



# **COURSE REPORT**



**on**

**Five Days Training for  
In-Service SFS Officers and Senior FROs  
on**

**“Forest Fire Prevention & Mitigation Strategies -  
Forest Fire Management”**

**(09.06.2025 - 13.06.2025)**



**Government of India**

**Ministry of Environment, Forests & Climate Change**

**CENTRAL ACADEMY FOR STATE FOREST SERVICE, COIMBATORE**

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## **EXECUTIVE SUMMARY**

Fires are integral to forests since ancient times as they have shaped their structure, composition and functions. More than 95% of Forest fires in India are man-made and pose enormous threats with colossal negative consequences on the survival of natural flora and fauna and subsequently human beings themselves.

Prevention and control of forest fire assumes an important aspect in management of forests. Forest fires are traditionally managed by State Forest Departments by involving the forest personnel, seasonal fire watchers and local communities. With increasing frequency and duration of forest fires, it becomes imperative to develop a comprehensive forest fire strategy so as to transform forest fire management of our Country's diverse forests - more resilient to the threats and impact of forest fires in the future.

As a part of this strategy, the Central Academy for State Forest Service (CASFOS), Coimbatore under the aegis of the MoEFCC has been assigned the responsibility of conducting specialized Five Days training to In-Service SFS Officers and Senior FROs on Forest Fire Prevention and Mitigation Strategies - Forest Fire Management.

This training program was customized to best suit the training needs of the field forest personnel working at the level of DCF, ACF and FRO in terms of imparting basic understanding of forest fire, science and management of forest fires, operational strategies, advanced techniques and use of modern & conventional forest fire fighting tools together with hands-on practice and field demonstrations and rounds of mock-drills of forest fire control. During the first three days, classroom-based lecture sessions coupled with field visits and hands on exercises & demonstrations were conducted at the Campus followed by a two-day mock field drills at Sirumugai Range of Coimbatore Forest Division.

The training program was inaugurated on 09.06.2025 at CASFOS, Coimbatore and it was presided over by Field Director of Bandipur Tiger Reserve as Chief Guest in the presence of Principal and esteemed faculty members of CASFOS Coimbatore.

Twenty-six number of Participants from 15 different States / UTs attended the training Program. The participant group comprised of field officers working at the levels of ACFs, DCFs and RFOs.

The topics covered during the first three days of the training program were Forest Fire Scenario in India, Understanding Forest Fire regime in different forest types of India, Forest Fire Management System in India: Current Scenario, FSI – Forest Fire Alert System, Forest fire management System in Kerala, Post Fire management and habitat restoration, Influence of Weather on Forest Fire and Forest Fire behavior, Introduction to various modern fire-fighting tools & Equipment, Fire Hazard and safety measures, Forest Fire Danger rating and monitoring, Best practices on forest fire management - Case studies -Nilgiris & Dzukuo Valley, Nagaland. A demonstration of Firefighting operation by the District Fire Officer and team was also conducted.

The two days field exercises were conducted on 12.06.2025 and 13.06.2025 at Sennamalai Karadu Reserved Land under Sirumugai Forest range of Coimbatore Forest Division. The Map reading and Trekking exercises, , Utility of UAV / Drones in Forest Fire Management, Creation of Fire Line (400 Mts Length & 3 Mts width), Control Burning and Forest Fire Fighting mock drill exercises with use of traditional brooms and modern equipment were conducted during the field exercise. The utility of Fireline, the direct attack & counter fire burning operations in restricting the spread of Forest Fire were demonstrated in the field. A demonstration on utility of Drones was also conducted at the field.

The valedictory program was conducted at CASFOS Coimbatore. Field Director, Sathyamangalam Tiger Reserve presided over the program as Chief Guest and the Principal and esteemed faculty members of CASFOS Coimbatore graced the Occasion.

The trainees were provided with a **“Field manual on Forest Fire Prevention and Mitigation Strategies”** which was prepared based on the inputs provided during the training along with the Copies of presentation made by experts.

## **COURSE REPORT**

|  |   |   |
|--|---|---|
| <b>MoEF's / DFE's letter number and date</b> |   | DFE's Letter No. 4-948/Trg-II/DFT-2024/601-37<br>dt.09.05.2025  |
| <b>Institute's reference number</b>          |   | Our Office Letter No.107802/2025-CASFOS-CBE/In-Ser-trg. Dt.28.04.2025   |
| <b>1</b>                                     | <b>Name and complete address of the Institute (including phone, fax and e-mail)</b>         | Central Academy for State Forest Service,<br>Post Box No. 1130, Coimbatore – 641 002<br>0422 – 2450313, 2451605, <a href="mailto:casfos-coimbatore@gov.in">casfos-coimbatore@gov.in</a><br><a href="mailto:Casfoscbe-trng@gov.in">Casfoscbe-trng@gov.in</a> |
| <b>2</b>                                     | <b>Title of the course</b>  | Five Days training for In-Service SFS Officers and Senior FROs on <b>“Forest Fire Prevention &amp; Mitigation Strategies- Forest Fire Management”</b>   |
| <b>3</b>                                     | <b>Duration &amp; period of the Course</b>  | Five days from 09.06.2025 to 13.06.2025   |
| <b>4</b>                                     | <b>Name &amp; designation of the Course Director</b>  | Dr. C. Vidhyasagar, IFS<br>Lecturer   |
| <b>5</b>                                     | <b>Number of officers participated</b>  | 26 Participants (Details at Appendix IV)  |
| <b>6.1</b>                                   | <b>(a) Did the institute get in touch in advance with the participants of the course?</b>   | Yes, Through phone, mail, and Whatsapp communication  |
|  | <b>(b) If yes, when (mention the date of communication to the officers)?</b>                | Soon after receiving the nomination.  |
|  | <b>(c) Details of nomination received from States prior to the Course</b>                   | 30 Participants (List attached)   |
|  | <b>(d) How many officers received the intimation?</b>                                       | All of them.  |
|  | <b>(e) How many officers responded?</b>   | All of them.  |
| <b>6.2</b>                                   | <b>(a) Were the course expectations of the participants ascertained by the institution?</b> | Yes   |
|  | <b>(b) If yes, how and when (dates)?</b>  | Yes, well ahead of the workshop.  |

|  |   |  |
|--|---|--|
| 7.1  | (a) Was the course conducted at the institution's campus? If no, where?   | Yes, through Physical Mode. First 3 Days in the Campus followed by two days of Field Exercises at Sirumugai Forest Range.                                      |
|  | (b) Whether the course was "residential" or non-residential. If residential, whether the residential facilities were provided in the institution's own hostel or in a hotel etc.? | Residential (Physical Mode)  |
| 7.2  | (a) Total no. of working days in the course   | 5 days   |
|  | (b) Total no. of sessions planned/convened in the course  | 20 sessions (including inaugural and valediction sessions)   |
|  | (c) No. of sessions, which could not be conducted as planned with reasons   | Nil  |
|  |   | Nil  |
|  | (d) Internal faculty hours  | 3 sessions and 2.5 days of field Exercises.  |
|  | (e) Guest faculty hours   | 15 sessions  |
|  | (f) No. of days / hours spent on field visit(s), if any   | 2.5 days   |
| Enclosure (2 copies each): <ul style="list-style-type: none"> <li>- Final course time-table</li> <li>- List of faculties (both in-house and guest faculty) (Appendix – III)</li> <li>- Final list of participants</li> <li>- The background material supplied to the participants</li> </ul> |   |  |
| 8  | (a) Had the same or similar course been conducted earlier under the sponsorship of the MoEF/Department of Personnel and Training (Government of India)?                           | A specialized training for NDRF Battalion was sponsored by NDMA under MHA. It was conducted for a period of Two Weeks.   |
|  | (b) What changes, on the basis of the feedback received in the previous course were made in the current course?   | This training for the forest department officials was customized for a period of 5 days considering their prior knowledge and field experience on the subject. |

|            |   |  |
|------------|---|--|
| <b>9</b>   | <b>Evaluation Report received from current course participants in terms of:</b>   |  |
|            | <b>(*1.1, 2.1, shown below refer to question number in Part C or Part E of the Evaluation Report.)</b>  |  |
| <b>9.1</b> | <b>Course Content and Structure (CCS)</b>   | The course content and structure were reported to be very relevant and highly appreciated by the participants with the rating of <b>96.20</b> . The course has met the expectations of the participants as per their feedback. |
| <b>9.2</b> | <b>Training Faculty (TF)</b>  | The participants have given Training faculty a rating of <b>88.08</b> . The Lectures were highly appreciated by the participants.  |
| <b>9.3</b> | <b>Usefulness of the course (UOC)</b>   | The participants through their feedback stated that the training course is highly useful and gave a rating of <b>98.37</b> .   |
| <b>9.4</b> | <b>Overall impression about the Course (OIC)</b>  | The overall impression about the course was rated at <b>94.57</b> .  |
| <b>9.5</b> | <b>Participants' views about the strengths and weaknesses as well as other aspects pertaining to the course</b>   | The training received a positive appreciation from the participants.<br>Suggestions made by them and comments by Course director are attached at Appendix – I.   |
|            | <b>(Please attach summary as Appendix-I.)</b>   |  |
| <b>9.6</b> | <b>Logistics (including Workshop from home, Experience in online platform, Classroom online, connectivity, comfort in online and Time management etc.)</b>              | The logistic support was rated as <b>93.63</b> .   |
| <b>9.7</b> | <b>Weighted Average</b>   | The Weighted Average of the course has been given a rating of <b>93.97</b> .   |
|            | <b>(Please attach summary as Appendix-II.)</b>  |  |
| <b>10</b>  | <b>General remarks of the Course Director on the nature and extent of participant's involvement in the course including attendance punctuality and interest evinced</b> | The participants showed keen interest and attended the sessions with due punctuality. They actively participated in the Field Exercises on Map reading, Fire Line creation and Mock drills on Forest Fire mitigation.          |

|    |   |   |
|----|---|---|
| 11 | <b>Suggestion highlighting the areas of improvement in the Course for future by Course Director</b> | <p>The training received a very positive response in all aspects such as Course contents, Topics, Choice of speakers, Components of Field visits, Field demonstrations &amp; Mock drills.</p> <p>Region wise case studies will be incorporated for future courses.</p> <p>One set of Forest Fire equipment needed for the Academy for future training programs.</p> |
|----|---|---|

**COURSE DIRECTOR**

|    |  |  |
|----|--|--|
| 12 | <b>Comments of the Institution on how the feedback is proposed to be recycled into future programs in terms of course content, methodology, etc.</b> | <p>The training was well received by the participants. It may be scheduled before the fire season. It should be part of the curriculum for all field forestry personnel.</p> |
|----|--|--|

**PRINCIPAL**



**Course Director's comments on**

**Participants' views about the strengths and weakness pertaining to the course**

(Note: (1) Participants' comments to Part C Question 5 which deemed appropriate to give Course Director's comment are shown in the table as Participants' views. (2) Comments of similar nature relating to the same aspects given by different participants may be clubbed together by the Course Director.)

| Sl. No | Participants' views  | Nos.* | Course Director's comments   |
|--------|--|-------|--|
| 1      | <p>Training program was well scheduled.</p> <p>The combination of theoretical as well as field exercise was the great part of this training programme.</p> <p>It was an effective training session and I learnt a lot here.</p> <p>Every sessions were well conducted and designed.</p> <p>Every thing was perfect.</p> <p>This training design was very useful.</p> <p>It was great learning experience which was a mix of classroom sessions as well as practical sessions.</p> <p>The training was very useful and worthwhile.</p>  | 8     | <p>The Course content, topics and field activities designed for the course were planned and conducted to impart a comprehensive understanding about the Forest fire management. The Hands-on experience during the field exercises and Firefighting Mock Drills would enhance their capacities to perform effectively in Forest fire control operations.</p> |
| 2      | <p>My suggestion is to incorporate the sessions for evaluation techniques of post forest fire assessment.</p> <p>Practical session should be prioritized more than theoretical sessions.</p>   | 2     | <p>The suggestion will be considered for future Courses.</p>   |
| 3      | <p><b>Strengths:</b></p> <p>The course content was well-structured and relevant to present-day forest fire challenges. Practical demonstrations and field sessions added significant value and deepened understanding.</p> <p>The expertise and experience of the resource persons were evident and greatly appreciated. Emphasis on community-based approaches and use of technology (like drones, GIS) was commendable.</p> <p><b>Weaknesses:</b></p> <p>Some sessions were relatively theory-heavy and could be made more interactive.</p> <p>Time management in a few modules can be improved for better coverage and clarity.</p> | 1     | <p>The field exercises involved travel and consumed some time.</p> <p>The suggestion will be considered for future Courses.</p>  |
| 4      | <p>Inclusion of region-specific case studies from northern and northeastern India could enhance contextual learning.</p> <p><b>More Case studies may be added.</b></p>   | 2     | <p>One Case study of Dzukou Valley Forest Fire was included. Will consider more case studies for future courses.</p>   |

|   |  |   |  |
|---|--|---|--|
| 5 | The program was organized and designed accordingly to the best technology and field conditions.<br>It was effective to a great extent.<br>The course curriculum covered all the aspects and it's far better to give same training to all the field level officers. | 3 | The training curriculum and methodology can be adopted for regular training of other field functionaries with the approval of competent authority. |
| 6 | This kind of training should happen on time to time so that we can enrich our knowledge and can share new experiences  | 1 |  |
| 7 | Experience sharing among participants, Case studies and practices in different States greatly helped in broadening my knowledge.   | 2 | No Comments  |

\* Number of participants who have expressed the view.

  
Course Director

**Weighted Average Calculation**

For calculation of numerical value of feedback, each factor is valued as percentage value to the top grade given to the factor. If no answer is provided, it is excluded from calculation. (cf; where number of grade is 4, percentage value be 100, 75, 50, 25). Average of numerical value of factors consisting of the element is a numerical value of the element.

|  |              |
|--|--------------|
| <b>1. Course Content &amp; Structure (CCS) =</b> | <b>96.20</b> |
| 1(1) Course aim met                              | 98.91        |
| 1(2) Increase of knowledge                       | 92.39        |
| 1(3) Relevance of content                        | 96.74        |
| 1(4) Reading Material                            | 96.74        |

|   |              |
|---|--------------|
| <b>2. Training Faculty (TF) =</b>               | <b>88.08</b> |
| 2(1) Assessment of the Course content/ topics = | 85.03        |
| a. Contents                                     | 86.07        |
| b. Presentation                                 | 84.46        |
| c. Quality of Discussion/ Interaction           | 84.84        |
| d. Meet for Objectives                          | 84.78        |
| 2(1) Assessment of the Field Visit =            | 91.13        |
| a. Contents                                     | 91.85        |
| b. Meet for Objectives                          | 90.42        |

|  |              |
|--|--------------|
| <b>3. Usefulness of the Course (UOC) =</b> | <b>98.37</b> |
| 3(1) How useful to you immediately         | 98.91        |
| 3(2) How useful to be for your future jobs | 97.83        |

|  |              |
|--|--------------|
| <b>Overall Impression about the Course (OIC) =</b> | <b>94.57</b> |
|--|--------------|

|                                 |              |
|---------------------------------|--------------|
| <b>4. Logistics (L) =</b>       | <b>93.63</b> |
| 4(1). Residential Accommodation | 91.30        |
| 4(2). Food Quality              | 88.30        |
| 4(3). Class room facility       | 97.00        |
| 4(4). Field Exercises           | 98.30        |
| 4(5). Recreation facility       | 92.60        |
| 4(6). Time management           | 94.30        |

|   |
|---|
| <b>Weighted Average for the Course: 93.97</b> |
|---|

For calculation of Weighted Average (WA), following formula is used.

$$WA = (CCS (100\%) + TF (100\%) + UOC (75\%) + OIC (100\%) + L (75\%)) * 100/450$$

**LIST OF FACULTY**  
***(Both in-house and guest faculty)***

| Sl. No. | Name of the Guest Speaker  | Topic  | Contact Details  |
|---------|--|--|--|
| 1.      | Shri Vikas Gusain, Senior Technical Assistant, FSI, Dehradun         | Forest Fire Management system in India: current Scenario   | <a href="mailto:dgfsi@fsi.nic.in">dgfsi@fsi.nic.in</a><br>9410744731   |
| 2.      | Shri Vikas Gusain, Senior Technical Assistant, FSI, Dehradun         | Forest fire Danger rating and FSI Forest fire Alert system   | <a href="mailto:dgfsi@fsi.nic.in">dgfsi@fsi.nic.in</a><br>9410744731   |
| 3.      | Dr. R Venkatesan,<br>Head (Retd.)<br>RES Division, IGCAR, Kalpakkam  | Forest Fire and influences of the weather parameters   | 9840878234   |
| 4.      | Smt. Sudha Ramen.S, IFS,<br>State Planning Commission, TN            | Apps and technologies on forest fire management  | 9894291811   |
| 5.      | Shri Vinod Kumar D. K. IFS, CF,<br>Kerala                            | Forest fire management System in Kerala  | 8974162428   |
| 6.      | Shri V.K. Dhawan, Scientist (Retd.),<br>ICFRE, Dehradun              | Forest Fire scenario in India, types of forest & forest fire regime in different forest types in India. Fire Weather and fire behaviour. | <a href="mailto:dhawanvk@rediffmail.com">dhawanvk@rediffmail.com</a> ,<br><a href="mailto:dhawanvijay60@gmail.com">dhawanvijay60@gmail.com</a><br>9412052007 |
| 7.      | Dr. C. Vidhyasagar, IFS,<br>Lecturer, CASFOS, Coimbatore.            | Panel Discussion: Role of Community Participation in Forest Fire Prevention and Control. Two days Field Exercises                        | <a href="mailto:vidhyaifs@gmail.com">vidhyaifs@gmail.com</a><br>8575287732   |
| 8.      | Shri R. Madesh, FC & RI,<br>Mettupalayam                             | Utility of UAV / Drones in Forest Fire Management  | 9910886269   |
| 9.      | Dr. Ramesh Kumar, IFS, CF,<br>Karnataka                              | Post Fire management and habitat restoration – Case study from Bandipur TR.  | 8762801602   |
| 10.     | Shri Ramachandran<br>Asst. District Fire Officer,<br>Coimbatore      | Fire Hazard and safety measures  | 9443242029   |
| 11.     | District Fire Office Team,<br>Coimbatore.                            | Demonstration on Fire hazards and safety measures including First Aid  | -  |
| 12.     | Shri Gowtham IFS, DFO, Nilgiris                                      | Best practices on forest fire management – Case studies  | 9003425777   |
| 13.     | Shri M. Raj kumar IFS,<br>Protector of Emigrants, TN &<br>Puducherry | Best practices on forest fire management –Case Study<br>Dzukuo valley  | 7085995177   |
| 14.     | Shri A. Anbu, DCF & EDO, KMTR,<br>Tirunelveli                        | Facilitator for Field Exercises  | <a href="mailto:berlipkmtr@gmail.com">berlipkmtr@gmail.com</a><br>9443354325   |

  
PRINCIPAL

List of Officials Nominated for the Five days training course on “**Forest Fire Prevention and Mitigation Strategies - Forest Fire Management**” from 09.06.2025 to 13.06.2025

| Sl. No. | State/Union Territory | No. of Officers nominated | Name of the Officer/ Designation /Contact Number                                 |
|---------|-----------------------|---------------------------|--|
| 1.      | Assam                 | 1                         | Shri Abbas Ali Dewan   |
| 2.      | Bihar                 | 1                         | Shri Ambesh Kishor, ACF<br>7895219297  |
| 3.      | Chhattisgarh          | 7                         | Shri Ajay Kumar Kavre, SDO(ACF)<br>9399447008                                    |
|         |                       |                           | Shri Ashok Kumar Sonwani, SDO (ACF)<br>9425268333                                |
|         |                       |                           | Shri Anil Kumar Singh Painkra, Sub-Divisional Forest Officer (ACF)<br>9329052121 |
|         |                       |                           | Shri Dinanath Gosai, RFO<br>8770438425   |
|         |                       |                           | Shri Deepak Kumar Gawde, RFO<br>8770987104                                       |
|         |                       |                           | Shri Nikhil Saxena, RFO<br>9131976619  |
|         |                       |                           | Shri Ramswarup Mandavi, RFO<br>9424274359  |
| 3.      | Haryana               | 1                         | Shri Rishiraj, RFO<br>9996877004   |
| 4.      | Himachal Pradesh      | 3                         | Shri Anil Kumar, DPO<br>9418455048   |
|         |                       |                           | Shri Hardev Singh Negi, Divisional Manager<br>9805076374                         |
|         |                       |                           | Shri Ajeet Kumar, RFO<br>8894638967  |
| 5.      | Jammu & Kashmir       | 3                         | Shri Waseem Farooq Mir, Divisional Forest Officer (DFO)<br>7006180576            |
|         |                       |                           | Smt. Shweta Deonia, Divisional Forest Officer<br>8713803186                      |
|         |                       |                           | Shri Surinder Singh Chib, RFO<br>9419175278                                      |
| 6.      | Jharkhand             | 1                         | Shri Ramnandan Ram, Range Forest Officer<br>6202473799                           |
| 7.      | Karnataka             | 1                         | Shri Revanasiddayya B Hiremath, RFO<br>9481071258                                |
| 8.      | Kerala                | 2                         | Shri Safeer N, RFO<br>8921194801   |
|         |                       |                           | Shri Krishnadas KR, RFO<br>9447991934  |
| 9.      | Maharashtra           | 1                         | Shri Dhananjay G Pawar, ACF  |

|              |               |           |   |
|--------------|---------------|-----------|---|
|              |               |           | 8087609606  |
| 10.          | Nagaland      | 1         | Shri Obed Bohovi Swu, DFO<br>8974555809               |
| 11.          | New Delhi     | 1         | Shri Bakshinder Pal Singh, RFO                        |
| 12.          | Odisha        | 1         | Shri Uttam Kumar Garnayak, ACF<br>9438100427          |
| 13.          | Tamil Nadu    | 1         | Shri K. Kirubaharan, ACF<br>9865557491                |
| 14.          | Telangana     | 2         | Shri U. Koteswara Rao, DFO<br>9440810084              |
|              |               |           | Shri S.Ramesh, ACF<br>7382619166                      |
| 15.          | Uttarakhand   | 2         | Shri Gaurav Kumar Pant, Deputy Director<br>7398121303 |
|              |               |           | Shri Pankaj Dhyani, RFO<br>7417672426                 |
| 16.          | Uttar Pradesh | 1         | Shri Rakesh Kumar, ACF<br>7398121303                  |
| <b>TOTAL</b> |               | <b>30</b> |   |

  
PRINCIPAL

## Appendix V

List of Officials attended Five days training course on “**Forest Fire Prevention and Mitigation Strategies - Forest Fire Management**” from 09.06.2025 to 13.06.2025

| Sl. No. | State/Union Territory | No. of Participant Officers | Name of the Participant Officer/ Designation /Contact Number                     |
|---------|-----------------------|-----------------------------|--|
| 1.      | Bihar                 | 1                           | Shri Ambesh Kishor, ACF<br>7895219297  |
| 2.      | Chhattisgarh          | 6                           | Shri Ajay Kumar Kavre, SDO(ACF)<br>9399447008                                    |
|         |                       |                             | Shri Ashok Kumar Sonwani, SDO (ACF)<br>9425268333                                |
|         |                       |                             | Shri Anil Kumar Singh Painkra, Sub-Divisional Forest Officer (ACF)<br>9329052121 |
|         |                       |                             | Shri Dinanath Gosai, RFO<br>8770438425   |
|         |                       |                             | Shri Deepak Kumar Gawde, RFO<br>8770987104                                       |
|         |                       |                             | Shri Nikhil Saxena, RFO<br>9131976619  |
| 3.      | Himachal Pradesh      | 3                           | Shri Anil Kumar, DPO<br>9418455048   |
|         |                       |                             | Shri Hardev Singh Negi, Divisional Manager<br>9805076374                         |
|         |                       |                             | Shri Ajeet Kumar, RFO<br>8894638967  |
| 4.      | Jammu & Kashmir       | 3                           | Shri Waseem Farooq Mir, Divisional Forest Officer (DFO)<br>7006180576            |
|         |                       |                             | Smt. Shweta Deonia, Divisional Forest Officer<br>8713803186                      |
|         |                       |                             | Shri Surinder Singh Chib, RFO<br>9419175278                                      |
| 5.      | Jharkhand             | 1                           | Shri Ramnandan Ram, Range Forest Officer<br>6202473799                           |
| 6.      | Karnataka             | 1                           | Shri Revanasiddayya B Hiremath, RFO<br>9481071258                                |
| 7.      | Kerala                | 2                           | Shri Safeer N, RFO<br>8921194801   |
|         |                       |                             | Shri Krishnadas KR, RFO<br>9447991934  |
| 8.      | Maharashtra           | 1                           | Shri Dhananjay G Pawar, ACF<br>8087609606  |
| 9.      | Nagaland              | 1                           | Shri Obed Bohovi Swu, DFO<br>8974555809  |

|              |               |           |   |
|--------------|---------------|-----------|---|
| 10.          | New Delhi     | 1         | Shri Bakshinder Pal Singh, RFO                        |
| 11.          | Odisha        | 1         | Shri Uttam Kumar Garnayak, ACF<br>9438100427          |
| 12.          | Tamil Nadu    | 1         | Shri K. Kirubaharan, ACF<br>9865557491                |
| 13.          | Telangana     | 1         | Shri U. Koteswara Rao, DFO<br>9440810084              |
| 14.          | Uttarakhand   | 2         | Shri Gaurav Kumar Pant, Deputy Director<br>7398121303 |
|              |               |           | Shri Pankaj Dhyani, RFO<br>7417672426                 |
| 15.          | Uttar Pradesh | 1         | Shri Rakesh Kumar, ACF<br>7398121303                  |
| <b>TOTAL</b> |               | <b>26</b> |   |


  
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## Appendix VI

List of Officials nominated and not attended Five days training course on “**Forest Fire Prevention and Mitigation Strategies - Forest Fire Management**” from 09.06.2025 to 13.06.2025

| Sl. No.      | State/Union Territory | No. of Officers not participated | Name of the Officer/ Designation /Contact Number |
|--------------|-----------------------|----------------------------------|--|
| 1.           | Assam                 | 1                                | Shri Abbas Ali Dewan                             |
| 2.           | Chhattisgarh          | 1                                | Shri Ramswarup Mandavi, RFO<br>9424274359        |
| 3.           | Haryana               | 1                                | Shri Rishiraj, RFO<br>9996877004                 |
| 4.           | Telangana             | 1                                | Shri S.Ramesh, ACF<br>7382619166                 |
| <b>TOTAL</b> |                       | <b>04</b>                        |  |



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GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
**CENTRAL ACADEMY FOR STATE FOREST SERVICE**

POST BOX NO. 1130, R.S.PURAM, COIMBATORE – 641 002



**Timeline for Five Days training on “Forest Fire Management” for In-Service SFS Officers/ Sr. FROs  
from 09.06.2025 to 13.06.2025**

| Day                                | Session-1<br>09:15 – 10:10  | Session-2<br>10:15 – 11:10  | Tea Break (11:10 – 11:25) | Session-3<br>11:25 – 12:20  | Session-4<br>12:25 – 13:20  | Lunch (13:20 -14:30)                            | Session-5<br>14:30 -15:25   | Session- 6<br>15:30 – 16:25   |
|------------------------------------|---|---|---------------------------|---|---|---|---|---|
| Day-1 (Monday)<br>09.06.2025       | Inaugural Session<br>Chief Guest<br>Shri. Prabhakaran, IFS.,<br>Field Director, Bandipur<br>Tiger Reserve   | Forest Fire<br>Management<br>system in India:<br>current Scenario<br>Shri Vikas Gusain,<br>Senior Technical<br>Assistant, FSI,<br>Dehradun (online) |                           | Forest fire Danger<br>rating and FSI Forest<br>fire Alert system<br>Shri Vikas Gusain, Senior<br>Technical Assistant, FSI,<br>Dehradun (online)         | Forest Fire and<br>influences of the<br>weather parameters<br>Dr. R Venkatesan,<br>Head (Retd.)<br>RES Division, IGCAR,<br>Kalpakkam                  |   | Apps and technologies on<br>forest fire management -<br>Smt. Sudha Ramen.S, IFS,<br>State Planning<br>Commission, TN.<br>(online) | Forest fire<br>management<br>System in Kerala<br>Shri Vinod Kumar D<br>K. IFS, CF, Kerala |
| Day-2<br>(Tuesday)<br>10.06.2025   | Forest Fire scenario in<br>India, types of forest &<br>forest fire regime in<br>different forest types in<br>India<br>Shri V.K. Dhawan Scientist<br>(Retd.) | Fire Weather and<br>fire behaviour<br>Shri V.K. Dhawan<br>Scientist (Retd.)   |                           | Panel Discussion<br>Role of Community<br>participation in forest<br>fire prevention and<br>control<br>Lecturers<br>CASFOS, Coimbatore<br>& Participants | Post Fire management<br>and habitat restoration<br>Dr. Ramesh Kumar, IFS, CF,<br>Karnataka  |   | Field Visit to Boluvampatti Forest Range,<br>Coimbatore   |   |
| Day-3<br>(Wednesday)<br>11.06.2025 | Fire hazard and safety<br>measures<br>Shri Ramachandran<br>Asst. District Fire Officer,<br>Coimbatore   | Demonstration on<br>Fire hazards and<br>safety measures<br>including First Aid<br>Asst. District Fire<br>Officer & Team                             |                           | Best practices on forest<br>fire management –<br>Case study -Nilgiris<br>Shri Gowtham IFS, DFO,<br>Nilgiris   | Best practices on forest<br>fire management –<br>Case Study<br>Dzukuao valley<br>Shri M. Raj kumar IFS,<br>Protector of Emigrants,<br>TN & Puducherry |   | Introduction & demonstration of forest fire<br>tools & equipment<br><br>Forest Fire Elite Response team, TNFD                     |   |
| Day-4<br>(Thursday)<br>12.06.2025  | Forest Fire line creation, Control Burning, etc. – Field exercise (6 AM – 12 20 PM)<br>Sirumugai Forest Range   |   |                           |   | 12:25 – 13:30<br>Utility of Drone - Field<br>Demonstration<br>Shri. Madesh, Research<br>Scholar, FCRI &<br>Mettupalayam                               | Return to CASFOS, Coimbatore                    |   |   |
| Day-5 (Friday)<br>13.06.2025       | Forest fire control and suppression – Mock Drill exercise (6 AM – 1PM)<br>Sirumugai Forest Range  |   |                           |   |   | Feedback and valedictory,<br>CASFOS Coimbatore. |   |   |

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## **Appendix VIII**

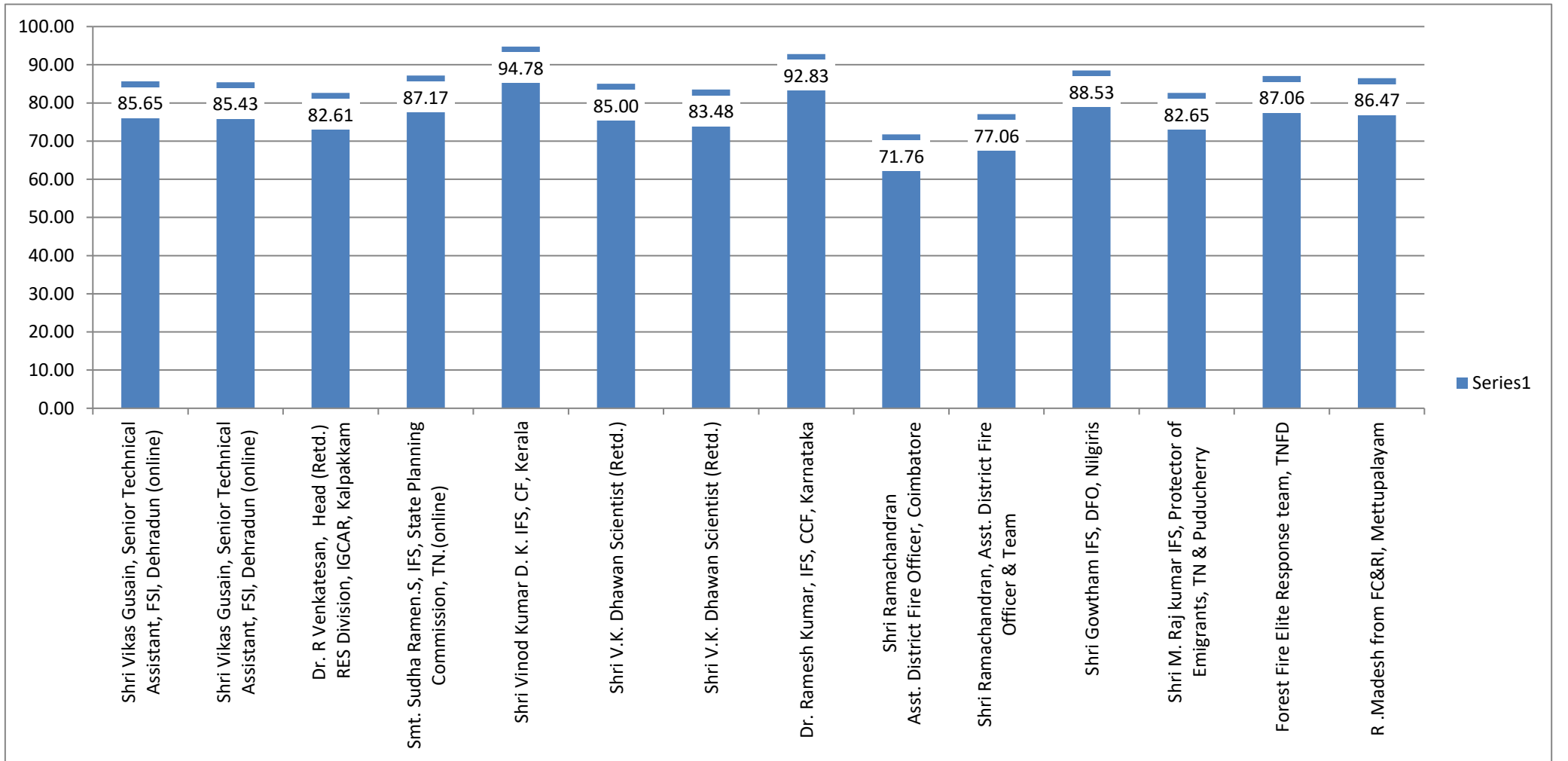
### **FEEDBACK ON RESOURCE PERSONS**

The scores given to the Resource persons by the participants on four criteria and its average: -

| Guest Lecturers   | Contents | Presentation | Interaction | Objectives | Total  | Average |
|---|----------|--------------|-------------|------------|--------|---------|
| Shri Vikas Gusain, Senior Technical Assistant, FSI, Dehradun (online) | 86.09    | 84.35        | 86.96       | 85.22      | 342.61 | 85.65   |
| Shri Vikas Gusain, Senior Technical Assistant, FSI, Dehradun (online) | 85.22    | 84.35        | 86.09       | 86.09      | 341.74 | 85.43   |
| Dr. R Venkatesan, Head (Retd.)<br>RES Division, IGCAR, Kalpakkam      | 84.35    | 83.48        | 82.61       | 80.00      | 330.43 | 82.61   |
| Smt. Sudha Ramen.S, IFS, State Planning Commission, TN. (online)      | 90.43    | 88.70        | 82.61       | 86.96      | 348.70 | 87.17   |
| Shri Vinod Kumar D. K. IFS, CF, Kerala                                | 94.78    | 94.78        | 94.78       | 94.78      | 379.13 | 94.78   |
| Shri V.K. Dhawan Scientist (Retd.)                                    | 86.09    | 83.48        | 84.35       | 86.09      | 340.00 | 85.00   |
| Shri V.K. Dhawan Scientist (Retd.)                                    | 85.22    | 81.74        | 84.35       | 82.61      | 333.91 | 83.48   |
| Dr. Ramesh Kumar, IFS, CCF, Karnataka                                 | 93.91    | 92.17        | 93.04       | 92.17      | 371.30 | 92.83   |
| Shri Ramachandran<br>Asst. District Fire Officer, Coimbatore          | 70.59    | 69.41        | 74.12       | 72.94      | 287.06 | 71.76   |
| Shri Ramachandran, Asst. District Fire Officer & Team                 | 77.65    | 76.47        | 76.47       | 77.65      | 308.24 | 77.06   |
| Shri Gowtham IFS, DFO, Nilgiris                                       | 89.41    | 89.41        | 87.06       | 88.24      | 354.12 | 88.53   |
| Shri M. Raj kumar IFS, Protector of Emigrants, TN & Puducherry        | 84.71    | 82.35        | 81.18       | 82.35      | 330.59 | 82.65   |
| Forest Fire Elite Response team, TNFD                                 | 88.24    | 87.06        | 87.06       | 85.88      | 348.24 | 87.06   |
| R. Madesh from FC&RI, Mettupalayam                                    | 88.24    | 84.71        | 87.06       | 85.88      | 345.88 | 86.47   |

**Fig.1** The overall average assessment of resource persons in Classroom lectures done by participants

(Scale 0 - 100)



**Appendix IX**

**Details of Expenditure (Component Wise)**  
**Incurred during the Five Days Physical Mode Training for In-Service SFS Officers and**  
**Sr. Forest Range Officers on**  
***“Forest Fire Prevention & Mitigation Strategies-Forest Fire Management” at CASFOS,***  
***Coimbatore***  
***Conducted from 09.06.2025 to 23.06.2025***

| Sl. No   | Component   | Details of expenditure incurred during Training in Rs. |
|--|---|--|
| 1.   | Boarding and lodging (for 3 days)   | 3,20,444/-   |
|  | Boarding and lodging for field visit (for 2 days)                           |  |
| 2.   | Training Kit / Reading Material   | 40,220/-   |
| 3.   | Honorarium to Resource Persons / Experts                                    | 41,000/-   |
| 4.   | TA/DA/ to Expert / Resource persons   | 41,949/-   |
| 5.   | Transportation expenses for field visits                                    | 40,254/-   |
| 6.   | Hiring of IT Services, consumables, banners, training hall maintenance etc. | 40,104/-   |
| <b>Total Amount</b>  |   | <b>5,23,971/-</b>                                      |
| <b>(Rupees Five Lakhs Twenty-Three Thousand Nine Hundred Seventy-One Only)</b> |   |  |

  
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**Photographs of the Classroom sessions**

**Inaugural Session**



**Group Photo**



## Introduction of Participants



## Forest fire management system in India current Scenario -Online Session by Shri.Vikas Gussain Senior Technical Assistant ,FSI Dehradun





**Forest Fire & influences of the weather parameters Session by Dr. R. Venkatesan  
Head(Rtd) RES Division,IGCAR Kalpakkam**



**Apps & Technologies of forest fire management Online session by Smt.Sudha Ramen S,IFS  
State Planning Commission Tamil Nadu**



**Forest fire scenario in India , types of forest &forest fire regime in different forest  
types in India Session by Shri.V.K Dhawan ,Scientist (Rtd)**



**Panel discussion on Role of community participation in forest fire prevention and control**





**Post fire management and habitat restoration Session by Dr. RameshKumar, IFS CF  
Karnataka**



**Demonstration of fire hazards and safety measures by Shri.Ramachandran  
Asst. District officer Cbe and Team**





**Session on Best Practices on forest fire management by Shri.Gowtham IFS, DFO Nilgris**



**Session on Best practices of forest fire management- case study Dzuko valley by Shri M.Raj Kumar IFS, Protector of Emigrants TN & Puducherry**



**Map reading Exercise at Sirumugai Forest Range**



**Demonstration of drone applications by R.Madesh from FC&RI Mettupalayam**





**Forest fire control and suppression –Mock drill Exercise at Sirumugai Forest Range**



**Forest fire line creation, control burning –Field Exercise at Sirumagai Forest Range**





**Feedback and Valedictory Session graced by Shri. Rajkumar IFS, Chief Conservator of Forest & FD Sathyamangalam Tiger Reserve**

