systematic approach for each phase of project, and arranges for assignment of project personnel.
* Lead with project staff to define work plan and to assign duties, responsibilities, and scope of authority.
* Directs change management and contract variation control, identifies and confirms variations, and submits detailed change valuation.
* Good knowledge of water chemistry and various water treatment, (boiler feed water, cooling water, DM water, drinking water etc.)
* Demonstrated ability of project team leader, successfully handled erecting & commissioning of steam Turbine 3X 105 MW Siemens make,2X 125 MW GE gas trbine,2X315 TPH HRSG in Essar.
* Siemens make Turbine governing system up-gradation project handled.
* Demonstrated ability of project team leader Coal stockyard 2 Lakh MT handled with all associated equipment and safety system.

**ORGANIZATIONAL HIGHLIGHTS**

* **Since August 2010 in Nayara energy (Essar Power Limited)** *An ISO 14001 Certified Company.*

***The Growth Path***

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| --- | --- |
| May’95-Jun’07 | Technical Coordinator in **Chambal Fertilizers & Chemicals Ltd. (K.K. Birla Group)** |
| Jun’07–Aug’10 | Control Room Engineer in **Reliance Industries Ltd.** (450 MW) |
| Aug’10-March 2020 | DGM in **Nayara Energy Limited,** formerly known as **Essar Oil Limited**,Vadinar, Jamnagar, Gujarat(600MW) |
| October 2020- continue | Area Manager of Utility in Dangote Industries limited Lagos , Nigeria. |

**Dangote fertilsers Area Manager:** Working Experience in Dangote Industries limited Lagos, Nigeria.

Area manager of Utility section of world largest fertilizer plant. I am leading the utility plant and responsible for commissioning and operation of Utility which consist 3X 200 tph boilers, 3X 41MW steam turbines, 90,000 M3 circulation cooling tower, 12000M3 plant air / instrument air system, 1500M3/Hr inert gas generation plant, effluent handling, fuel handling, flare system, Water treatment plant. Plant efficiency and safety reliability, competency mapping, process safety of equipment’s and many more.

**Nayara Energy, (Unit in Essar Oil Limited Vadinar), Jamnagar Gujarat.**

Shift in charge of the 600MW power plant where I am fully responsible for equipment availability, maintaining efficiency higher side, uninterrupted power, steam and water supply to downstream costumers.

* 3x105MW steam turbine SIEMENS make with double extraction cum condensing.
* 2x38.5 MW steam turbine with single extraction cum condensing MHI make.
* 3x175 tph Aux boilers with duel fired oil/gas.
* 2x750 TPH BOILER 105 kg/cm2, 537°C.Thremax make coal fired boiler with 100% oil supported)
* 2x125 MW Gas turbine farme9 mark VI control system (GE make)
* 2x315 waste heat boiler HRSG BHEL make duel drum with aux firing oil/gas.
* Project commissioning of 3x105 MW steam turbine.2X125 MW Gas turbine,2X315 TPH HRSG.
* Project of Turbine governing system up gradation.

**Operational Experience in Reliance --**

* 9x125 Tph, HRSG Pressure 112 kg/cm2, Temp. 515°C.
* 9X30 MW Gas turbine (GE make)
* 6X125 Tph Auxiliary boilers (Liquid/ gas fired)
* 6X30 MW steam turbines double extraction cum condensing ( GHH Borsig)
* 7 dearators & 17 boiler feed pumps & 7 Nos. steam pressure range varies from 110kg/cm2 to 5kg/cm2
* Fuel handling ( HSD, naptha, NG & RFG)

**Utility operational Experience-**

**DEMINERALISATION PLANT**- De-mineralize Stream -3x100 M3/Hr.; Mixed Bed Stream - 8x170 M3/Hr.; Process Condensate Polishing Unit - 4x120 M3/Hr.; Turbine Condensate Polishing Unit-6x150 M3/hr.

**WATER PRE-TREATMENT PLANT**- Two clarifiers and a TUBE SETTLER, PAC dosing/ Alum dosing system, Gravity sand Filters capacity 8x400 M3/hr.

**PNEUMATIC AIR COMPRESSORS**- Capacity 2x3000 M3 /Hr. Three stage, Centrifugal Type, and Reciprocating type 1x1000 M3/hr.

**FUEL HANDLING SYSTEM—**Natural gas, refined fuel gas handling, Naphtha, LCO loading /unloading and storage system. With Fire protection system.

**COOLING TOWER**— Cross airflow and induced draft with NALCO\CHEMBOND treatment 2x30000 M3/hr circulation flow.

**NITROGEN \ CRYOGENIC PLANT**–Distillation column type with maximum production of 1500Nm3\hr gaseous N2 or 148 L in liquid form.

**EFFULENT TREATMENT-**500 MT daily waste water treatment and supply to green belt.

**WATER CHEMISTRY-** maintain various water & steam parameters as per specified. Steam water balance calculation and daily MIS preparation.

**ALARM MANAGEMENT SYSTEM-** Reduction in alarm is better for operation, daily alarm monitoring and optimize.

**SOP PREPRATION-** I have prepared all SOP of power plant for operation.

**Suggestion / Awards**

* Award for Suggestion Under “Staff Suggestion Scheme” By Our Vice President (Operation) For Suggestion “Increase the Conductivity Meter Range of Condensate Polishing Unit Outlet.” This Suggestion Helped in System Improvement and Saving of Chemicals and DM Water make up.
* Power shine award in Essar for steam turbine stabilization with extraction header pressure control.
* Star fish award in Essar for root cause analysis for CEP pumps frequent startup failure.

**EDUCATIONAL CREDENTIALS**

* First Class diploma in Mechanical Engineering from Board of technical Education Jodhpur, Rajasthan in 1994.(regular)
* First Class Boiler Competency Certificate-2006 (Inspectorate of Boilers & Factories, Govt. of Rajasthan).

**IT SKILLS**

Operating Systems/Language : Basics MS Office, Windows 10, Aspen

SAP (Production Module) : Electronic management of all the equipment / Material management

ESS : Employee Self-service portal, Success factor

**PERSONAL INFORMATION:**

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| Date of Birth | 28th May 1973 |
| Valid Indian Passport | T1566289, Expire date 01-01-2029 |
| Family | Mother, Spouse, Son (22 years), Daughter (19 years) |
| Name in Passport | Ashok Kumar |
| Notice Period | 30 days |
| Current CTC | 4000 USD + 1.36 Lakh Local currency |
| Expected CTC | Negotiable |
| Nearest Airport | Jaipur ( Rajasthan) |
| Skype ID | Ashok Kumar Chandna |

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