NPC Consultant Professional Profile

I. <u>Personal Information</u>

Name:Prashant Srivastava Date of Birth: 10.05.1979 Current Position& Domain: Dy. Director Energy Management Office Location: Head Office Delhi Languages:English and Hindi Contact:Email: prashant.s@npcindia.gov.in& Mo No:92112 84528

II. <u>Professional Summary</u>



Working as Dy. Director (EM) with over more than 16 years of experience in NPC managing technical consulting projects, including energy efficiency initiatives, energy audits, water audits and industry compliance. Skilled in engaging with government bodies, project planning and execution, business development.

III. Areas of Expertise

Primary Domains: Energy Efficiency

Specialized Skills:Certified Energy Auditor, CMVP Certified ,ISO -50001 EMS - Lead Auditor, Certificate in Project Management.

Industry Focus: Energy management and Energy efficiency in Thermal Power Plants, Buildings, Fertilizer industries, Sugar industries, Steel re-rolling, Paper and others.

From	То	Employer	Positions Held
Sept 2015	Till date	National Productivity Council, New Delhi	Dy. Director
Sept 2008	Aug 2015	National Productivity Council, New Delhi	Asstt. Director
May 2007	Aug 2008	DSCL Energy Service Company Ltd, New Delhi	Project Associate
June 2006	March 2007	Central Pulp & Paper Research Institute (CPPRI),	Junior Research
		Saharanpur (U.P.)	Fellow
Jan 2005	May 2006	National Productivity Council, New Delhi	Project Engineer

IV. <u>Professional Experience</u>

Key Responsibilities:

- Acted as a Team Lead
- Energy & Water Efficiency Projects, Speaker at Training & Workshop
- Reviewing Head Office Work Proposal & Projects and sharing Project lead to Regional Office as per their locations
- Explore revenue generation possibilities

- To coordinate with other offices/officers (RDs) on assignments of energy management division for execution including field works, report making, training & presentation
- To supervise, guide and/or coordinate with External consultant, Project Associates involved in the projects pertaining to various assignments.
- To liaison/negotiate with clients of Energy Assignments during price/scope negotiation and finalisation of audit/study reports.
- Carry out various activities so to promote productivity and energy related issues as well as represent NPC at various platforms for similar issues.

Project Title	Baseline Energy Measurement study in 170 Steel Re-Rolling Mills Sector
	in India
Client Name	UNDP Type: UN Sector: Steel Industry
Role	Team Member
Duration	One Month
Problem Definition	Conducted baseline energy study in Steel Re-Rolling Units (SRRM) across Punjab to identify energy consumption patterns, promote energy conservation measures, and support industries in implementing efficiency improvements. Additionally, organized cluster-level awareness workshops
	to enhance industry-wide adoption of best practices.
Recommendation / Output	Detailed study of rolling process in identified units, monitoring and analysis of roll-pass schedule for different products, rerolling equipment survey, standardization of feed/ raw material, mill motor assessment, identification of energy saving and process improvement options, submission of detailed project report to the each model units, providing implementation support, post implementation survey and conducting cluster level awareness creation workshop.
Impact Created	Overall identified Energy Losses and help industries to reduce energy consumption by eliminating avoidable loss Quantifiable results achieved
	 Cost savings or efficiency gains

V. <u>Major Project Experience in NPC</u>

Project Title	Emirates Energy Award (2021-22)
Client Name	Dubai Supreme Council of Energy, Govt. of UAE
Role	Team Member
Duration	3 Month
Problem Definition	Reviewed and assessed each application based on the evaluation criteria set by the Technical Committee. Provided detailed feedback on completed applications and developed final recommendations and rankings to assist the committee in selecting the winners.
Recommendation / Output	Ensured that all evaluated candidates for the award had submitted complete applications in line with the predetermined criteria. Each

	application was thoroughly assessed according to the evaluation criteria set by the Technical Committee. Feedback was provided for all complete applications. Based on the evaluations, submitted final recommendations and rankings to assist the Technical Committee in shortlisting the winners.
Impact Created	Identified and verified the Energy Conservation Projects implemented by Industry, and on the basis of calculation and award has been issued to best energy efficient Industry.

Project Title	National Energy Conservation Award
Client Name	Bureau of Energy Efficiency (BEE) Type: Government Sector: Government
Role	Team Member
Duration	One Month
Problem Definition	Analyze and assess key energy performance indicators and energy conservation measures submitted by industries across various sectors through detailed questionnaire reviews.
Recommendation /	Served as an evaluator to review, assess, and validate key energy
Output	performance parameters and energy conservation measures submitted by industries across various sectors. Provided analysis and insights to the BEE, GoI, to support energy efficiency improvements and policy decisions
Impact Created	 Verified and assessed energy conservation projects implemented by industries, ensuring accuracy through detailed calculations and validation. Recognized and awarded the most energy-efficient industries based on performance evaluation. Contributed to capacity building by promoting best practices and encouraging energy efficiency improvements across sectors.

Project Title	PAT Scheme Monitoring and Verification Audit
Client Name	Bureau of Energy Efficiency (BEE) Type: Government Sector: Government
Role	Team Member
Duration	One Month
Problem Definition	The study aimed to verify the annual energy consumption of industries and analyze the data to determine their eligibility for designation as a Designated Consumer (DC) under PAT Cycle.
Recommendation /	Collected The Annual Energy Consumption Data From Probable
Output	Designated Consumers Across All Sectors In Uttar Pradesh. This Involved Physically Visiting The Plants For Comprehensive Data Collection. The Gathered Data Was Then Analyzed To Assess The Eligibility Of Each Entity To Be Designated As A DC Under The PAT Cycle. Additionally, I Ensured The Overall Coordination Of The Project, Working Closely With The Probable DCs And NPC HQ To Ensure Smooth Execution And Timely Progress.
Impact Created	As per the collected data, industries were selected in PAT 2 cycle
	Capacity building outcomes

Project Title	Third Party Verification of BEE Report on "Verifiable Energy Savings due
	to various schemes of BEE"
Client Name	Bureau of Energy Efficiency (BEE) Type: Government Sector: Government
Role	Team Member
Duration	One Month
Problem Definition	The study aimed to assess the impact of major energy efficiency initiatives following the implementation of the Energy Conservation (EC) Act. To support this, the Bureau of Energy Efficiency (BEE) prepared a Monitoring & Verification report on energy savings achieved during 2009-10 for submission to the Ministry of Power, Government of India.
Recommendation / Output	 Collaborated with the Bureau of Energy Efficiency, State Designated Agencies (SDAs), and other key stakeholders. Collected and analyzed data from BEE and SDAs to ensure accuracy. Conducted a comprehensive review of the report through sample visits to relevant stakeholders. Evaluated the methodology used for quantifying energy savings and impact assessment. Reviewed data sources, including baseline references, to validate energy savings calculations.
Impact Created	 Verified the reduction of Energy Consumption achieved & reduction in green house gas emission Cost savings or efficiency gains Calculated the achieved energy savings

Project Title	Development of Feasibility Report for 10 Pipeline units of Steel Re- Rolling Mills Sector in India
Client Name	UNDP
Role	Team Member
Duration	One Month
Problem Definition	The feasibility report is intended to be a comprehensive document of the concerned unit regarding their existing operating status by conducting process audit, thermal audit, and electrical audit of the concerned unit, suggesting the Energy Efficiency Technology to be adopted in phases to bring down the specific energy consumption and improve bottom line of the unit.
Recommendation / Output	 Mapping of basic information about SRRM units Establishing baseline energy consumption for the unit Energy audit of existing facilities Identifying Energy Conservation Opportunities
Impact Created	 Prepared The Methodology for Distribution Loss Assessment. Quantifiable results achieved Cost savings or efficiency gains Identifying Energy Conservation Opportunities

Project Title	To conduct Training Programmes on Energy Conservation Act/e-Filing
	and Analysis of data for Designated Consumers
Client Name	Uttarakhand Renewable Energy Development Agency Type: Government
	Sector: Government
Role	Team Member
Duration	Three Month
Problem Definition	• To conduct a series of training programmes for designated
	consumers on Energy Conservation Act, E-Filing of energy data
	and analysis of data
Recommendation /	Successfully completed the training programs achieving all the scope and
Output	objectives.Enhanced awareness and understanding of the Energy
	Conservation Act among designated consumers.
	Improved accuracy and efficiency in e-filing and analysis of energy data.
	My Job role in this project were follows:
	 Managed the entire event using a project management approach
	including:
	 Scheduling dates and selecting venues
	 Identifying and coordinating with experts/faculty
	 Handling logistics and faculty deputation for sessions
	 Overseeing evaluation and follow-up activities
Impact Created	As per the Baseline Study, future energy savings target sets.
	Capacity building outcomes

VI. Educational Background

Graduation Degree:

- **Degree:** B.Tech (Chemical. Engg.)
- Institution: U.P. Technical University, Lucknow Type: Full Time
- Year:2004
- Specialization: Chemical Engineering

Additional Professional Qualifications:

- Accredited Energy Auditor From Bureau of Energy Efficiency , Ministry of Power, Govt of India (AEA-0132
- **Certified Energy Auditor** From Bureau of Energy Efficiency , Ministry of Power, Govt of India (EA-6368)
- **Certified Monitoring and Verification Professional (CMVP)** by The Association of Energy Engineers (AEE), Atlanta, Georgia

- **Certified Lead Auditor ISO 50001:2001, Energy Management System (EnMS)** from British Standards Institution (BSI), United Kingdom
- **Certificate in Project Management (CIPM)** from International Institute of Projects & Program Management (i2P2M), NOIDA, U.P., India

VII. <u>Research and Publications</u>

Recent Publications:

• Involved in the preparation of Guidebook for Certified Energy Auditor Exam from Bureau of Energy Efficiency, Ministry of Power, Govt of India

Speaking Engagements:

• Technical Speaker at Boiler Workshop, Energy Efficiency Training Program conducted by NPC

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that I shall be responsible for any willful misstatement described herein.

Date:10-02-2025 Place: New Delhi

Prashant Srivastava