

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

***Report of the***

**Fourth Event**

**“Webinar on Type Certification of Wind Turbines”**

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

The fourth event, “Webinar on Type Certification of Wind Turbines” was successfully conducted on 02<sup>nd</sup> December 2022.

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**  
भारत 2023 INDIA

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)

**4<sup>th</sup>**  
EVENT

**Webinar on  
TYPE CERTIFICATION  
OF WIND TURBINES**

**02<sup>nd</sup> December 2022**  
**4.00 - 5.00 pm**

**Speaker**  
**Shri. S.A. MATHEW**  
Director & Head  
Certification Division, NIWE

**Registration Link : <https://forms.gle/trftVCzW69EzWnHV9>**

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**

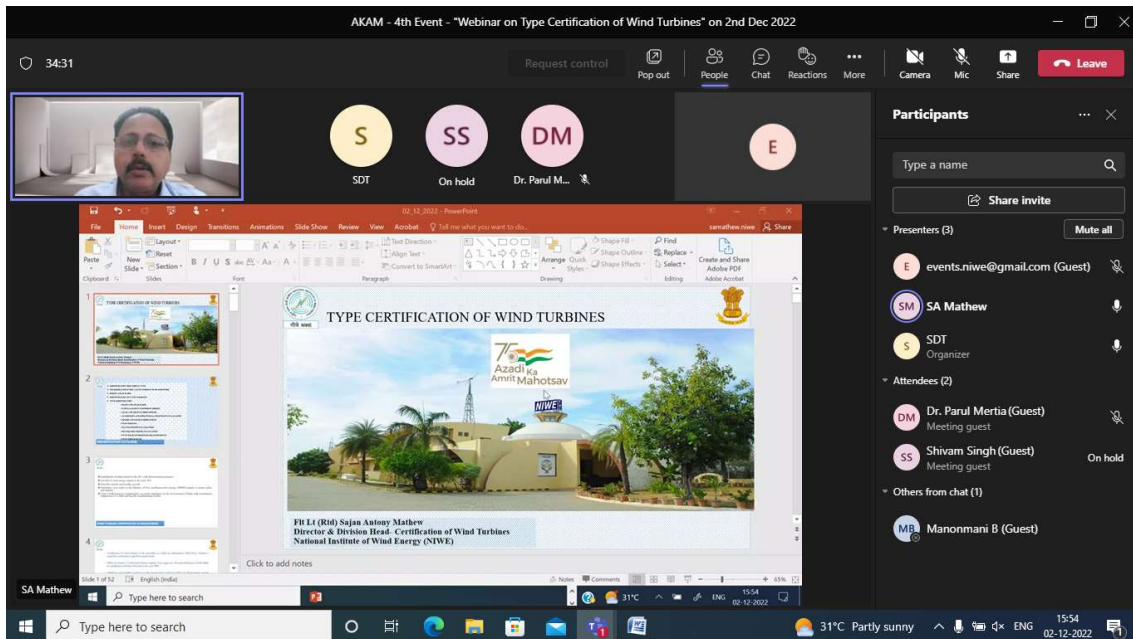
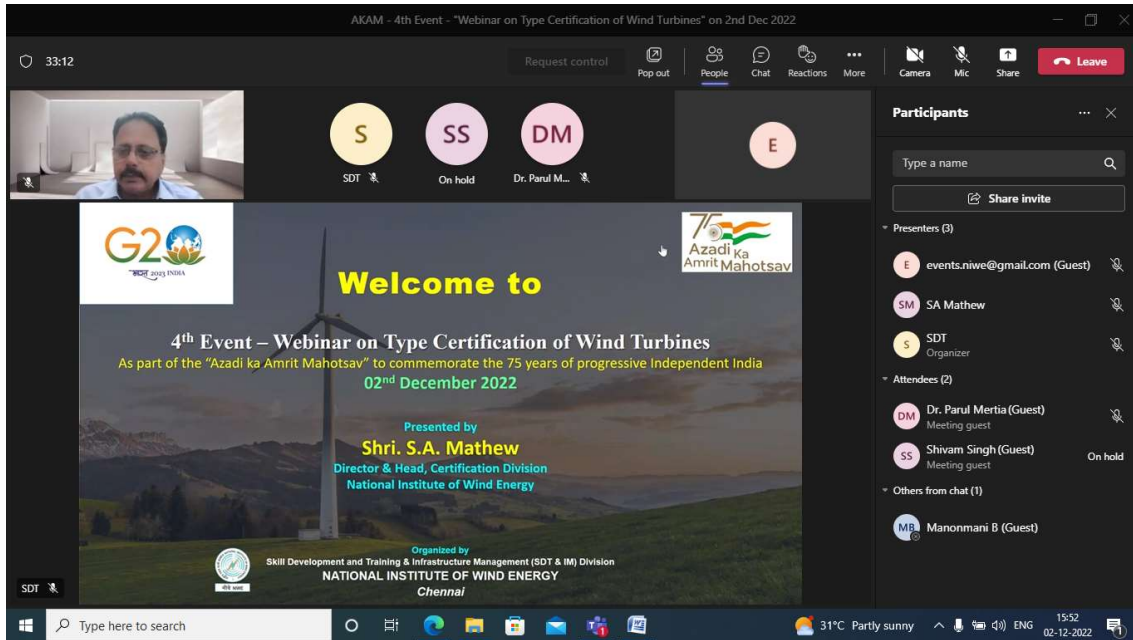
After the announcement, 80 candidates registered and 15 participants have attended the event.

## **PROGRAMME SCHEDULE**

<b>Date</b>	<b>Time</b>	<b>Theme</b>	<b>Speaker</b>
<b>02<sup>nd</sup> December 2022</b>	<b>16.00 - 17.00 pm</b>	<b>Type Certification of Wind Turbines</b>	Shri. S.A. Mathew Director & Head Certification Division, NIWE

The speaker gave a detailed presentation on Type Certification of Wind Turbines and it was followed by a Q&A session, which was open for the participants to interact with the speaker. The doubts and queries raised by the participants were clearly explained and clarified by the speaker. The participants were very much satisfied with the quality of the presentation and had conveyed the same in the chat box. In addition, they expressed their thanks to NIWE for arranging such an event.

# Gallery of the 4<sup>th</sup> Event



AKAM - 4th Event - "Webinar on Type Certification of Wind Turbines" on 2nd Dec 2022

51:15

Request control Pop out People Chat Reactions More Camera Mic Share Leave

Participants

Type a name

Share invite

Presenters (4) Mute all

- events.nive@gmail.com (Guest)
- Dr. P. Kanagavel (Guest) Meeting guest
- SA Mathew
- SDT Organizer

Attendees (8)

- Dr. C.Sharmela External
- Dr. Parul Merlia (Guest) Meeting guest
- Jaswin Mali (Guest) Meeting guest
- Manikandan - O... (Guest) Meeting guest

SA Mathew

**CERTIFICATION SERVICES IN NIWE**

- International Electrotechnical Commission(IEC) has withdrawn the standard IEC 61400-22 on 31<sup>st</sup> August 2018 and moved to IECRE OD 501.
- Bureau of Indian Standards (BIS) has adopted and published IS/IEC 61400-22: 2010: "Wind turbines – Part 22: Conformity Testing and Certification" standard in June 2018 based on recommendation of Wind Turbine Sectional committee ETD 42
- NIWE has migrated from TAPS 2000 to IS/IEC 61400-22:2010 for certification services
- Availability of Type Certificate is one of the mandatory requirements for installation of Wind Turbines in India

Type here to search

31°C Partly sunny 16:10 02-12-2022

AKAM - 4th Event - "Webinar on Type Certification of Wind Turbines" on 2nd Dec 2022

56:36

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Participants

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Share invite

Presenters (4) Mute all

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- Dr. P. Kanagavel (Guest) Meeting guest
- SA Mathew
- SDT Organizer

Attendees (11)

- Anil Jain External
- Dr. C.Sharmela External
- Dr. Parul Merlia (Guest) Meeting guest
- Jaswin Mali (Guest) Meeting guest

SA Mathew

**CONSIDERATIONS FOR A WIND TURBINE TO BE CERTIFIED**

SELECTION OF TURBINE TYPE FOR CERTIFICATION (PROTOTYPE OR RE-CERTIFICATION)

VIAIBLE BUSINESS CASE ← COST OF CAPITAL < IRR

WIND TURBINE FOR A WIND FARM

DEBT/EQUITY → GENERATION → FINANCIAL MODELLING

CAPEX/OPEX/DEBT → SERVICE OF COST OF CAPITAL

20 years Cash Flow

Type here to search

31°C Partly sunny 16:16 02-12-2022

AKAM - 4th Event - "Webinar on Type Certification of Wind Turbines" on 2nd Dec 2022

01:42:19

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Some people in this chat are outside your org. It's possible they have message-related policies that will apply to the chat. [Learn more](#)

**Meeting chat**

16:58

Dear Attendees if you have further queries kindly send it to the following mail id [mathew@niwe.res.in](mailto:mathew@niwe.res.in)

Last read

Dr. C.Sharmeela 16:58

For small wind turbines do we need what kind of certification

Type a new message

SA Mathew

Meeting now

Recording has started. By attending this meeting, you consent to being recorded. [Privacy policy](#)

Meeting chat

(Guest) left the chat

events.niwe@gmail.com 16:58

Dear Attendees if you have further queries kindly send it to the following mail id [mathew@niwe.res.in](mailto:mathew@niwe.res.in)

Dr. C.Sharmeela 16:58

For small wind turbines do we need what kind of certification

Type a new message

Type here to search

30°C Partly sunny 17:02 02-12-2022