

NITLESH KUMAR KUSHWAHA

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Professional Summary:

Results-driven Electrical Engineer with 7+ years of experience in thermal power plant operations and real-time energy management. Currently working as Senior Engineer (In-Charge – Power Management & Scheduling), specializing in URS-based power trading, bilateral power scheduling via WBES for GNA/TGNA/ISGS, and market participation in DAM, RTM, and TAM through licensed traders (NVVN, PTC India). Strong expertise in DC, SG & DSM risk optimization, line voltage & MVAR profile control, ensuring maximum revenue realization with strict grid code compliance. Proven experience in real-time coordination with SLDC, RLDC, and NLDC for grid stability and schedule management.

Academic Profile:

High School (10th): Government Excellence High School, Waidhan, Singrauli, Madhya Pradesh. Achieved an aggregate of **72.83%** in 2015.

Diploma in Electrical Engineering: Government Polytechnic College, Damoh, Madhya Pradesh. Achieved an aggregate of **77.20%** in 2018.

Bachelor of Technology (B.Tech) in Electrical Engineering: Patel Institute of Technology, Bhopal, Madhya Pradesh. Achieved an aggregate of **77.70%** in 2021.

Current Company:

Senior Engineer (In-Charge – Power Management & Scheduling)

(DSM Management | Power Trading | Load Scheduling & Control) at **Steag Energy Services (India) Pvt Ltd** (2x660MW): 19 June 2025 to present.

Previous Companies:

O&M Site Supervisor

* **Hindalco Industries Ltd Singrauli (Mahan Aluminium Project):** M/s. Shri Neelkanth Associates: 1 July 2018 – 30 July 2020.

O&M In-charge – AHP Operations

* **NTPC Limited (VSTPS Vindhyanagar):**

* **M/s. Jyoti Engineering Works (210x6, 500x7):** 10 Oct 2020 – 30 Sep 2023.

O&M Shift In-charge – AHP Operations (Role: AHP In-charge & Power Trading Engineer)

* **M/s. RA Chaubey & Associates (210x6, 500x7):** 1 Oct 2023 – 20 Nov 2024.

Engineer – AHP Operations (Role: AHP In-charge & Power Scheduling Engineer)

* **Power Mech Project Limited, Nellore:** MEL (150x2, 350x2): 1 Dec 2024 – 16 June 2025.

Certifications:

- * **1-month training at Vocational Training & Development Centre, Aditya Birla - Hindalco Industries Ltd - Mahan Aluminium, 2017.**
- * **1-month training at Regional Learning Institute, VindhyaChal Super Thermal Power Project, 2020-21.**
- * **1-week skill development training at Regional Learning Institute, VindhyaChal Super Thermal Power Project, 2022.**

Development by ensuring effective human resources utilisation and their skills:

- Shift operation management
- Monitoring of manpower deployment
- Documentation of shift activities and operational logs.
- Ensuring proper housekeeping

Computer Proficiency:

- Advanced MS Excel (Power trading MIS, DSM analysis, block-wise data handling), Word and PowerPoint.

Strengths:

- Result-oriented with strong planning, coordination, and decision-making ability.
- Excellent learner, self-motivated with a positive attitude.
- Efficient shift planning, scheduling, and multi-shift operations coordination.
- Skilled in contract workforce control and compliance.
- Exposure to 5S practices and operational discipline in power plant environments.

Roles and Responsibilities:

Sr. Engineer (In-Charge) – Load Dispatch & Energy Management

Energy Management | URS-Based Power Trading | Bilateral Based Power Scheduling |

RTM/DAM/TAM | DSM Risk Control | RLDC/SLDC/NLDC Coordination | Real-Time Market Operations |

MIS Reporting | WBES Expertise | SG & DC Management.

Key Responsibilities:

- Real-time URS breakup preparation and market bidding strategy formulation for surplus power optimisation.
- End-to-end power scheduling via WBES for GNA/TGNA and Open Access (STOA/MTOA/LTA), including ISGS scheduling, revisions, and real-time coordination with RLDC/SLDC.
- Active participation in RTM and DAM to maximise realisation from URS power.
- DSM (Deviation Settlement Mechanism) monitoring and control to minimise financial exposure and penalties.
- Working knowledge of CERC & SERC regulations, Grid Code compliance, Open Access and DSM framework.
- Experience in coordination with WRLDC and SRLDC, and currently leading coordination with NRLDC

for compliant scheduling, URS utilization, and real-time power trading operations.

- Real-time monitoring and control of Declared Capacity (DC) and Station Generation (SG) in line with grid requirements and operational constraints.
- Voltage profile monitoring and regulation, including MVAR injection and absorption, to support grid stability and comply with grid codes.
- Preparation and submission of Day-Ahead DC and Technical Minimum (Tech Min) declarations ensuring regulatory compliance and optimal unit operation.
- Revision of DC during unit outages, technical constraints, or grid instructions with timely coordination with RLDC/SLDC.
- Power Exchange operations through NVVN PX portal, including bid placement, modification, and real-time confirmation in RTM/DAM.
- Real-time schedule validation and deviation monitoring through WBES portal for accurate scheduling, DSM control, and URS management.
- Close coordination with UPSLDC/RLDC for schedule revisions, ramp-up/down instructions, and emergency grid conditions.
- Coordination with licensed power traders such as PTC India, MPL, and NVVN for bilateral scheduling and real-time operational alignment.
- Block-wise operational data analysis for performance improvement, DSM reduction, and strategic decision-making.
- Handling large MW variations in real-time (e.g., URS requisition changes from 553 MW to 0.1 MW) with precise scheduling and market alignment.

Personal Dossier:

Date of birth: 15 October 1998

Gender: Male

Marital Status: Unmarried

Nationality: Indian

Linguistic Proficiency: English, Hindi

Interests: Fitness, Artificial Intelligence, Automation Projects

Expected CTC: As per industry standards / Negotiable

Notice Period: 3 months

Declaration

I hereby affirm that the information furnished above is true and correct.

Date:

Nitlesh Kumar Kushwaha

Place: