

Imran Nawaz | 15 YOY

National Power UK | GDF Suez | KAPCO IPP (1600 MW CCPP)

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Location: KAPCO, Multan, Punjab Pakistan.

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Positions/Career Roles

- ▶ Shift Manager (operations)
- ▶ Senior Shift Engineer (ops)
- ▶ Shift charge Engineer (ops)
- ▶ Shift Engineer (ops)
- ▶ Project Engineer (I&C)

Personal Dossier

- ▶ **Date of Birth:** 10/03/1983
- ▶ **Nationality:** Pakistan
- ▶ **Marital Status:** Married
- ▶ **Languages:** English, Urdu, Arabic (beginner).
- ▶ **Traveling History:** Turkey, France, Spain and Italy

Education

- ▶ **Electrical Engineering:** 2003 to 2007 UCE&T BZU Multan (Percentage 82.5%)
- ▶ **F.Sc. Pre-Engineering:** 1999 to 2000 BISE DG.KHAN (Percentage 78.5%)
- ▶ **Matriculation:** 1999 to 2000 BISE DG.KHAN (Percentage 75.05%)

Skill Set

<u>Professional/Core Skill:</u> <u>Operation of power plant</u> <ul style="list-style-type: none">• Plant operations: Gas & steam turbines, HRSG, BOPs.• Monitoring and analyzing plant parameters.• High voltage (EHV) switchgear operation.• Work order planning with Q4-CAM Software.• Eclipse and SAP operations for LOTO/PTW systems.	<u>Professional/Core Skill:</u> <u>Safety from the system</u> <ul style="list-style-type: none">• Emergency and blackout responses.• Hazard identification and risk assessment.• Safety system audits.• Outage and safety management.• Emergency plan development for SFS.
<u>Soft skills</u> <u>Self and People Management</u> <ul style="list-style-type: none">• Support for critical team decisions.• Training for resource diversification.• Leadership as a shift manager.• Embracing and driving change.• Setting result-oriented goals.	<u>Computer and keyboard Skill:</u> <u>Operation of software and report writing.</u> <ul style="list-style-type: none">• MS Word & Excel for reports.• PowerPoint & multimedia for presentations.• Email writing in Outlook, Gmail and Yahoo.• Technical software: Q4-CAM, Eclipse, FE.• Data analysis with HMIs & historians.

Trainings and certification

Industrial/Technical Trainings

- Gas turbine and steam turbine operations (1 year).
- GE control system (RX3i PAC) training by ALSTOM France (45 days).
- National Power UK safety rules for authorizations (3 levels).
- SIEMENS control system (SPPA-T3000) training (5 days on-site).
- ISO certifications: ISO-9001. ISO-14001. OHSAS-18001. ISO-45001.

Functional Trainings

- Time Management.
- Task delegation.
- 5 values of KAPCO
- KAPCO IMS system.
- 7 habits of highly effective people.

Career achievements

- Completed 7 projects to reach target of (percentage 45%) efficiency and reduce startup costs and losses.
- Conducted 3 user acceptance tests (UAT-1, UAT-2, UAT-3) before implementing the Eclipse system.
- Participated in 2 retrofit projects: SPPA-T3000 by SIEMENS and Rx3i PAC system and Mark-Vie by GE.

- Certified for EHV (132 KV/220 KV) apparatus and all plant safety controllers for SFS.
- Held the position of best safety controller for 12 years with an accuracy level of (percentage 96.8%) safety documents.

Current Company (KAPCO) Profile:

KAPCO is a 1600 MW combined cycle power plant with 10 Gas turbines, 5 Steam turbines (GE, SIEMENS, and FIAT technology), 10 HRSGs, coal boilers, 15 air-cooled generators, 132KV/220KV switchyard, 12 EHV transmission lines, fuel oil treatment plants, water treatment plants, demi plants, RO plant, DAF plant and other accessories. It remained subsidiary of National Power UK and GDF Suez so follow their SOPs and standards.

Work Experience

Shift Manager (Shift Ops) KAPCO 1600 MW CCPP, Punjab, Pakistan | April 2022 - Present

- Manage the operations of whole KAPCO complex i.e. gas turbines, steam turbines, HRSGs and BOPs.
- Manage the shift team i.e. 3 shift Engineers, 1 boiler Engineer, 6 Process Engineer and 20 operators.
- Manage the safety from the system, IMS system, PMS system and QEHS system for the whole complex.

Senior Shift Engineer (operations) KAPCO 1600 MW CCPP, Punjab, Pakistan | July 2019 – April 2022

- Responsible to manage the smooth startups & shutdowns of the units as per approved procedures and to execute the outages by arranging suitable outages plans and safety controllers.
- Manage the trainings for operation team and safety controllers in order to authorize them for different tasks.

Shift Charge Engineer (operations) GDF Suez KAPCO subsidiary, Punjab, Pakistan | July 2014-July 2019

- Supervise the day to day operations of SIEMENS units including the startups & shutdowns, isolations, permits and switching of high voltage apparatus i.e. 132/220 KV switchyard and transmission lines.
- Execute all the responsibilities w.r.t safety from the system on SIMENS as per National power UK safety rules.

Shift Engineer (operations) National Power UK KAPCO subsidiary, Punjab, Pakistan | July 2008-July 2014

- Remained Responsible to control the operations of KAPCO GE units.
- Following are the JDs at KAPCO as a shift Engineers and a safety controller.

JDs/ Job descriptions/ Job Tasks

- ▶ Ensured the safe, efficient and smooth operation of plant adhering to the SOPs.
- ▶ Prioritized the plant tasks as per prevailing thermal conditions, efficiency and cost of startup.
- ▶ Supervised critical plant operations (startups, shutdowns, fuel transfers and operations of high voltage apparatus).
- ▶ Trained and equipped the Engineers and operators for the execution of their effective roles.
- ▶ Developed SOPs (startup procedures, POPS, DOPs, LPS, LSIs, WIs) as per OEM recommendation and LMIs.
- ▶ Participated in troubleshooting /RCA activities and proposed the corrective/control measures.
- ▶ Chaired the daily morning meeting and planning meeting.
- ▶ Coordinated with NPCC for dispatch management and switching of high voltage apparatus.
- ▶ Ensured the plant integrity during release from service or normal operation.
- ▶ Implemented the IMS standards i.e. ISO-9001, ISO-14001, OHSAS-18001 and ISO-45001.
- ▶ Conducted the hazards identification & risk assessments and environmental aspects/impacts exercises.
- ▶ Executed the Job hazards analysis (JHAs) for all high hazardous activities.
- ▶ Prepared the different reports (log sheets, UDRs, plant daily summary etc.).
- ▶ Prepared data for different invoices as per Power Purchase Agreement PPA i.e. EPP and CPP
- ▶ Conducted plant performance and capacity tests.
- ▶ Provided on-the-job training to staff and Engineers on different OS and DCS systems.

JDs as all plant and EHV apparatus safety controller.

- ▶ Implemented the National power UK safety rules at KAPCO site for safety from the system.
- ▶ Issued safety documents (Normal permits, ROS permits, Test permits, live permits) for maintenance and outages.
- ▶ Utilized the Eclipse for LOTO system and permits.
- ▶ Developed the safety and switching procedures as per safety philosophy, policy and principles.
- ▶ Conducted the safety interviews of safety controllers, DPs, and Acceptors.
- ▶ Managed emergency situations, including blackout restoration and incident control.

Project Engineer- (Instrument &Control) Jan-2018-2020 KAPCO

During retrofitting of control projects at SIEMENS and GE steam turbines following are the main responsibilities.

- ▶ Installed new panels, conducted networking, testing and commissioning for 6000 IOs.
- ▶ Developed testing procedures, resolved issues with expats and managed punch lists.
- ▶ Conducted functional and operational tests and prepared the units for initial startup.