

**Azadi ka Amrit Mahotsav**  
**to commemorate 75 years of progressive Independent India**

**REPORT OF THE TWELFTH EVENT**

**“Webinar on Offshore Wind Energy”**

NIWE with the support of MNRE has scheduled sixteen events to commemorate 75 years of progressive Independent India (Azadi Ka Amrit Mahotsav).

The twelfth event, “**Webinar on Offshore Wind Energy**” was successfully conducted on 10<sup>th</sup> May 2023.

The announcement about the event carrying the instructions was hosted in NIWE website and circulated through Social Media pages along with the Flyer given below.

**Azadi Ka Amrit Mahotsav**  
to commemorate the 75 years of progressive Independent India

**G20**  
INDIA 2023

As part of the Azadi ka Amrit Mahotsav, NIWE has scheduled sixteen (16) Events with the support of Ministry of New and Renewable Energy (MNRE)

**12<sup>th</sup>**  
EVENT


**Webinar on OFFSHORE WIND ENERGY**

**10<sup>th</sup> May 2023**  
**4.00 - 5.00 pm**

**Speaker**  
**Dr. RAJESH KATYAL**  
Director General (Additional Charge)  
NIWE

Registration Link : <https://forms.gle/vAowyVCz7DxSTkm79>

For more information, please contact **Dr. P. KANAGAVEL**  
Director and Head, Skill Development and Training & Infrastructure Management Division  
Mobile : +91 9445798007 Ph. : +91-44-22463982 / 83 / 84 E-mail : pkanagavel@niwe.res.in

 **NATIONAL INSTITUTE OF WIND ENERGY**  
An autonomous Research & Development Institution  
Ministry of New and Renewable Energy, Government of India  
CHENNAI

The event was conducted online, enabling large number of participants to take part in the Webinar.

### **REGISTRATION**

After the announcement, 207 candidates registered and 72 participants have attended the event.

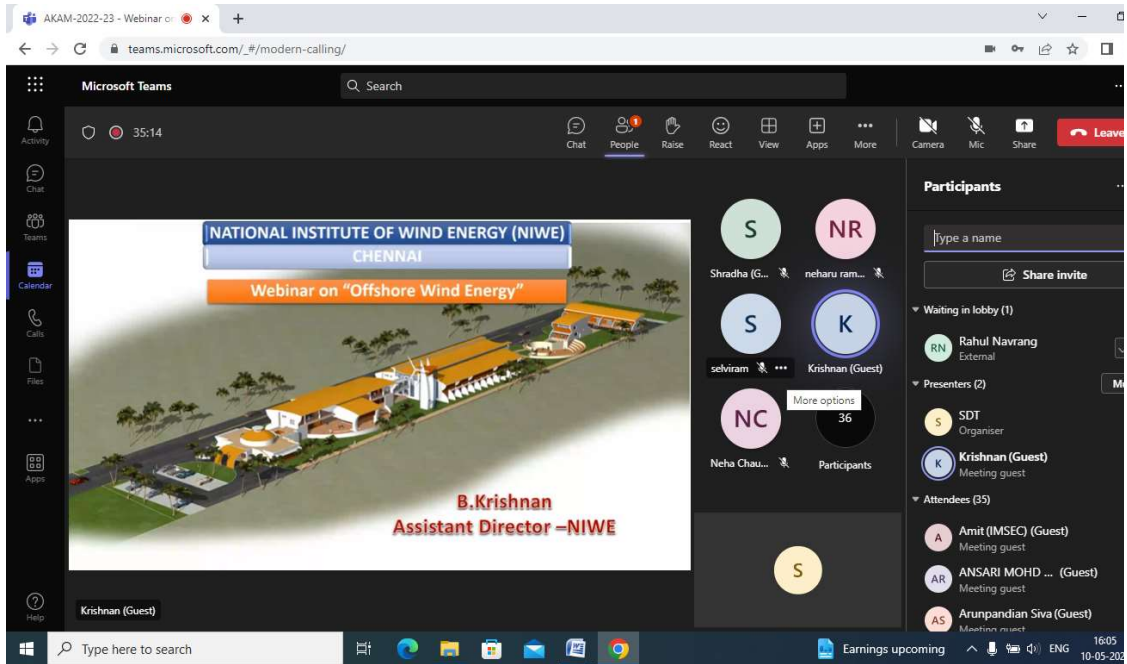
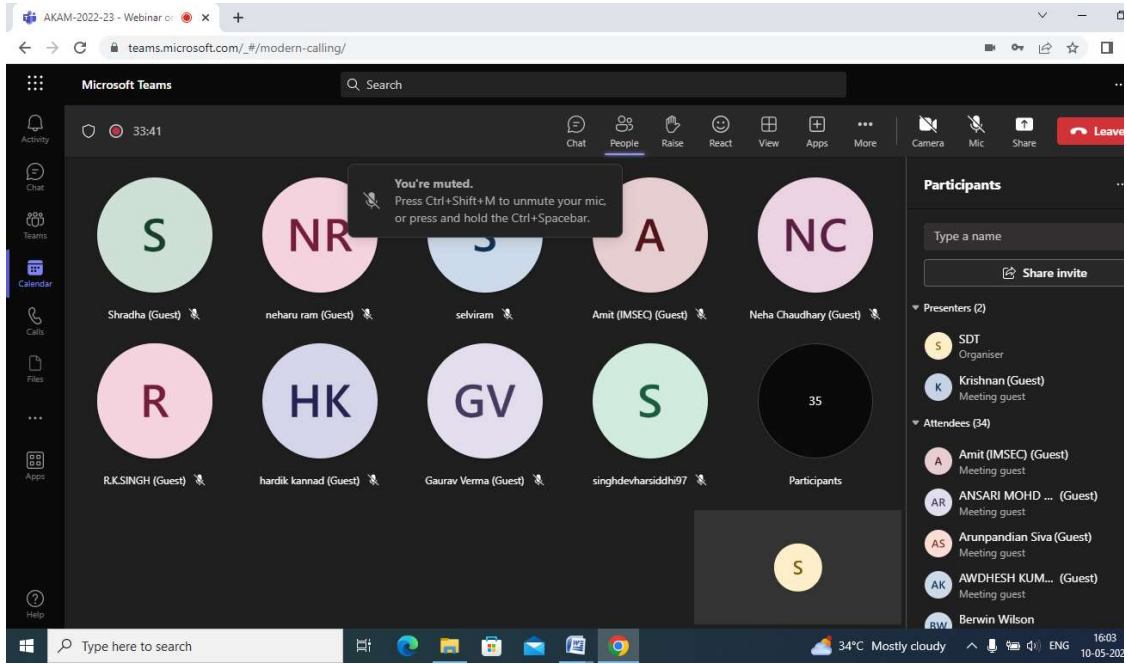
### **PROGRAMME SCHEDULE**

<b>Date</b>	<b>Time</b>	<b>Webinar Topic</b>	<b>Speaker</b>
<b>10<sup>th</sup> May 2023</b>	<b>4.00 - 5.00 pm IST</b>	<b>Offshore Wind Energy</b>	<b>Shri. B.KRISHNAN</b> Assistant Director (Technical) Offshore & Data Analytics Unit, NIWE

As per the announcement, the speaker for the Webinar was Dr. Rajesh Katyal, Director General (Additional Charge). But due to his urgent preoccupation he was unable to make it and instead Shri. B. Krishnan presented the Webinar.

The speaker gave a detailed presentation on Offshore Wind Energy and since the topic was trending and has great potential, the participants evinced lot of interest by asking questions and clearing their doubts. All the doubts and queries raised by the participants were clearly explained and clarified by the speaker. The participants were very much satisfied with the presentation and had reciprocated the same by appreciating and thanking the speaker. In addition, they expressed their thanks to NIWE / MNRE for hosting this webinar under the event of Azadi ka Amrit Mahotsav.

# Gallery of the 12<sup>th</sup> Event




AKAM-2022-23 - Webinar

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36:04

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limit warming globally to 1.5C.

- India's per capita electricity consumption was 1255 kWh in 2021-22
- Projection : 2911-2924 kWh in 2040

1. Net Zero by 2070
2. Carbon emission by 1bn tonnes till 2030
3. RE contribution 50% by 2030
4. Carbon Intensity 45% by 2030
5. RE Target 500GW by 2030

Participants

Type a name

Share invite

Presenters (2)

- SDT (Organiser)
- Krishnan (Guest) (Meeting guest)

Attendees (37)

- Amit (IMSEC) (Guest) (Meeting guest)
- ANSARI MOHD ... (Guest) (Meeting guest)
- Arunpandian Siva (Guest) (Meeting guest)
- AWDHESH KUM... (Guest) (Meeting guest)
- Berwin Wilson

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AKAM-2022-23 - Webinar

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### Offshore Advantages

- Higher generation
- Surfaces of seas are generally smooth.
- Low Roughness
- less turbulent and possesses high wind density



High Capacity Utilization Factors (CUF)  
Less noise when compared to land based turbines

Participants

Type a name

Share invite

Presenters (2)

- SDT (Organiser)
- Krishnan (Guest) (Meeting guest)

Attendees (40)

- Amit (IMSEC) (Guest) (Meeting guest)
- ANSARI MOHD ... (Guest) (Meeting guest)
- Arunpandian Siva (Guest) (Meeting guest)
- AWDHESH KUM... (Guest) (Meeting guest)
- Berwin Wilson

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AKAM-2022-23 - Webinar

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Where could 2,000 GW of offshore wind by 2050 be built?

2020 2050 2020 2050 2020 2050 2020 2050 2020 2050

North America Europe Asia Africa & ME Pacific

Wind GW  
Source: IRENA Global Wind Atlas

Wind speed in 2020  
Wind speed in 2050  
Regional forecast by 2050, based on 2,000-GW global target  
Current regional or national targets

IRENA Global Wind Atlas 2021

Participants

Type a name

Share invite

Presenters (2)

- SDT Organiser
- Krishnan (Guest) Meeting guest

Attendees (40)

- Amit (IMSEC) (Guest) Meeting guest
- ANSARI MOHD ... (Guest) Meeting guest
- Arunpandian Siva (Guest) Meeting guest
- AWDHESH KUM... (Guest) Meeting guest
- Berwin Wilson

Krishnan (Guest)

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34°C Mostly cloudy

16:11 10-05-2022

AKAM-2022-23 - Webinar

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You're muted.  
Press Ctrl+Shift+M to unmute your mic,  
or press and hold the Ctrl+Spacebar.

Krishnan (Guest)

Participants

Type a name

Share invite

Presenters (2)

- SDT Organiser
- Krishnan (Guest) Meeting guest

Attendees (54)

- Amit (IMSEC) (Guest) Meeting guest
- ANSARI MOHD ... (Guest) Meeting guest
- Arunpandian Siva (Guest) Meeting guest
- AWDHESH KUM... (Guest) Meeting guest
- Berwin Wilson

KP Team

Participants

Krishnan (Guest)

Type here to search

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16:51 10-05-2022