

NATIONAL PRODUCTIVITY COUNCIL (NPC)

OFFICER PROFILE / CURRICULUM VITAE

1. BASIC INFORMATION

Name	Dr. D. Rajanikant	
Designation	Director (Grade II)	
Group / Division	Energy Management Division	
Regional / Branch Office	Regional Directorate, Hyderabad	
Official Email	rajanikant@npcindia.gov.in	
Official Contact No.	040-24733473	
Discipline / Specialization	Energy Management, Energy Efficiency, Sustainability and Resource Conservation	

2. AREAS OF EXPERTISE

- **Energy Management & Industrial Decarbonisation:** Energy efficiency, industrial energy management, sustainability and low-carbon transition strategies.
- **Energy, Water & Carbon Assessments:** Detailed energy and water audits, carbon footprint quantification and resource-efficiency assessments.
- **Energy Management Systems & Performance Verification:** ISO 50001:2018, Measurement and Verification (M&V) aligned with IPMVP/EVO frameworks, and energy performance assessment.
- **Strategic Project & Institutional Leadership:** Multidisciplinary project leadership, institutional resource mobilisation, business development, capacity building and national and international consultancy assignments.

3. PROFESSIONAL SUMMARY

Dr. D. Rajanikant is an Energy Management and Sustainability professional with over 23 years of experience, including more than two decades with the National Productivity Council (NPC). As Director (Grade II), he has proven leadership in institutional growth, strategic resource mobilisation, business development, and executing national and international programmes. His expertise spans energy efficiency, industrial decarbonisation, sustainability, and multidisciplinary project leadership. Holding a Ph.D. in Energy and Environment from the National Institute of Technology Tiruchirappalli (NITT), he combines technical excellence, research-driven insights, and strategic vision to advance NPC's institutional impact and global engagement.

4. EDUCATIONAL QUALIFICATIONS

Qualification	Specialization / Subject	Institution / University	Year	Remarks
Ph.D.	Energy and Environment; Research Title: Sustainable Solar Drying of Sugarcane Bagasse – Experimental and Policy Analysis	National Institute of Technology, Tiruchirappalli (NITT)	2026	Doctoral research integrating experimental investigation with policy analysis for sustainable biomass utilization.
M.Tech	Energy Systems	Jawaharlal Nehru Technological University, Hyderabad (JNTU-H)	2016	Advanced postgraduate qualification complementing technical and professional expertise
B.E.	Chemical Engineering	Madurai Kamaraj University	2001	Foundational engineering qualification supporting industrial consultancy and technical project leadership.

5. PROFESSIONAL EXPERIENCE

Organization	Designation	Period	Key Responsibilities	Key Achievements
National Productivity Council (NPC) – Regional Directorate, Hyderabad	Director (Grade II)	03.07.2019 – Present	Provide strategic and technical leadership for consultancy and capacity-building programmes. Drive business development and institutional resource mobilization; Lead multidisciplinary teams; oversee project delivery, quality assurance and stakeholder engagement; develop national and international partnerships	Led and delivered complex national and international consultancy assignments; strengthened institutional partnerships and client engagement; expanded consultancy opportunities and emerging service areas; contributed to international programme development and NPC's proposed consortium engagement with international agencies and development partners.

Organization	Designation	Period	Key Responsibilities	Key Achievements
National Productivity Council (NPC) – Regional Directorate, Hyderabad	Deputy Director, Energy Management Division	01.02.2010 to 02.07.2019	Managed energy-management consultancy assignments, client relationships, proposal development and project execution; coordinated technical teams and ensured timely, quality-driven delivery; supported business development and diversification of consultancy services.	Led energy audits and specialised technical studies, developed new consultancy and capacity-building opportunities, including IoT-enabled energy-efficiency services.
National Productivity Council (NPC) – Headquarters, New Delhi / Regional Directorate, Hyderabad	Assistant Director, Energy Management Division	03.10.2005 – 31.01.2010	Executed energy-management consultancy assignments, technical assessments and project activities; supported field investigations, technical analysis, report preparation and client coordination.	Contributed to the delivery of energy-efficiency consultancy projects and strengthened the technical foundation for subsequent project-management and leadership responsibilities.
Zenith Energy Pvt. Ltd., Hyderabad	Consultant	Feb 2005 – Sep 2005	Supported energy consultancy assignments, technical assessments and related project activities.	Gained practical experience in energy consultancy and industrial energy-performance assessment
AP Productivity Council, Hyderabad	Consultant	Feb 2003 – Jan 2005	Undertook productivity-oriented and technical consultancy activities, supporting client assignments and technical problem-solving.	Established a professional foundation in productivity improvement, technical consultancy and industry-oriented assignments.

6. KEY PROJECTS / ASSIGNMENTS

Project / Assignment	Role / Responsibility	Duration	Outcome / Impact
Emirates Energy Awards (EEA), Dubai, UAE – Dubai Supreme Council of Energy (DSCE), Government of Dubai	Team Leader – evaluation, technical analysis, client coordination and jury presentations	2013, 2015, 2017, 2021 and 2025	Led five editions of the Emirates Energy Awards, spearheading the technical evaluation and comparative assessment of applications from across the MENA region and other countries, including rigorous analysis of claimed energy-performance achievements, validation of supporting evidence, assessment of financial feasibility, and identification and shortlisting of high-performing energy-efficiency initiatives across diverse categories..
Mohammed bin Rashid Al Maktoum Global Water Award – Suqia / Dubai Electricity and Water Authority (DEWA), Dubai, UAE	Team Leader – evaluation, technical assessment and shortlisting of global water-saving innovations	2016	Led the technical evaluation and shortlisting of innovative water-conservation solutions for the Mohammed bin Rashid Al Maktoum Global Water Award, assessing global submissions for technical merit, innovation, water-saving potential, practical applicability and scalability, while ensuring rigorous evaluation, timely delivery and high-quality outcomes for the client.
Nepal Energy Efficiency Programme (NEEP) – GIZ / Energy Efficiency Centre, Kathmandu, Nepal	Expert Faculty / Trainer – Training of Trainers on energy audits and energy conservation	2016	Delivered a 19-day specialized training programme for Government of Nepal engineers, strengthening technical capacity in energy auditing and energy conservation.
Energy Audits and Measurement & Verification (M&V) – Aurobindo Pharma, Hetero Labs and Granules India	Team Leader – technical assessments, audit coordination and M&V studies	Multiple assignments	Led industrial energy audits and M&V assignments; Aurobindo Pharma audit/M&V work.
Mandatory Energy Audits – UltraTech Cement, KCP	Team Leader – energy and water audits, water-	Multiple assignments	Directed energy audits across cement and aluminium facilities, identifying

and Hindalco Aditya	balance studies and compressed-air assessments		opportunities for energy conservation and improved operational efficiency
Energy and Water Assessments – NTPC, NTECL, NIRD&PR and New Mangalore Port Trust	Team Leader – technical studies, programme coordination and implementation support	Multiple assignments	Delivered specialised technical assessments across power, institutional and port-sector facilities, supporting energy efficiency and resource conservation.
MSME Cluster Development, Cold-Chain and Industrial Efficiency Programmes	Team Leader – technical studies, programme coordination and implementation support	2022–26	Led 20 MSME cluster studies, contributed to integrated cold-chain and Agricultural Demand-Side Management (AgDSM) activities, and undertook Medak Cluster Project Management Consultancy (PMC) assignments.

7. TRAINING / CERTIFICATIONS

Training / Certification	Institution / Issuing Body	Year	Remarks
Certified Energy Auditor (EA-0773)	Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India	2006	Professional certification in energy auditing and industrial energy-efficiency assessment.
Accredited Energy Auditor (AEA-135)	Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India	2012	Accredited professional recognition in energy auditing; Received BEE Special Recognition / Certificate of Appreciation in 2024.
Certified Measurement & Verification Professional / Analyst (CMVP / PMVA)	Efficiency Valuation Organization (EVO), USA	2016	Professional credential in measurement and verification of energy performance and savings; certificate validity recorded up to 2029.
Lead Auditor Training – ISO 50001 Energy Management Systems	Training / issuing body not specified in dossier	2015	Specialised training in energy management systems auditing and assessment.

Training / Certification	Institution / Issuing Body	Year	Remarks
ISO 14064 – Greenhouse Gas (GHG) Accounting and Verification	Bureau Veritas	2026	Specialized training in greenhouse gas quantification, carbon footprint assessment, and emissions verification to support organizational carbon management and decarbonization initiatives.
LEED Green Associate / Accredited Professional programme training	USGBC-related training	2018	Professional development in green building principles and sustainable building practices.
Green Productivity;	Asian Productivity Organization (APO)	2012;	International training in green productivity and resource-efficient industrial practices.
Energy Conservation and Audit	Asian Productivity Organization (APO)	2018	International technical training in energy conservation and energy auditing.

8. PUBLICATIONS / PAPERS / PRESENTATIONS

- Policy Impacts on Bioenergy Development: Cross-Country Evidence Based on Analysis, Next Energy, Vol. 10, January 2026, Article 100494. DOI: 10.1016/j.nxener.2025.100494.
- Experimental Studies on the Effect of Moisture Content and Temperature on Moisture Effective Diffusivity and Activation Energy of Bagasse, Journal of Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor & Francis. DOI: 10.1080/15567036.2024.2370334.
- Detailed Energy Audit in a Captive Cogeneration Plant, IRJET, Vol. 02, Issue 01, April 2015.
- Detailed Energy Audit and Conservation in a Cement Plant, IRJET, Vol. 02, Issue 01, April 2015.
- Detailed Energy Audit and Conservation in Pumps, Energy Conservation Week Celebrations Special Issue, Institution of Engineers, December 2016.
- Detailed Energy Audit of a Captive Cogeneration Plant, Industrial Cogeneration India, Vol. 48, January 2018.

9. AWARDS / RECOGNITIONS

- Telangana State Energy Conservation Award 2017, Government of Telangana
- BEE Special Recognition / Certificate of Appreciation in 2024 for contribution to energy conservation as an Accredited Energy Auditor.

10. OTHER RELEVANT INFORMATION

Professional profile is supported by membership and professional affiliation with recognized technical and professional institutions in the fields of engineering and technical education.

- Member, Institution of Engineers (India) (MIE)
- Member, Indian Society for Technical Education (MISTE)
- Member, Solar Energy Society of India (MSESI)
- Chartered Engineer, Institution of Engineers (India)

Declaration: I hereby declare that the details furnished above are true and complete to the best of my knowledge and belief.

Place : Hyderabad

Date 09.10.2026



Signature of the Officer
Name: Dr. D. Rajanikant