



## **JOINING INSTRUCTIONS FOR "TRAIN THE TRAINER" PROGRAM ON ELECTRIC VEHICLE FIRE MITIGATION**

*National Fire Service College (NFSC), Nagpur  
Ministry of Home Affairs (MHA), Government of India*

*[Please ensure that these instructions are handed to the person attending the Workshop.]*

### **1. Workshop Overview**

We are pleased to announce the upcoming workshop on **Electric Vehicle (EV) Fire Mitigation**, scheduled at the prestigious **National Fire Service College (NFSC)**, Nagpur. The program is designed to equip fire safety professionals with comprehensive knowledge and practical skills for tackling fire incidents involving electric vehicles (EVs), with a particular focus on advanced fire suppression methods, safety protocols, and mitigation strategies. **Attendance at all sessions is mandatory.**

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### **2. General Information**

**Dates:** 06th December 2024 to 07th December 2024

**Location:** National Fire Service College (NFSC), Rajnagar, Nagpur, Maharashtra - 440013  
The NFSC is conveniently located approximately **12.2 km from Dr. Baba Saheb Ambedkar International Airport** and **4.8 km from Nagpur Railway Station.**

#### **Pre-workshop Registration:**

Participants are requested to report to NFSC **at least one day prior** to the workshop for registration and other formalities. Kindly ensure your arrival by **09:30 AM** on the first day, reporting to the **Administrative Building.**

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### **3. Workshop Details**

This intensive program is tailored for fire safety professionals, disaster response teams, and personnel involved in fire management operations. Key topics include:

- **EV Battery Fires:** Understanding the unique risks and challenges associated with electric vehicle fires.
- **Fire Risk Assessment:** Identifying and evaluating potential hazards in EV-related fire incidents.

- **Mitigation Techniques:** Practical strategies for first responders to efficiently and safely address EV fires.
- **Best Practices for Firefighting:** Integrating specialized tools and methods for effective response to EV fires.

The document will be found at Annexure A

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#### 4. Reporting, Reception, and Transportation

- **Arrival:** Participants must arrive at NFSC **one day before** the workshop commences.
  - **Documentation Required:** Upon arrival, please submit the following documents for verification:
    - Forwarding Letter from Sponsoring Authority
    - Completed Registration Form
    - Official Notice
    - Two Passport-Sized Photographs (for uniform)
    - Government-Issued ID Proof (for identity verification)
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#### 5. Method of Instruction

The workshop will be conducted in **English**. Instructional methods will include:

- **Lectures (L):** Theoretical sessions covering the fundamentals of EV fire safety and mitigation techniques.
  - **Practical (P):** Hands-on training with firefighting tools and EV fire suppression tactics.
  - **Demonstrations (D):** Live demonstrations of fire safety protocols and EV fire scenarios.
  - **Presentations (P):** Participants will present their strategies and findings to foster interactive learning.
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#### 6. Accommodation

Please note that **accommodation arrangements** will be the responsibility of the nominated fire officers. Participants are encouraged to book their stay in advance.

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#### 7. Clothing and Equipment

For the duration of the workshop, participants are required to bring the following:

- **Official Uniform:** As per your department's dress code.
  - **Personal Protective Equipment (PPE):** Essential for practical training, including safety helmet, Safety Goggles, N95 mask, Safety shoes, and Earplugs.
  - **Coverall (Dungaree):** One set for practical fire mitigation sessions.
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## 8. Indemnity Bond

All participants must fill out and sign an **Indemnity Bond** during the registration process. This legal document, found in **Annexure [B]**, releases the event organizers from liability in case of accidents or injuries during the program. Please read the bond carefully before submitting your registration.

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## 9. Climate and Weather Conditions

Nagpur enjoys a **semi-arid climate**, with relatively mild winters. During the early December period:

- **Daytime Temperatures:** Range from **25°C to 30°C** (77°F to 86°F).
  - **Nighttime Temperatures:** Can drop to **10°C to 15°C** (50°F to 59°F).
  - **Humidity:** Typically low, with dry weather and minimal rainfall.
  - **Sunshine:** Abundant throughout the day, with generally good air quality.
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## 10. Accessibility and Special Requirements

For any special needs or inquiries, participants are encouraged to contact the workshop coordinators in advance. We are committed to providing the necessary assistance to accommodate all participants.

- **Email:**
  - nfsctr@gmail.com
  - nfsnagpur-mha@nic.in
- **Telephone:**
  - Office: +91 712 2599926
  - Office: +91 827 5371956



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We eagerly look forward to welcoming you to the **Electric Vehicle Fire Mitigation** workshop at the **National Fire Service College**, Nagpur, and to fostering an environment of learning and collaboration in this critical area of fire safety.

**ANNEXURE A**

**Tenative Schedule of Train the Trainer program for fire officers to address EV Fire**

**On December 06 – 07, 2024 at NFSC, Nagpur**

**Time:** 10:00 am to 5:30 pm with 2 tea breaks and 1 lunch break

**Venue:** National Fire Service College, Nagpur.

From	To	Agenda	Trainer / Speaker
<b>** Day – 1 **</b>			
<b>Inaugural Session - Dec. 06, 2024 (10:00 am to 11:00 am) at Auditorium</b>			
<b>High Tea (15 mins) and move to Conference Hall</b>			
<b>Technical Session - Dec. 03, 2024 (11:15 am to 06:00 pm) at Conference Hall</b>			
11:15 am	11:45 am	Understanding Lithium-ion batteries and fire hazards	Dr. Rashi Gupta, Director, Vision Mechatronics
11:45 am	12:15 am	EV fires and technological aspects. EV fire incidents in India and our preparedness	Shri. Manjunath V, Senior Regional Manager, ULSE
12:15 am	01:30 pm	Instructor training Electric Powered Vehicles: Content training (all 6 parts) <ul style="list-style-type: none"> <li>• Reading and managing incidents with new energies involved: "The ENERGY SAFETY approach"</li> <li>• What different types of Electrically Powered Vehicles exists.</li> <li>• What other propulsions exists.</li> <li>• What are the risks associated with Electrically Powered Vehicles for the responder.</li> <li>• How to recognise the propulsion of a Vehicle during an incident.</li> <li>• What tools are there to help the responder.</li> <li>• How to proceed during technical rescue with an Electrically Powered Passenger Vehicle involved.</li> <li>• How to perform a uniform procedure to fight Passenger Vehicle fires/ What are possible additional tools and techniques.</li> </ul>	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium (along with Hindi translator)
<b>Lunch Break (45 mins)</b>			
02:15 pm	04:00 pm	Instructor training Electric Powered Vehicles (Part 2)	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
<b>Tea break (15 mins)</b>			

04:15 pm	05:00 pm	Fire mitigation system for EV	Shri. Shiv Kumar, Assistant Sales Manager, Rosenbauer, Singapore
05:00 pm	06:00 pm	EV construction and safety features & EV models walk-through	Shri. Amol Deshpande, Senior Manager, Tata Motors
<b>Dinner at Hotel Radisson Blu (07:30 pm – 08:30 pm)</b>			
<b>** Day – 2 **</b>			
<b>Technical Session - Dec. 07, 2024 (10:00 am – 06:00 pm) at Conference Hall</b>			
10:00 am	11:00 am	Recognizing the drive form of the vehicle (Part 3) (Classroom + Practical)	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
<b>Tea Break (15 mins)</b>			
11:15 am	12:15 am	Tools for EV Firefighting (Part 4) (with breakout sessions)	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
12:15 am	01:30 pm	Technical rescue intervention in case of EV fire (Part 5) (with breakout sessions)	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
<b>Lunch Break (45 mins)</b>			
02:15 pm	03:45 pm	Performing uniform procedure to vehicle fire (Part 6) (Classroom + Practical)	Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
<b>Juice Break (5 mins)</b>			
<b>EV Fire Demonstration at Training Ground</b>			
03:50 pm	05:00 pm	EV Fire Demonstration (in the presence of all senior fire officials)	All trainees Guided by Mr. Kurt Vollmacher, Founder - Energy Safety, Belgium
<b>Valedictory Session at Auditorium</b>			
<b>High Tea (15 mins)</b>			
<b>** End of the Program **</b>			



## ANNEXURE B

### INDEMNITY BOND

To

The Director

National Fire Service College

Nagpur

WHEREAS I, \_\_\_\_\_, hereby acknowledge that I have been nominated by \_\_\_\_\_ to participate in the "Train the Trainer" Workshop on Electric Vehicle (EV) Fire Mitigation, which is scheduled to be held at the National Fire Service College (NFSC), Nagpur, in collaboration with ULSE.

NOW, THEREFORE, in consideration of my participation in the aforementioned program, I, hereby undertake and agree as follows:

I, on behalf of myself, my nominated department, and my administrators or legal representatives, shall not make any claim against the Central Government or ULSE for any loss, injury, or damage to person or property, including injury resulting in death, which may occur, arise, or be caused in any manner whatsoever, during or as a consequence of my participation in the "Train the Trainer" Workshop on Electric Vehicle (EV) Fire Mitigation.

I, on behalf of myself, my nominated department, administrators, and legal representatives, agree to indemnify and hold harmless the Central Government and ULSE from any liability, loss, damage, or expense, including legal costs, which may be incurred by reason of my participation in the aforementioned Workshop.

I further acknowledge and accept that neither the Central Government nor ULSE shall be liable for any form of compensation for any injury, loss, or damage sustained by me, my department, or any other



persons or property, directly or indirectly, arising from my participation in the said Workshop on Electric Vehicle (EV) Fire Mitigation.

IN WITNESS WHEREOF, I have executed this Indemnity Bond on date \_\_\_\_\_, at \_\_\_\_\_.

Signature of Participant: \_\_\_\_\_

Name of Participant: \_\_\_\_\_

Designation: \_\_\_\_\_

Department/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Details: \_\_\_\_\_

Witness 1:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_

Witness 2:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Date: \_\_\_\_\_