

# 100 GW BY 2047

## INDIA'S NUCLEAR ROADMAP AND THE NEW SHANTI ACT

**JAN** THURSDAY  
**29** 6.00 PM - 7.30 PM  
**2026** MMA MANAGEMENT CENTER



HANSRAJ VERMA, IAS (RETD)



M NANDAKUMAR



M CHANDRASEKAR



C SIVA KUMAR



## SYNOPSIS

### **“100 GW by 2047: India’s Nuclear Roadmap and the New Shanti Act”**

India’s ambition to achieve 100 GW of nuclear power generation capacity by 2047 marks a bold and strategic step in building a resilient, low-carbon and energy-secure future. With growing demand for clean and reliable base-load power, nuclear energy is increasingly being recognised as an essential pillar alongside renewables, storage, and efficiency measures.

The recent enactment of “The Shanti Act”, passed by Parliament, is a landmark policy reform that opens the nuclear pathway and enables private participation in India’s nuclear power ecosystem. Beyond enabling private involvement, the Act is expected to encourage investment, expand domestic manufacturing and supply chains, accelerates project delivery, and foster innovation, while ensuring robust safety, regulatory oversight, and national security imperatives.

The seminar aims to:

- Provide a clear understanding of the Shanti Act and its key provisions.
- Examine India’s roadmap toward 100 GW nuclear capacity by 2047—milestones, requirements, and critical success factors.
- Explore how private sector participation could be structured responsibly and effectively.
- Enable entrepreneurs and professionals to identify business opportunities in the evolving nuclear ecosystem.
- Facilitate informed discussion on regulation, governance, risk-sharing, and best practices.

### **Panel Discussion:**

#### **“What Business Models Will Work for Private Participation in Nuclear?”**

With the opening of India’s nuclear sector, a crucial question is how private participation can be structured in ways that are commercially viable, safe, and aligned with national priorities. This panel will examine global practices and explore models suitable for India’s context

## PROGRAMME

5:15 PM Registration & High Tea

6:00 PM Welcome & Introductory Remarks

**Mr C Siva Kumar**

Member, MMA Managing Committee

Director, Roots Industries India Ltd & Partner, Timelinks

6:05 PM Address by the Speakers on “100 GW by 2047: India’s Nuclear Roadmap and the New Shanti Act”

**Mr Hans Raj Verma, IAS (Retd)**

Director General, COSIDICI

Former Chairman – TNEB, TEDA

Member of the India Energy Forum

**Mr M Nandakumar**

Managing Director

Nanwin Energy LLP

**Er. M Chandrasekar**

Former Chairman

Tamil Nadu Electricity Regulatory Commission (TNERC)

6.55 PM Q & A Session

7:20 PM Vote of Thanks

**Gp Capt R Vijayakumar (Retd), VSM**

Executive Director

Madras Management Association

7:25 PM End of the Programme

## PROFILE



### **Mr Hans Raj Verma, IAS (Retd)**

*Director General, COSIDICI*

*Former Chairman – TNEB, TEDA*

*Member of the India Energy Forum*

Mr Hans Raj Verma is a distinguished Indian Administrative Service officer with nearly four decades of exemplary service in the Tamil Nadu cadre. Known for his visionary leadership and commitment to inclusive development, he currently serves as the Director General of the Council of State Industrial Development and Investment Corporations of India (COSIDICI) and the Chairman of ITCOT Ltd., Chennai. His current roles reflect his deep dedication to national development through institutional strengthening and sustainable industrial growth. Over the course of his career, Mr Verma has held pivotal leadership positions across sectors including industry, infrastructure, environment, rural development, MSME, IT, and governance. His multidimensional expertise is complemented by his role as a Member of the Working Group/Expert Committee of the National Biodiversity Authority, an autonomous body under the Ministry of Environment, Forest and Climate Change, Government of India.

As Director General of COSIDICI, Mr Verma has brought a renewed strategic focus to the organisation, especially in promoting Environmental, Social, and Governance (ESG) compliance, sustainable business practices, and the growth of the MSME sector. Under his stewardship, COSIDICI has actively convened and supported impactful events and seminars on themes such as ESG integration, carbon management, Industry 4.0, and sustainable innovations in critical sectors including leather and defence manufacturing. These forums have fostered valuable knowledge exchange, policy dialogue, and cross-sector collaboration among stakeholders.

A strong proponent of future-ready development, Mr Verma envisions COSIDICI as a catalyst for empowering State-Level Financial Institutions (SLFIs) and accelerating MSME growth through innovative policy initiatives, capacity building, and strategic partnerships. His leadership continues to align national aspirations with global sustainability goals, placing COSIDICI at the forefront of industrial transformation and responsible growth.

## PROFILE



### **Mr M Nandakumar**

*Managing Director*

*Nanwin Energy LLP*

Mr. M. Nandakumar is a seasoned professional with 39 years of experience in executing large turnkey projects across the Power (including renewables), Oil & Gas, and Industrial sectors in India and globally.

He previously served as Managing Director of EDAC Engineering Ltd (formerly SPIC JEL Engineering Ltd) and began his career as an Engineering Management Service Trainee in SPIC. His leadership spans business development, marketing, project management, and contract execution, including establishing and operating overseas entities in UAE, Kuwait, Oman, Saudi Arabia, Malaysia, and more.

Mr. Nandakumar holds a Master's in Industrial Management (IIT Madras, 1992) and a Bachelor's in Mechanical Engineering (CEG, Anna University, 1984). He is a Project Director - Level A (IPMA/PMA India, 2017) and a Certified Executive Consultant & Coach (IPMA-CECC, 2023). He is also an alumnus of the Terra.do (USA) Climate Change - Learning for Action program (2023).

He is actively associated with several professional bodies including FICCI, PMA, Tamil Chamber of Commerce, AACEG, IIT Arbitrators, and Institution of Engineers (FIE). He served as Treasurer of AACEG (2021-23) and currently serves as Convener of the Energy Panel, FICCI Tamil Nadu State Council, leading multiple energy initiatives and media engagements.

He is also an Advisor to Asia Power Electrical Pvt Ltd (Voltech Group), supporting strategy and new opportunity identification. Known for advancing project delivery excellence, he pioneered Lean Construction practices in India's power sector and is trained in Risk Management (IIM Ahmedabad).

In his next phase, Mr. Nandakumar is keen to collaborate, support, and advise energy-related businesses, while continuing to contribute through guest lectures and mentoring the younger generation.



## PROFILE



### **Er. M Chandrasekar**

*Former Chairman*

*Tamil Nadu Electricity Regulatory Commission (TNERC)*

Er. M. Chandrasekar, a distinguished alumnus of PSG College of Technology, Coimbatore, graduated with a Bachelor of Engineering (Honours) in 1983. He went on to build an illustrious career spanning nearly 33 years with TANGEDCO, during which he acquired vast experience and demonstrated exceptional expertise across all segments of the power sector. During his tenure as Director (Generation), he spearheaded significant initiatives that led to remarkable improvements in the efficiency and performance of thermal power generation plants, leaving an enduring impact on the State's energy landscape.

Following his superannuation, Er. Chandrasekar was appointed by the Government of Tamil Nadu as the Chairperson of the Tamil Nadu Electricity Regulatory Commission (TNERC). Under his visionary leadership, the Commission introduced several progressive reform measures and robust regulatory frameworks, aimed at safeguarding consumer interests while ensuring the sustainability of the power sector.

Notably, the State Distribution Utility—once widely perceived as a “sinking ship”—has achieved a commendable financial turnaround, largely attributable to the historic Multi-Year Tariff framework implemented for the first time in the State under his chairmanship.

## PROFILE



### **Mr C Siva Kumar**

*Member, MMA Managing Committee*

*Director, Roots Industries India Ltd & Partner, Timelinks*

A Strategic thought leader, Quality Driven, Passionate serial entrepreneur, he has nearly redefined the perception of the Small and Medium Industry in the Manufacturing space, especially around Asset Light Manufacturing, apart from guiding his Retail organizations towards an innovative and customer centric excellence model.

A Strategic thinker, he believes in creating and sharing wealth, which he has demonstrated across the group, a mid-tier conglomerate, straddling the domains of Asset Light Manufacturing, Consultancy and Retail.

His trend setting HR initiatives has been featured regularly in most leading business journals like The Business Line, Economic Times, Auto Monitor, The Business Standard, The Financial Express to name a few.

He is currently the Director – Roots Industries India Limited, Skillveri Training Solutions Pvt Ltd, Planys Technologies, Managing Partner – R.V. Industries, Prabha Associates, Partner – Timelinks and Partner & Promoter – Punniamoorthi Pillai Departmental Stores.

He is winner of various national and state awards which includes the “Inc India Award” for the top 100 people to be watched out for the “Excellence in HR Practices”.

## CONNECT WITH US



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