

## **NPC Consultant Professional Profile**

### **I. Personal Information**

**Name:** Deverapalli Sreenivasulu

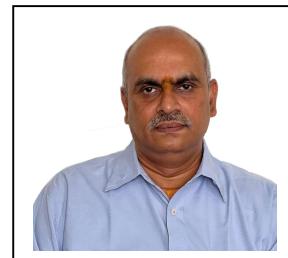
**Date of Birth:** 01<sup>st</sup> July'1970

**Current Position & Domain:** Director -Environment

**Office Location:** Hyderabad

**Languages:** English (Read-Write-Speak), Telugu( Read-Speak), Hindi( Read-Speak)

**Contact:** [d.sreenivasulu@npcindia.gov.in](mailto:d.sreenivasulu@npcindia.gov.in), M:9840278469



### **II. Professional Summary**

30 years' experience in formulation of Environmental Standards, development of Sectoral Environmental Profiles, Environmental Audit Models and Specific Waste Generation Factors, preparation of Industry Specific Guidance Manuals for reducing GHG and environmental impacts, Sustainability Reporting as per GRI Guidelines and preparing policy support concept notes.

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

**Primary Domains:** Environment & Sustainability

**Specialized Skills:** Auditing, Standards Formulation, GHG-Environmental Guidelines Development, Environmental/Green performance rating of industries, working in Energy-Environment interdisciplinary and cross functional areas.

**Industry Focus:** Beverage Industry (Soft Drink & Breweries), Paints Sector, SME Sectors (Plaster of Paris, CokeOven, Small Paints), Sustainability Reporting ( Orissa Mining Corporation), Energy and Environmental cross impacts ( Chlor-Alkali, Primary Zinc and Copper Smelters, Waste Paints, ).

### **IV. Professional Experience**

**Current Position:** Director **Organisation:** NPC, Hyderabad **Duration:** May'2024 ( 8 months)

**Key Responsibilities:**

- Strategic role in productivity enhancement :Identifying weakness in BRSR data reporting and means to address them to improve resource, water and energy productivity and seek projects. Exploring water footprint assessment opportunities in Pharma Cluster.
- Specific areas of consultation /expertise: Green rating and supply chain, Water footprint assessment.
- Leadership and team management aspects: Leading in environmental knowledge specific areas and working and associating with Energy team.
- Key projects and initiatives led :Proposals submitted to 1) SAREP-USAID to introduce Energy Efficiency Aspects in University Curriculum and Customize it to Working Professionals for Bhutan and Maldives, 2) M/s Granules India Limited for Water Positivity for 2 plants to be gradually expanded to other plants and their supply chain. 3) Security Printing Press of Security Printing & Minting Corporation of

India Limited to find alternate uses for Waste Sticker Paper and presented on methodologies for greening their supply chain as Research Projects.

**Previous Position:** Director **Organisation:** AIP, Chennai **Duration:** 2019-2024

**Key Responsibilities:**

- Role: Head-AIP
- Specific areas of work/expertise:

Executing and Coordinating Administrative and Financial tasks of the Institute, support and facilitate marketing, team formation, work execution and providing requisite resources.

As controller of BEE and Boiler Board Examinations conducted the process with transparency, integrity and in an efficient manner.

Enabling conduct of ITEC international Training programs.

- Leadership and team management aspects: Developing a cross-functional team to enable optimal use of officers to tide over lack of projects in domain specific work. Supported Junior Level Officers to take independent charge and seek work in areas the market demands. Encouraged all to quantify their work impact in terms of productivity contribution to the state and nation.
- Key projects and initiatives led
  - National Certification Examination for Energy Managers and Auditors (Year: 2019-2023). Client: Bureau of Energy Efficiency, New Delhi.
  - Boiler Operating Engineers Exam (2021) and Competent Person for Inspection of Boilers Exam (Year: 2019). Client: Client: DPIIT, Ministry of Commerce and Industry, New Delhi.
  - E-Waste Inventorization for State of Tamilnadu
  - TANGEDCO and JSW Steel Man Power Assessment- Encouraged and Supported Junior Level IE officer to take charge and complete the project.
  - Manufacturing Efficiency in Bus Building at Bharat Benz. With support from an IE officer led the project and successful completed.
  - Lead ITEC Training program on environmental management and supported ITEC programs in Energy and Industrial Engineering disciplines.

**Previous Position:** Director -II & Dy Director **Organisation:** AIP, Chennai **Duration:** 2015-2019

**Key Responsibilities:**

- Role : Lead Environmental Group and execute projects
- Specific areas of work/expertise: GHG and Pollution Quantification and guideline Manual development, mapping policy instruments for low carbon investments.
- Leadership and team management aspects: Provided leadership to newly joined environmental Team and coordinated with energy team.
- Key projects and initiatives led
  - “Best Practices Manual for Energy Conservation and Reducing GHG Emissions in Chlor-Alkali Industries” an Energy-Climate Change project for DPIIT.
  - Sustainability Report for Orissa Mining Corporation prepared as per GRI Guidelines.
  - Development of specific Waste Generation factors for Chlor-Alkali and Electroplating units ( TNPCCB- project).

- Prepared research paper on “Mapping Policy Instruments for Low Carbon Investments in ASEAN Countries” in Financing for Low-Carbon Energy Transitions” for ERIA.
- Training CPCB/TNPCB in areas of Wastewater Treatment, Air Pollution Control, Environmental Impact Assessment and Audit.

**Previous Position:** Dy Director **Organisation:** NPC, Hyderabad and Delhi **Duration:** 2000-2015

**Key Responsibilities:**

- Role : Team Member and Leader
- Specific areas of work/expertise: Developing COINDS and Sectoral Environment Standards, ETP design for SMEs especially those falling in Delhi and polluting Yamuna, developing Compendiums and guides for Waste Minimisation and cleaner production.
- Leadership and team management aspects: Worked both independently and in teams.
- Key projects and initiatives led
  - COINDS for Plaster of Paris, Large Paints, Soft Drinks, Breweries, Coke Oven Industries.
  - Developed Environmental Audit Models for Primary Zinc, Copper and Chlor-Alkali
  - Prepared Compendium of Waste Minimisation Cases covering all WM projects done by major Governmental Departments, and Industries and Research Institutes in India.

**Previous Position:** Assistant Director **Organisation:** NPC, Kolkata **Duration:** 1994-2000

**Key Responsibilities:**

- Role : Team Member and Leader
- Specific areas of work/expertise: Design of Wastewater Treatment Plants, Air Pollution Control Systems, Hazardous Waste Inventorization, performance monitoring of pollution control systems.
- Leadership and team management aspects: Worked both independently and in teams.
- Key projects and initiatives led
  - Design of ETP for Gontermann Peipers Lts a unit of Ispat Mittal Group.
  - Design of Air Pollution Control System for Nipha Steels, and GKW Steels for their Electric Arc Furnaces.
  - Performance evaluation of Air Pollution Control Systems for Jessops India Ltd.
  - ISO 14001 EMS design for Kesoram Rayon, Hooghly and Essel Mining, Barbil.

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

**Project Title:** E-Waste Inventorisation for Tamil Nadu

**Client Name:** Tamil Nadu Pollution Control Board **Type:** Government **Sector:** Environment

**Role:** Team Leader

**Duration:** 1 year

**Problem Definition:** To inventorize E-Waste for all Districts of the State and project for next 10 years

**Recommendations Made:** Develop database of E-Goods district wise sale using GST details to get reliable E-waste in due course of time. Include electrical and electronic goods repair shops under refurbishers category to plug refurbishment data leak and consequent generation of E-Waste due to repairs. Consider census to cover E-goods use and disposal to match E-goods sale in future.

**Impact Created:**

- Quantifiable results achieved: The impossibility of getting accurate data in the absence of district-wise GST and sales data and that of repair shops is accepted (Verbally).
- Process improvements achieved
- Cost savings or efficiency gains
- Capacity building outcomes

**Project Title: Manufacturing Efficiency Study in Bus Building**

**Client Name:** Bharat Benz **Type:** Private **Sector:** Industrial Engineering

**Role:** Team Leader

**Duration:** 3 Months

**Problem Definition:** To reduce the cost of manufacturing bus by at least Rs 3000/ bus.

**Recommendations Made:** 77 recommendations covering material, labor and methods with classification as immediately implementable, further research to be done were made

**Impact Created:**

- Quantifiable results achieved: It is estimated that the 77 recommendations will save Rs26400/bus of which many were considered feasible by the unit during presentation.

**Project Title: COINDS and Development of Minimum National Standards for Plaster of Paris, Paints, Soft Drink, Breweries and Coke Oven Industries**

**Client Name:** Central Pollution Control Board **Type:** Government **Sector:** Environment

**Role:** Team Leader

**Duration:** 3-5 years /each sector

**Problem Definition:** To develop State of Environment Profile for each Sector and evolve techno-economically feasible emission/discharge/disposal standards based on macro-analysis of state of industry and micro analysis of performance evaluation of pollution control systems and rationalizing with shop floor standards.

**Recommendations Made:**

- For Plaster of Paris (POP) relaxation of standards were proposed based on economic considerations.
- For large paint industries balance of inventory of raw materials and products based standards and best available technologies for control of pollutants were proposed.
- For breweries and soft drinks source water TDS and scale of production-based water use and wastewater standards were proposed.
- For Coke Oven industries, coke yield vs operational best practices that reduces emissions along with pollution control technologies for auxiliary activities were proposed.

**Impact Created:**

- Quantifiable results achieved:
  - The recommendations for POP industries in actuality will reduce PM emissions from 20000-21000 mg/Nm<sup>3</sup> to 2000mg/Nm<sup>3</sup>.
  - The recommendations for Soft Drink and breweries will reduce water intensity by 1:13-25 to 1:3-5 compared to 1990.
  - The recommendations for Coke Oven Industries will enable meeting the existing norms and propel them to deploy heat recovery systems individually or in clusters.

**Project Title: Preparation of “Best Practices Manual for Energy Conservation and Reducing GHG Emissions in Chlor-Alkali Industries”**

**Client Name:** DPIIT **Type:** Government **Sector:** Energy-Environment

**Role:** Team Leader

**Duration:** 5 years

**Problem Definition:** To compile best practices for Energy Conservation and reducing GHG Emissions by studying existing manufacturing processes and technologies, operational practices and emerging technologies.

**Recommendations Made:**

- Section wise benchmarks for energy and resources use along with impact of raw material on energy use was made. The manual was reviewed by Chlor-alkali Manufacturers Association and recommended to their members.

**Impact Created:**

- Quantifiable results achieved: The difference between best performing to average performing unit is about 20% and a minimum of the savings are expected.

**Project Title: Conduct of Boiler Operating Engineers Examination**

**Client Name:** DPIIT **Type:** Government **Sector:** Boilers

**Role:** Controller of Examination

**Duration:** 1 year

**Problem Definition:** To conduct all India written exam and viva-voce in a transparent and professional manner.

**Recommendations Made:**

- Not having requisite panel of viva-voce experts in 11 centres delayed the process by 3 months approximately and hence Boiler Board was requested to allow conducting viva-voce only in Chennai or online which they informed they will consider.

**Impact Created:**

- Quantifiable results achieved: There was shortage of boiler operating engineers and for operating the boiler a certified boiler operating engineer is a requirement and the exam filled the gap that was growing over the years.

**Project Title: Environmental Impact Assessment of Glass vs PET bottles**

**Client Name:** Coca Cola **Type:** Private **Sector:** Soft Drink

**Role:** Team Leader

**Duration:** 6 Months

**Problem Definition:** To compare environmental impact of using Glass vs PET bottles.

**Recommendations Made:**

- PET bottles are environmentally friendly.

## **VI. Educational Background**

**Highest Degree:**

- **Degree:** MS
  - **Institution:** IMT Atlantique, Nantes **Type:** Full Time
  - **Year:** 2004
  - **Specialization:** Process Engineering with Specialisation in Project Management in Environmental and Energy Engineering
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- **Degree:** B Tech
  - **Institution:** Andhra University, Visakhapatnam **Type:** Full Time
  - **Year:** 1991
  - **Specialization:** Chemical Engineering

#### **Additional Professional Qualifications:**

- PG Certificate in Industrial Pollution Prevention and Control, AIP, Chennai
- ISO 50001 and Sustainable Governance Systems training by BSI, Bangalore
- MS Office - Working Proficiency

## **VII. Research and Publications**

#### **Recent Publications:**

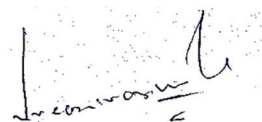
- "Mapping Policy Instruments for Low Carbon Investments in ASEAN Countries" in Financing for Low-Carbon Energy Transitions in. Springer -ERIA publication (2018).
- Co-authored a Paper on "Darcy's Law Applied to Fluidization of Thick Media" Published in "28 emes Journees Scientifiques du GFHN, Dijon, 25-26 November'2003"

#### **Speaking Engagements:**

#### **Awards and Recognition**

#### **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:06/02/2025  
Place: Hyderabad

[D Sreenivasulu]

#### **Profile Update History**

Last Updated: [Date]  
Next Review Due: [Date]

