

# **Certificate Course on “Nuclear Energy and Law”**

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**Monday 11 – Saturday 16, January 2016**

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

## **Supporting Law Firms**



## Certificate Course on “Nuclear Energy and Law”

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### 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 functioning of a nuclear power plant;
4. the IAEA - its history, codes and guidelines -, and international nuclear treaties;
5. regulatory structures and liability regimes of select jurisdictions; and
6. 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.

### Faculty - Legal, Scientific, Industry and Diplomacy Professionals from:

- International Atomic Energy Agency (IAEA)
- Department of Atomic Energy (India)
- OECD - Nuclear Energy Agency (OECD-NEA)
- Diplomats, lawyers, nuclear insurance industry and research Institutes

### Participants (max. 35):

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

### Certificate & Venue

A Certificate will be given to all the participants. 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. 5000 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.

*The above rates are applicable for participants who confirm their enrolment before 1st January 2016. 25% increase in all mentioned rates will apply after this date.*

## Faculty

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<b>Mohit Abraham:</b>	Advocate on Record, Supreme Court of India
<b>R Bhattacharya:</b>	Vice-Chairman, Atomic Energy Regulatory Board (AERB)
<b>Shyam Divan</b>	Senior Advocate, Supreme Court of India
<b>Noriko Endo</b>	Project Professor, University of Keio, Japan
<b>Shibani Ghosh</b>	Lawyer; Fellow, Centre for Policy Research
<b>Ravi B Grover:</b>	Vice Chancellor, Homi Bhabha National Institute (HBNI)
<b>Odette Jankowitsch:</b>	Former Senior Legal Officer, IAEA
<b>Peri Johnson</b>	Director of Legal Affairs, International Atomic Energy Agency (IAEA)
<b>Professor P C Kesavan:</b>	Distinguished Fellow, MS Swaminathan Research Foundation
<b>Vinod Kumar:</b>	Author & Fellow, Institute of Defence Studies and Analysis, New Delhi
<b>M P Ram Mohan:</b>	Associate Professor, TERI University, New Delhi
<b>Patrick Reyners:</b>	Former Head of Legal Affairs at OECD- Nuclear Energy Agency, Paris
<b>Y Ramulu</b>	General Manager, General Insurance Corporation of India
<b>Kimberly Sexton:</b>	Lawyer, Legal Affairs Section, OECD -NEA
<b>Ambassador Sheel K Sharma:</b>	Former Ambassador and Permanent Representative of India to IAEA
<b>M V Shiju:</b>	Department of Public Policy, TERI University
<b>Tyson R Smith</b>	Partner, Winston & Strawn LLP, United States

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## Course Directors:

- Dr. M P Ram Mohan, Associate Professor, TERI University, New Delhi  
Phone: (+91) 92127-63410, Email: [mprmohon@teri.res.in](mailto:mprmohon@teri.res.in)
- Dr. R Rajesh Babu, Associate Professor, Indian Institute of Management, Kolkata  
Phone: (+91) 98310-31540, Email: [rajeshbabu@iimcal.ac.in](mailto:rajeshbabu@iimcal.ac.in)

## Coordinator & enquiry:

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

## Accommodation:

Based on request, accommodation assistance will be provided. Interested participants may contact:  
Mr. Vikas Bhati, Email: [vikas.bhati@teriuniversity.ac.in](mailto:vikas.bhati@teriuniversity.ac.in) Mobile: (+91) 98732-49925. Kindly copy a mail to Ms. Rishika Singh.

## Course Program

### Day 1 (Monday 11 January, 2016): Nuclear Science & Technology / 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

### Panel Discussion: Iran Nuclear Deal

### Welcome Reception and Dinner event

### Day 2 (Tuesday 12 January, 2016): 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 13 January, 2016): Nuclear Transport & Regulatory Systems

- International law of nuclear transport
- 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 14 January, 2016): 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 15 January, 2016): 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: 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

<b>Name</b>	
<b>Employer/Self-employed/student</b> <b>If student, College/University details.</b> <b>Enclose a copy of ID Card.</b> <b>Full address for communication</b> <b>Phone &amp; Email</b>	
<b>Study trip of NPP: “Yes” or “No”</b> <b>If yes, please give your date of birth</b> <i>(Study trip only for Indian nationals)</i>	
<b>Fee Category applied</b>	
<b>Cheque/DD details –</b>  Cheque/DD should be favouring, <b>“Nuclear Law Association”</b> 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
<b>Internet Transfer</b>  <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**