

## **NPC Consultant Professional Profile**

### **I. Personal Information**

**Name** : PASUPUNATI VINOD KUMAR  
**Date of Birth** : 22.08.1984  
**Current Position & Domain**: Deputy Director, Energy Management Division  
**Office Location** : Regional Directorate-Hyderabad  
**Languages** : English (Read/write/speak),  
Telugu (Read/Write/speak),  
Hindi (Read/Write/Speak).  
**Contact** : vk.pasupunati@npcindia.gov.in,040-24733473



### **Professional Summary**

**II.** Results-driven Energy Management Consultant with 15 years of experience optimizing energy consumption and reducing costs for diverse clients. Expertise in energy audits, efficiency strategies and conduct training programs. Proven ability to deliver significant energy savings and promote sustainability. Skilled in regulatory compliance (PAT Audits) , carbon footprint reduction and leveraging emerging technologies to enhance energy performance. Strong background in collaborating with cross-functional teams, stakeholders, and clients to drive impactful energy-saving initiatives. Passionate about delivering sustainable and cost-effective energy solutions that align with business objectives and environmental goals. Contributed to the creation of industry-specific manuals for mitigating greenhouse gas (GHG) emissions.

### **III. Areas of Expertise**

**Primary Domains:** Energy and sustainability

**Specialized Skills:** Energy and water audits, resource conservation studies, ISO 50001, and M&V studies (IPMVP)

**Industry Focus:** Thermal Power Plants, Pharmaceuticals, Aluminium, Textile, Cement Plants, Engineering Industries, Buildings, MSME cluster studies, Railways, Chemicals, and Steel plant.

### **IV. Professional Experience**

**Current Position:** Deputy Director

**Organization:** National Productivity Council, Hyderabad

**Duration:** Mar'2023 – Present

**Key Responsibilities:**

- Strategic role in productivity enhancement:
  - ❖ Strategic role in productivity enhancement: Executed energy audits, conducted sectoral energy mapping studies, and performed water conservation assessments, enabling industries to optimize their energy and resource utilization and strategically enhance productivity.

- ❖ Specific areas of consultation /expertise: Energy and CO<sub>2</sub> footprint assessment, water footprint assessment
- ❖ As a team member executed various energy managements.

**Key projects and initiatives led:**

- As a Team Member for Energy and resource mapping study for the Pharmaceutical cluster for the Bureau of Energy Efficiency (BEE) , Ministry of Power, GoI.
- As a team member for detailed Energy audit and conservation study at M/s Ultra Tech cement works (for 7 plants).
- As a team member for a detailed Energy audit and conservation study at Deepak Nitrate for three units at Hyderabad.
- As a team member for detailed Energy audit and conservation study and Measurement and verification study for (4 units) at M/s Aurobindo Pharma at Hyderabad.
- As a team member for detailed Energy audit and conservation study for M/s Granules Pharma for their unit at Hyderabad.
- As a team member Demonstration of Energy Efficiency through the Internet of Things (IoT) in SME's for Andhra Pradesh State Energy Conservation Mission (APSECM).
- As a team member conducted the detailed Project Report Preparation for two Pumping stations in Hyderabad Metro Water Works and Sewerage Board (HMWSSB) for Telangana State Renewable Development Corporation (TSREDCO).

**Previous Position: Assistant Director Organisation: National Productivity Council, Hyderabad  
Duration: 05.10.2016 – 28.03.2023**

**Key Responsibilities:**

- As a team member for the Mandatory Energy audit study at Kothagudem Thermal Power Station (KTPS)–stage V & VI for the PAT cycle.
- Conducted 75 no's of walk-through Audits for MSME units for the Federation of Telangana Chambers of Commerce and Industry (FTCCI) and Yes bank as a part of corporate social responsibility (CSR).
- As a faculty member, for Two Days Training Programme on “Modalities of Standards and Labelling and PAT Scheme” to the employees of SDA Telangana.
- As a faculty member, for Two Days Training Programme on “Energy Conservation and implementation of ISO 50001:2018” to the employees of SDA Telangana.

**Previous Position: Senior Energy Consultant Organisation: Andhra Pradesh State Energy Conservation Mission, Hyderabad Duration: August 2015 – September 2015**

- Assisting and guiding State Designated Agency(SDA) of Andhra Pradesh in implementing Energy Conservation Activities in the state.

**Previous Position: Senior Engineer Organisation: Rukshaya Emerging Technologies (P) Ltd  
Duration: 02/03/2015 to 14/08/2015**

- Assisting and guiding the team in conducting the energy audit studies in building.

**Previous Position:** Senior Engineer **Organisation:** Siri Exergy and Carbon Advisory Services Pvt Limited, Hyderabad **Duration:** 05<sup>th</sup> January 2011 to 28<sup>th</sup> February 2015

**Key Responsibilities:**

- As a team member carried out monitoring and verification (M & V ) of PAT scheme for NTPC Sipat, NTPC Korba, KTPS Kota etc .
- As a team member carried out Energy audit study at Varanasi Airport and Hubli airport, HTPS Korba ,PTPP etc.

**Previous Position:** Senior Engineer **Organisation:** Siri Exergy and Carbon Advisory Services Pvt Limited, Hyderabad **Duration:** 01<sup>th</sup> June 2008 to 30<sup>th</sup> October 2009

**Key Responsibilities:**

- As a team member carries out Assessment of Energy Conservation and Savings Potential in 4 Sectors-Andhra Pradesh.

**V. Major Project Experience in NPC [For each significant project, include:]**

**Project Title:** Mandatory Energy Audit

**Client Name:** Ultratech Cements Limited (**11 plants**) and KCP Cements Ltd. (1 plant) **Type:** Private **Sector:** Cement

**Role:** Team Member

**Duration:** 2 Months for each plant

**Problem Definition:** Mandatory Energy Audit in Integrated Cement Plant along with Thermal Power Plant

**Project Title:** Mandatory Energy Audit

**Client Name:** Hindalco Industries Limited & Hindalco Aditya Aluminium

**Type:** Private **Sector:** Aluminium

**Role:** Team Member

**Duration:** Each plant project lasted 2 months, from start to completion.

**Problem Definition:** Mandatory Energy Audit in Integrated Aluminium Plant along with Thermal Power Plant

**Project Title:** Detailed Energy Audit

**Client Name:** Aurobindo Pharma Limited (4 plants), Hetero Labs Limited (1 plant) and Granules India Private **Sector:** Pharmaceutical

**Role:** Team Member

**Duration:** Each plant project lasted 2 months, from start to completion.

**Problem Definition:** Detailed Energy Audit in Pharma Unit.

**Project Title:** Capacity Building Programs for the Officials of Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB)

**Client Name:** Telangana Renewable Energy Development Corporation Limited (TGREDCO) **Type:** Government **Sector:** Public Utilities

**Role:** Team Member

**Duration:** Each training program lasted 2 days

**Project Title:** Energy Audit Conservation Study

**Client Name:** Ordnance Factory Board Medak (OFMK) **Type:** Government **Sector:** Defence Tank Manufacturing

**Role:** Team Member

**Duration:** The Project lasted 2 months, from start to completion.

**Problem Definition:** Energy Audit in Utility System

**Project Title:** Energy Audit Conservation Study

**Client Name:** Bharat Heavy Electricals Limited (BHEL) and Bharat Dynamics Limited (BDL) **Type:** Government **Sector:** Defence Manufacturing

**Role:** Team Member

**Duration:** Each plant project lasted 2 months, from start to completion.

**Problem Definition:** Energy Audit in Utility Systems

**Project Title:** Energy and Water Audit Conservation Study

**Client Name:** National Institute of Rural Development & Panchayati Raj (NIRD&PR) **Type:** Government **Sector:** Building

**Role:** Team Member

**Duration:** The Project lasted 2 months, from start to completion.

**Problem Definition:** Energy and Water Audit for the entire campus building

**Project Title:** Water Balance Study

**Client Name:** New Mangalore Port Trust (NMPT) **Type:** Government **Sector:** Port

**Role:** Team Member

**Duration:** The Project lasted 2 months, from start to completion.

**Problem Definition:** Water Balance Study at Port and Colony

**Project Title:** Energy Audit Conservation Study

**Client Name:** National Mineral Development Corporation (NMDC) and Nizam's Institute of Medical Sciences (NIMS) **Type:** Government **Sector:** Building

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Energy Audit Study at Building

**Project Title:** Water Balance Study

**Client Name:** National Thermal Power Corporation (NTPC) Plants – Korba, Mouda, Anta **Type:** Government **Sector:** Power Plant

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Water Balance Study at Power Plant

**Project Title:** Compressed Air Study

**Client Name:** National Thermal Power Corporation (NTPC) Plant – Korba and NTPC Tamil Nadu Energy Company Limited (NTECL) **Type:** Government **Sector:** Power Plant

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Compressed Air Study at Power Plant

**Project Title:** Energy Audit Study

**Client Name:** Himatsingka Linens, Karnataka **Type:** Private **Sector:** Power Plant

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Energy Audit Study at Power Plant

**Project Title:** Energy Audit Study

**Client Name:** South Central Railway (SCR) **Type:** Government **Sector:** Railway

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Energy Audit Study at Railway Carriage Workshop.

**Project Title:** Energy Audit Study

**Client Name:** Kothagudem Thermal Power Station (KTPS) and Chhatisgarh State Power Generation Corporation Ltd. (CSPGL) **Type:** Government **Sector:** Power Plant

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Energy Audit Study at Power Plant.

**Project Title:** Energy Audit Study

**Client Name:** Deepak Nitrate (3 plants) **Type:** Private **Sector:** Chemical

**Role:** Team Member

**Duration:** Each plant project lasted 1 month, from start to completion.

**Problem Definition:** Energy Audit Study at Utility Systems.

## **VI. Educational Background**

Master's Degree:

- Degree: MBA (Pursuing)
- Institution: Osmania University Type: Part-Time
- Year: -2023-2025
- Specialization: MBA (HR)

Bachelor's Degree:

- Degree: B. Tech
- Institution: J N T U Hyderabad Type: Full Time
- Year: 2006
- Specialization: Instrumentation and Control Engineering

### **Additional Professional Qualifications:**

- Certified Energy Auditor (EA-16839 )by the Bureau of Energy Efficiency (BEE), MoP, GoI.

### **Specialized training**

- Attended training conducted by the Asian Productivity Organization (APO) on “Training Course on Digital Manufacturing for SMEs, 13 -17 November 2023, Japan, Tokyo.

### **IT Tools & Proficiency Level**

- MS Office working proficiency

### **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 mistake described herein.

Date: 10.02.2025

Place: Hyderabad



[Signature of Employee]

[P.Vinod Kumar]

## **Profile Update History**

Last Updated: [10.02.2025]

Next Review Due: [10.08.2025]