



NUCLEAR LAW ASSOCIATION
INDIA



Certificate Course on “Nuclear Energy and Law”

6 -11, March 2017

**TERI University, Institutional Area
Vasant Kunj, New Delhi**

Course Director:

Dr. M P Ram Mohan, Associate Professor, TERI University, New Delhi
Phone: (+91) 92127-63410, Email: mprmohan@teri.res.in

Course Coordinator:

Ms. Rishika Singh, Lawyer and Researcher
Phone: (+91) 88004-56888, Email: singhrishika@gmail.com

Objective:

The objective of the NLA-TU Winter Course is to familiarise the participants with:

1. the basic understanding of nuclear science and technology;
2. the legal history and international engagement, with a focus on Global South;
3. the IAEA - its history, codes and guidelines -, and international nuclear treaties;
4. regulatory structures and liability regimes of select jurisdictions; and
5. India's nuclear laws and regulatory processes, siting and consent procedures, environmental law and judicial decisions in India.

Study Trip to Narora Nuclear Power Plant

In association with the Nuclear Power Corporation of India Ltd. (NPCIL), a technical study trip to the Narora Nuclear Power Plant in UP is planned. The trip is only for Indian nationals.

Participants (max. 35):

- Lawyers, legal advisers, law faculty and researchers;
- Nuclear scientists, policy makers, and officials from various nuclear institutions;
- Representatives from regulatory institutions and company professionals;
- Social science researchers and faculty; and
- PhD students; and 4th and 5th year law students.

Certificate & Venue

Certificate of participation will be given. The Program will be held at TERI University, New Delhi.

Fees for 6-day course

1. Rs. 25,000 per person.
2. Rs 60,000 for three persons from the same organization.
3. Rs. 10,000 for NLA members and Rs. 7500 for students.

The fee includes - lunch and tea for the duration of the course, the course materials and travel to the Narora Nuclear Power Plant. Accommodation is not covered.

Accommodation:

Limited numbers of single (Rs. 500/-) and shared rooms (Rs. 250/-) available per day near the University campus. Interested participants may contact course coordinator.

Scholarships

NLA provides scholarships in the form of full tuition fee waiver to deserving candidates from South Asia and South East Asia. Candidates are requested to write to the course coordinator.

Faculty

Dipankar Bandyopadhyay:	Partner, VERUS Advocates
Noriko Endo:	Project Professor, University of Keio, Japan
Suresh Gangotra:	Head, Safety, Security and Safeguards Division, DAE
Shibani Ghosh:	Lawyer; Fellow, Centre for Policy Research
Amandeep Singh Gill:	Joint Secretary, DISA, Ministry of External Affairs
Ravi B Grover:	DAE Homi Bhabha Chair Professor; Member, Atomic Energy Commission
S Harikumar:	Secretary, Atomic Energy Regulatory Board
Odette Jankowitsch:	Former Senior Legal Officer, IAEA
Wolfram Tonhauser:	Head, Nuclear and Treaty Law Section, International Atomic Energy Agency (IAEA)
Professor P C Kesavan:	Distinguished Fellow, MS Swaminathan Research Foundation
Vinod Kumar:	Author; Fellow, Institute of Defence Studies and Analysis, New Delhi
M P Ram Mohan:	Associate Professor, Centre for Post Graduate Legal Studies, TERI University, New Delhi
A N Nandakumar:	Former Head, Radiological Safety Division, AERB
Bhaskar Pandit:	Chief Engineer, Nuclear Power Corporation of India Limited
Patrick Reyners:	Former Head of Legal Affairs at OECD- Nuclear Energy Agency, Paris
Y Ramulu:	General Manager, General Insurance Corporation of India
Kimberly Sexton:	Lawyer, Legal Affairs Section, OECD -NEA
Amb. Sheel K Sharma:	Former Ambassador and Permanent Representative of India to IAEA
M V Shiju:	Associate Professor, Centre for Post Graduate Legal Studies, TERI University
Tyson R Smith:	Partner, Winston & Strawn LLP, United States

Course Program

Day 1 (Monday 6, March 2017): Nuclear Energy; India's Nuclear Energy Program; and International Institutions and Negotiations

- Nuclear energy development: evolution - science to technology; nuclear energy fuel cycle; current NPPs / types of technology
- India's nuclear energy program: evolution, technology program, governance structures
- Introduction to international nuclear law, the IAEA – its role and functions -, safeguards
- Nuclear Non-Proliferation Treaty & Nuclear Suppliers Group, along with case study
- The US-India Agreement, 2008; India specific IAEA safeguards agreement; NSG negotiations and waiver; nuclear trade and commerce; Iran Nuclear Deal

Welcome Reception

Day 2 (Tuesday 7, March 2017): Radiation Protection, Nuclear Safety and Nuclear Security

- Radiation protection: basic understanding, philosophy, Indian and international system of radiation protection standards
- Nuclear safety concepts; IAEA Code of Conduct on the Safety and Security of Radioactive Sources
- Convention on Nuclear Safety; Convention on the Safety of Radioactive Waste Management and Spent Fuel Management
- Convention on the Physical Protection of Nuclear Material, 1980 and 2005 Amendment
- Nuclear security: International Instruments + 2005 Amendment
- Illicit trafficking and nuclear terrorism: including UN Convention on Nuclear Terrorism, 2005
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Special talk: Fukushima accident and changes in regulatory and liability laws in Japan

Day 3 (Wednesday 8, March 2017): Nuclear Transport & Regulatory Systems

- International law of nuclear transport; Nuclear transport regime in India
- Convention on Early Notification of a Nuclear Accident, 1986; Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency, 1987
- Nuclear regulatory process in United States - NRC- licensing process, public consultation, etc.
- Nuclear regulatory regime in India; AERB safety, consent and licensing codes; NSRA Bill, 2011
- Comparative regulatory regimes from the OECD: best practices in regulation, consent process, public consultation and involvement

Case study & group work: Nuclear Energy and Regulation

Day 4 (Thursday 9, March 2017): Nuclear Projects and Environmental and Social Laws; Judicial Decisions in India

- Environmental law and nuclear projects: statutory consents, Environmental Impact Assessment procedures, public consultation and National Green Tribunal decisions
- Land acquisition and nuclear projects: Land Acquisition and Resettlement Act, 2014; Rules and the proposed new amendments
- Kudankulam Judgement of Supreme Court: case analysis

Round Table Discussion: Perspectives from the Operator and Civil Society

Day 5 (Friday 10, March 2017): Nuclear Emergency Conventions & Liability – International & India

- International nuclear liability and insurance principles: Paris and Joint Protocol, Vienna and CSC regimes, INLEX activities
- United States nuclear liability law: Price Anderson Act and case laws
- India: The Civil Liability for Nuclear Damage Act, 2010 and related Rules
- Nuclear Insurance in India: Indian Nuclear Insurance Pool (INIP) and its operation

Case study & group work: Nuclear Liability Law

Certificate Distribution

Day 6: (Saturday 11, March 2017) Study visit to Narora Nuclear Power Plant (Uttar Pradesh)

Notes on study visit:

- Narora is approximately 160 Kms from Delhi and will take 6-7 hours to reach.
- Every participant should carry a valid ID proof with your address and photo.
- The trip will start at 6 AM from Vasant Kunj and return to Delhi is expected only by 8 PM.
- Participants who are part of the study trip are requested to keep their return home travel plans accordingly.

Participation Form

Name	
Employer/Self-employed/student If student, College/University details. Enclose a copy of ID Card. Full address for communication Phone & Email	
Study trip of NPP: “Yes” or “No” If yes, please give your date of birth <i>(Study trip only for Indian nationals)</i>	
Fee Category applied	
Cheque/DD details – Cheque/DD should be favouring, “ Nuclear Law Association ” and payable at New Delhi and addressed to:	M P Ram Mohan Associate Professor TERI University, 10 Institutional Area Vasant Kunj-110070, New Delhi, INDIA
Internet Transfer <i>Kindly send a copy to internet transfer to: singhrishika@gmail.com</i>	Account Name: Nuclear Law Association Account No: 053800201000810 IFSC Code: CORP0000538 Bank & Address: Corporation Bank, Vasant Kunj, New Delhi

- 1. Send hard copy of participation form + payment to TERI University Address**
- 2. Send soft copy of the participation form to: singhrishika@gmail.com**