



**SECRETARIAT OF THE CONFERENCE ON INTERACTION  
AND CONFIDENCE BUILDING MEASURES IN ASIA**

**СЕКРЕТАРИАТ СОВЕЩАНИЯ ПО ВЗАИМОДЕЙСТВИЮ  
И МЕРАМ ДОВЕРИЯ В АЗИИ**

**№ 14-6/319**

*Enclosure:  
as stated, on 8 p.*

The Secretariat of the Conference on Interaction and Confidence Building Measures in Asia (CICA) presents its compliments to the CICA Member States and with reference to Secretariat's note №14-6/221emb dated 22 April 2021 has the honour to forward the tentative program of online ***Workshop on Energy Security*** scheduled to be organised by Republic of India on **18 June 2021**.

The Secretariat avails itself of this opportunity to renew to the CICA Member States the assurances of its highest consideration.

Nur-Sultan, 7 June 2021

**MEMBER STATES  
OF THE CONFERENCE ON INTERACTION  
AND CONFIDENCE BUILDING MEASURES  
IN ASIA**





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Секретариат Совещания по взаимодействию и мерам доверия в Азии (СВМДА) свидетельствует свое уважение государствам-членам СВМДА и, ссылаясь на ноту Секретариата №14-6/221emb от 22 апреля 2021 года, имеет честь препроводить предварительную программу ***Семинара в области энергетической безопасности***, который будет организован Республикой Индия в режиме онлайн **18 июня 2021 года**.

*Приложение:  
упомянутое,  
на 8 л.*

Секретариат пользуется случаем, чтобы возобновить государствам-членам СВМДА уверения в своем весьма высоком уважении.

город Нур-Султан, 7 июня 2021 г.



**ГОСУДАРСТВА-ЧЛЕНЫ  
СОВЕЩАНИЯ ПО ВЗАИМОДЕЙСТВИЮ И  
МЕРАМ ДОВЕРИЯ В АЗИИ**

Қосымша:  
аталған 8 п.

Азиядағы өзара іс-қимыл және сенім шаралары кеңесінің (АӨСШК) Хатшылығы АӨСШК мүше мемлекеттеріне өзінің зор ілтипатын білдіре отырып, Хатшылықтың 2021 жылғы 22 сәуірдегі №14-6/221emb нотаға қосымша ретінде **2021 жылғы 18 маусымда** Үндістан Республикасы өткізетін **Энергетикалық қауіпсіздік бойынша онлайн-семинарына** қатысты алдын ала бағдарламаны жолдауды өзіне мәртебе санайды.

Хатшылық осы мүмкіндікті пайдалана отырып, АӨСШК мүше мемлекеттеріне өзінің зор ілтипатын тағы да растайды.

Нұр-Сұлтан қаласы, 2021 жылғы 7 маусым

**АЗИЯДАҒЫ ӨЗАРА ІС-ҚИМЫЛ ЖӘНЕ  
СЕНІМ ШАРАЛАРЫ КЕҢЕСІНІҢ МҮШЕ  
МЕМЛЕКЕТТЕРІ**

## **Workshop on Renewable Energy for Energy Security for CICA**

**Member States**

**(June 18, 2021)**

### **PROGRAMME**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
18 <sup>th</sup> June, 2021	10.30 AM to 11.30 AM (IST) GMT + 5.30 hrs	Dry Run
18th June 2021	11:30 AM to 16:00 Hrs (IST) GMT + 5.30 hrs	Webex
Medium of Communication		English

#### **Inaugural Session (11:30 AM to 12:05 PM)**

1.1	Welcome Address	<b>Mr. Sandeep Arya</b> , Joint Secretary, Ministry of External Affairs, GoI	11:30 AM to 11:40 AM
1.2	Inaugural Address	Secretary, Ministry of New and Renewable Energy, GoI	11:40 AM to 11:50 AM
1.3	Special address	Director General, International Solar Alliance	11:50 AM to 12:05 PM

#### **Session-2 /Theme-1 (12.05 PM to 13.10 PM)**

**Renewable Energy : A Pathway for Energy Transition and Sustainable Development.**

(Session Moderator: CEO, Council on Energy, Environment and Water )

**Opening Remarks by Moderator: 12.05 PM to 12.10 PM**

2.1	Solar Technologies for Sustainable Development	<b>Dr. Arun K Tripathi</b> , Director General, National Institute of Solar Energy, India	<b>12:10 PM to 12:20 PM</b>
2.2	Sustainable energy solutions for energy transition	<b>Prof. Sivanappan Kumar</b> , Department of Energy, Environment and Climate Change, Asian Institute of Technology, Bangkok, Thailand	<b>12:20 PM to 12:30 PM</b>
2.3	Energy Transition towards Hydrogen Economy	<b>Eiji Ohira</b> , Director General, Fuel Cell and Hydrogen Group, New Energy and Industrial Technology Development Organization (NEDO)	<b>12:30 PM to 12:40 PM</b>
2.4	Renewable Energy: A Pathway for Energy Transition and Sustainable Development	<b>Dr. Yaowateera Achawangkul</b> , Senior Professional Level, Department of Alternative Energy, Ministry of Energy, Thailand	<b>12:40 PM to 12:50 PM</b>
2.5	Renewable Energy to Achieve 2020 Carbon Neutrality	<b>Hyunyoung OH</b> , Associate Research Fellow at Korea Energy Economics Institute, Korea	<b>12:50 PM to 13:00</b>
2.6	Any other speaker		
2.7	<b>Discussion and Q&amp;A by Moderator</b>		<b>13:00 to 13:10</b>

**Short Lunch Break (13: 10 to 13: 30 PM)**

**Session 3/ Theme-2**

**(13.30 PM to 14.20 PM)**

**Role of Renewable Energy in Energy Security**

(Session Moderator: MD, Solar Energy Corporation of India)

Opening Remarks by Moderator: **13.30 to 13.35**

3.1	Renewable energy for Energy security	<b>Representative from IRENA</b>	13:35 to 13:45
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3.2	Financing Renewable Energy projects: Current Status and Opportunities	Director, Energy Division, South Asia Department, Asian Development Bank or CMD, Indian Renewable Energy Development Agency	13:45 to 13:55
3.3	Renewable Energy for Energy Security: Experiences from Sri Lanka	<b>Mr. Sulakshana Jayawardana</b> Director General Sri Lanka Sustainable Energy Authority Sri Lanka	13:55 to 14:05
3.4	Renewable Energy sources in ensuring energy security	<b>Mr. R Vakhobov</b> , Head of Department of Uzbekhydroenergo JSC & <b>Mr. B Bakhriddinov</b> , Leading Specialist of Uzbekhydroenergo, Uzbekistan	14:05 to 14:15 PM
3.5	<b>Bangladesh</b>	TBC	14:15 to 14:25
3.6	Any other speaker		
3.7	<b>Discussion and Q&amp;A by Moderator</b>		<b>14:25 to 14:35 PM</b>
<b>10 minutes Break (14: 35 to 14: 45)</b>			
<b>Session -4/ Theme-3 (14.45 PM to 1.00 PM)</b>			
<b><u>Research and Development in the Renewable Energy sector</u></b> (Session Moderator: Representative from SERIS Singapore/CICA member state) Opening Remarks by Moderator: <b>14.45 to 14.50</b>			
4.1	Recent developments and future prospects in Wind Energy Research	<b>Dr. K. Balaraman</b> , Director General, National Institute of Wind Energy India	14:50 to 15:00
4.2	Recent developments and future prospects in Solar Energy Research	<b>Prof. B. G. Fernandes</b> , Principal Investigator, National Centre for Photovoltaic Research and Education (NCPRE), India	15:00 to 15:10

4.3	Recent developments and future prospects in Bio-Energy Research	<b>Prof S Dasappa</b> , Professor, Indian Institute of Science Bangalore, India	15:10 to 15:20
4.4	North East Asian Power Interconnection	<b>Mr. Enebish Munkhbileg</b> , Renewable Energy Specialist, Ministry of Renewable Energy, Mongolia	15:20 to 15:30
4.5	Any other speaker		
4.6	Discussion and Q&A by Moderator		15:30 to 15:40
<b>10 minutes Break</b>			
5.1	<b>Conclusion, Summary and Way forward.</b>	Joint Secretary, Ministry of New and Renewable Energy, GoI Director, MEA GoI Representative from CICA Secretariat	15:40 to 15:50 PM
5.2	<b>Vote of thanks.</b>	Director General, NISE	15:50 PM to 16:00 PM
<b>End of Workshop</b>			
<i>**Time as per IST</i>			

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### Contact Details:

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## **Background Note to the Agenda**

Renewable Energy (RE) can play an important role in ensuring sustainable development and energy security. The proportion of Renewable Energy in the Energy mix has been steadily increasing across the world due to global attention on the need to mitigate greenhouse gas emissions. This priority was reinforced by the signing of the Paris Agreement in December 2015. This process has been aided by the rapidly decreasing cost of RE particularly through technological advancement.

In pursuit of its Nationally Determined Contribution (NDC) commitments, Government of India has announced a target of achieving 175 GW of installed of Renewable Energy capacity by the year 2022 and 450 GW by 2030. As on 30<sup>th</sup> April 2021, 95.01 GW of Renewable Energy capacity has already been commissioned another 50.01 GW of RE capacity is under implementation and 28.11 GW is under tendering. India's RE power capacity is the 4<sup>th</sup> Largest in the World and the annual RE capacity addition has been exceeding that of coal based thermal power since 2017. To meet its ambitious targets India has taken several initiatives.

Renewable energy deployment through grid connected/distributed Solar PV, Onshore/Offshore wind farms, bio energy solutions ranging from BioCNG, Cogeneration, Liquid Bio Fuels and Waste to Energy plants etc. can cater for both long and short term energy requirements, thus playing a crucial role in Energy Transition. However, this would involve meeting the challenges of intermittency, grid integration & balancing in the electricity sector while simultaneously expanding the foot print of RE in Transport and Industry. International cooperation in fields like Hydrogen and Energy Storage can greatly help in meeting these objectives.

International cooperation can also help in ensuring availability of low cost finance for RE particularly in countries where RE capabilities are limited.

## **Workshop Theme and Agenda:-**

The workshop on '**Renewable Energy for Energy Security**' is an endeavour to facilitate exchange of knowledge and experience in the area of Renewable Energy. The structure of the workshop is outlined below:

### **Workshop Themes:-**

- Theme 1: Renewable Energy : A Pathway for Energy Transition and Sustainable Development

The focus of discussion under this theme will primarily outline the experience gained in implementing RE technologies like Solar PV, Wind, Waste to Energy etc. The discussions may also dwell upon the upcoming field like Hydrogen and Energy Storage. The session will include following subjects but will not be limited to these:

- *Sharing of lessons learnt during implementation of Renewable Energy projects, including case studies which offer insights into the management of such projects.*
- *Planning for implementing projects based on Energy Storage and Hydrogen.*

- Theme 2: Role of Renewable Energy in Energy Security

The focus of discussion under this theme will be the role of Renewable energy in augmenting uninterrupted energy supplies at affordable prices to consumers. This includes energy supplies to the vital sectors of the economy, like industry, food, health care and other critical services. The session will include following subjects but will not be limited to these:

- *Diversification of energy mix using RE sources.*

- *Planning and implementation of RE energy projects.*
- *Overview of financing in RE projects.*

- Theme 3: Research and Development in the Renewable energy sector

The discussion under this theme will concern Research and Development activities and possibilities in the Renewable energy sector. It will include following subjects but will not be limited to these:

- *Existing status of Research and Development activities in the RE sector.*
- *Planning ahead for Research and Development in the RE sector.*

### **Workshop Outcome**

The workshop is expected to result in emphasizing the importance of RE in the energy mix for enhancing energy security of CICA member countries. This is further expected to contribute to greater development and deployment of RE in member countries. The workshop will also provide opportunities for enhanced understanding and cooperation in the field of Renewable Energy among the CICA Member States.

### **Workshop Participants**

- i. Representatives of Government of India (MEA, MNRE).
- ii. Representatives from CICA Member States.
- iii. Representatives from State Nodal Agencies under MNRE.
- iv. Representatives from ISA/IRENA/IEA.
- v. Representatives from Indian educational and research institutes, industries etc. as nominated by Government of India.

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