COURSE REPORT
Two Weeks Training Programme
On
"Forest Fire Prevention and Mitigation Strategies"
For
NDRF 12ᵗʰ Battalion Personnel From 9ᵗʰ to 20ᵗʰ June, 2025

CENTRAL ACADEMY FOR STATE FOREST SERVICE
BURNIHAT

Ministry of Environment, Forest & Climate Change
Government of India

INDEX

EXECUTIVE SUMMARY

The Central Academy for State Forest Service (CASFOS), Burnihat, under the Directorate of Forest Education (DFE), Ministry of Environment, Forest and Climate Change, organized a two-week training program on **"Forest Fire Prevention & Mitigation Strategies"** from **09th to 20th June 2025** for the **12th Battalion personnel of the National Disaster Response Force (NDRF), Itanagar.** This training is being conducted under the collaborative scheme of National Disaster Management authority (NDMA), MOEF&CC and DFE. The DFE, CASFOS was given the mandate for capacity building of NDRF Personnel on Forest Fire Management.

Objectives of the Training Program

The primary objective of this training was to impart the basic knowledge on forest fire and operational preparedness of NDRF personnel in managing forest fire prevention, mitigation, and emergency response strategies. The course aimed to:

- Provide a comprehensive understanding of forest fire behaviour and influencing factors.
- Equip participants with traditional as well modern fire fighting techniques, best practices & case studies on Forest Fire Management from different states in India.
- Introduce disaster response protocols and coordination mechanisms between NDRF, SDRF, SDMA, and Forest Departments.
- Offer practical field exposure on forest fire control and mitigation strategies in real-world scenarios.
- Facilitate interactive discussions and group activities to reinforce key learnings.

Inauguration and Keynote Address

The training program was formally inaugurated by Shri Rahul M. Rohane, IFS, Principal, CASFOS, Burnihat and Mr. C A Rahman, IFS (Retd.), Dr. Mohammed Siraj Ansari, Scientist-C, CASFOS, Burnihat, welcomed the dignitaries and participants. Dr. L.C. Bandana, IFS, Lecturer, CASFOS, introduced the academy and its role to the participants. Mr. C.A. Rehman, IFS (Retd.) enlightened the participants about the issue of Forest Fire and challenges faced by the Forest Department in tackling the same.

Presiding over the inaugural session, Shri Rahul M. Rohane, IFS, Principal, CASFOS, Burnihat, outlined the course objectives, emphasizing the significance of capacity-building for NDRF personnel in effectively tackling forest fires at larger scales.

Course Content and Expert Sessions:

The course featured lecture sessions & interactive discussions on a wide range of topics, including: '**Forest Department – An Overview**' by Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat. '**Forest Types of India-Forest Scenario**' by Dr. L C Bandana, IFS, Lecturer, CASFOS, Burnihat. '**Types of Forest Fire, Types of fuels**' by Mr. C. A. Rahman, IFS(Retd.)Ex Faculty, CASFOS, Burnihat. '**Importance of Forest and Wildlife**' by Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat. '**Forest Fire Traditional Management (Direct attack, Indirect attack, Mop-up operations**' by Mr. C. A. Rahman, IFS(Retd.),Ex Faculty, CASFOS, Burnihat. '**Fire Weather, Fire Behaviour**' by Mr. C. A. Rahman, IFS(Retd.)Ex Faculty, CASFOS, Burnihat. '**Role of information technology in Forest Fire Control**' by Dr. Md. Siraj Ansari, Scientist-C, CASFOS, Burnihat. '**Forest Fire Monitoring and Alert System**' by Shri Vikas Gusain, Sr Technical Assistant, FSI, Dehra Dun. '**Forest Fire danger rating & Pre- fire alert system (Van Agni Geoportal)**' by Shri Vikas Gusain, Sr Technical Assistant, FSI, Dehra Dun. '**Case Study & Forest Fire Management Practices in Himachal Pradesh**' by Dr. L C Bandana, IFS, Lecturer, CASFOS, Burnihat. '**Best practices in fire management across the world (Fire retardants, drones, Thermal Scanners, Fireballs, thermal blankets, fire shelters)**' by Mr. C. A. Rahman, IFS(Retd.) Ex Faculty, CASFOS, Burnihat. '**Forest Fire Risk Zonation Mapping & Surface Fuel Load Estimation & Mapping**' by Dr. Dhruval Bhavsar, Scientist, NESAC. '**Disaster Monitoring & Forest Fire Alert System in North Eastern States**' by Shri Suraj Kumar Swain, Research Scientist, NESAC. '**Case Study & Forest Fire Management Practices in Arunachal Pradesh**' by Shri Obang Tayeng DFO, Bomdila, Arunachal Pradesh. '**Case Study & Forest Fire Management Practices in Assam**' by Shri Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam. '**Fire safety Protocol and Emergency response Mechanism**' by Shri Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ Shillong**. 'Mobilization and coordination of NDRF, SDRF, SDMA and Forest Department**' by Shri Mahesh Chand Gurjar, Asst..Commandant, NDRF 1st Battalion. '**Community Involvement in Forest Fire Prevention & Control**' by Dr. Alolika Sinha, Wildlife Biologist. '**Interaction with Joint Forest Management Community (JFMC) members**' by Dr. Alolika Sinha, Wildlife Biologist. '**Designing Effective Community Awareness Programme**' by Dr. Jaydev Mandal, Asst. Proff. Madhab Choudhury College, Barpeta. 'Group discussion' by Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat.

Outcome and Feedback

The training program achieved its objectives by equipping participants with practical skills and theoretical knowledge essential for handling forest fire incidents efficiently. The participants engaged actively in discussions and hands-on exercises, gaining valuable insights into modern forest fire management techniques.

The feedback was overwhelmingly positive, with participants appreciating the structured course content, experienced resource persons, and real-world application of training concepts. Many recommended that such refresher courses be conducted at regular intervals to keep personnel updated with emerging trends and technologies in forest fire management.

The training concluded with a Valedictory Session, presided over by Shri Rahul M. Rohane, IFS, Principal, CASFOS, Burnihat along with other faculty members. The session was followed by a certificate distribution ceremony to acknowledge the successful completion of the course.

The detailed feedback report is attached as **Annexure – 5**, and the list of participants is provided in **Annexure – 6**.

Course Report

HQ DG NDRF /DFE's letter number and date		I-17018/Trg/HQ-NDRF/2025/1553 dated. 16/05/2025 DFE letters No. 4-191/Trg.I/DFT-2022/957 dated 29.05.2025.
Institute's reference number		CASFOS/BHT/15-247/305 dated 23.05.2025.
1.	Name and complete address of the Institute (including phone, fax and e-mail)	Central Academy for State Forest Service, Burnihat **Email:** casfos-burnihat@gov.in casfosburnihat@gmail.com
2.	Title of the course	"Forest Fire Prevention & Mitigation Strategies"
3.	Duration & period of the Course	Two Week (12 Days), w.e.f 09th to 20th June, 2025
4.	Name & designation of the Course Director	Dr. Md. Siraj Ansari A, Scientist -C CASFOS Burnihat
5.	Number of persons participated	50 (Details in **Annexure - 6**)
6.1	(a) Did the institute get in touch in advance with the participants of the course?	Yes
	(b) If yes, when (mention the date of Communication to the participants)?	Immediately after receiving the nominations, all the participants were communicated through the coordinator of 12th Battalion NDRF over mobile, Whatsapp group etc.(2nd June 2025 to 08th June, 2025) in regular basis.
	(c) Details of nomination received prior to the Course	50 (List of nomination received attached)
	(d) How many persons received the intimation?	All
	(e) How many persons responded?	50

6.2	(a) Were the course expectations of the participants ascertained by the institution?	Yes	
	(b) If yes, how and when (dates)?	By direct interaction on the first day by the Course Director and in the form of feedback on prescribed pro forma collected during the Course and experience sharing session at the end of the Course.	
7.1	(a) Was the course conducted at the Institution's campus? If no, where?	Yes	
	(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 and in the Academy's own hostel & campus	
7.2	(a) Total no. of working days in the course	(Two-week) 12days	
	(b)Total no. of sessions planned/covered in the course	28	
	(c) No. of sessions, which could not be conducted as planned with reasons	NIL	
	(d) Internal faculty hours	15 hours	
	(e) Guest faculty hours	27 hours	
	(f) No. of days / hours spent on field visit(s), if any	4 days(4 nos)/ 25 hours	

Enclosure (2 copies each):

- Final course schedule

- List of faculties (both in-house and guest faculty)

- Final list of participants

- Course Flier

- Attendance sheets

- Feedback forms received from Participants

8.	(a) Had the same or similar course been conducted earlier under the sponsorship of the MOEF&CC/ Department of Personnel and Training (Government of India)?	**Yes**

	(b) What changes based on the feedback received in the previous course were made in the current Course?	"In response to the last training feedback recommending an increase in field visits, an additional field visit was added to the program."
9	Abstract of the feedback received from current Course participants refers to questions related to Course Contents, Training Faculty, Usefulness of the Course, Overall impression about the Course, Logistics etc. are shown below.	
9.1	Course Content and Structure (CCS)	Course Content & Structure have been highly appreciated by participants with **94.39%** rating. Participants agreed that the Course aim was met to their full satisfaction & rated it 95.92%. There was increase in knowledge level of the participants as assessed with 93.88% rating. The content of the course and reading material were found to be relevant and the participants highly appreciated it by rating of 92.35% and 95.41% respectively.
9.2	Training Faculty (TF)	The participants have overall rated the training faculty at **97.54%.** Training faculty and their lectures were highly appreciated by the participants by rating the Contents of their deliberations, Presentation skill, Quality of discussion/interaction and the extent in meeting the objectives at 96.82%, 95.18%, 96.20% and 94.73% respectively. The Field visits were also appreciated and rated at 98.26%.
9.3	Usefulness of the course (UOC)	The participants have given overall feedback that the training course will be highly useful to them by rating **98.72%.**
9.4	Overall impression about the Course (OIC)	Overall, the participants have highly appreciated the Course and rated about the overall impression of the course with the rating of **92.86%.**

9.5	Participants' views about the strengths and weaknesses as well as other aspects pertaining to the course	Overall, the participants have appreciated the course. The suggestions made by them along with Academy's/ Course Director's comments are attached. **(Annexure-1)**
9.6	Logistics (including Residential accommodation, Food quality, Class room facilities, Computer facilities and Recreation facilities and Time management etc.)	Overall rating for Logistics is **95.82%.** Accommodation was well appreciated by all of the participants since they were made to stay in Academy's Trainees Hostel and Executive Hostel, and the participants rated it as 95.71%. Food quality has been appreciated with no complaints and the participants rated it as 94.29%, Most of the participants have commented that the Course have been organized well with proper time management 94.08% and the Classroom/ Conference room facility were also rated as 99.18%.
9.7	Weighted Average of the course	The weighted average of the course has been rated as **95.71%** which is found to be very satisfactory.
10	General remarks of the Course Director on the nature and extent of participant's involvement in the course including attendance punctuality and interest evinced	All participants were punctual and very interactive during the sessions. The participants were enthusiastic and expressed their keenness to learn about forest fire prevention and mitigation.
11	Suggestion highlighting the areas of improvement in the Course for future by Course Director	Feedback received is excellent in all aspects of course design, content, quality, management etc. Participants expressed the course is useful for them and the training should be conducted regularly for updation of the current trends in forest fire prevention and mitigation.

| 12 | Comments of the Institution on how the feedback is proposed to be recycled into future programmes in terms of course content, methodology, etc. | As shared by the participants, they were immensely benefitted by the course. The feedback was rated 95.71% which is very high when compared to last training rated at 90.06%. Academy will propose to conduct this training in future to other NDRF battalion and try its level best to incorporate the suggestions for further improvement in future. |

Dr. Mohd. Siraj Ansari A, Scientist-C
Course Director

Countersigned

Shri. Rahul M. Rohane, IFS
Principal
CASFOS, Burnihat

Course Director's comments on participants' views about the strengths and weakness pertaining to the course

SN	Participants' views	No. of participants who expressed the views	Course Director's Comments
1.	In general participants in the feedback expressed the course was planned meticulously and rated very good for the course content	50	Every aspect of the Course in terms of content & structure was thoroughly planned in advance, deliberated among the authority & well taken care of which yielded the positive outcome.
2.	Excellent Logistics including Accommodation, Food quality, Class room facilities, politeness of Staff, overall Time management etc.	50	Every aspect of Logistics was taken care of after thorough deliberations, planning & briefings among the implementing/ managerial officials which yielded the positive remarks.
3.	The Resource Persons and their lectures were overall excellent in their Content, deliberations, Presentation skill, Quality of discussion/ interaction.	50	Timely communication with Resource persons about the aims/ objectives, target audience, mapping & keeping their feedbacks in view through various previous trainings etc. resulted the positive outcome.
4.	Participants expressed that the Course was very useful and it significantly improved our learning. Few expressed to have more practical session and 2 weeks training.	13	The course was planned meticulously based on the feedback recorded in the last training and hence it recorded a positive response with high feedback of 95.71%. Already course was planned for two weeks with four field visit. However, practical demonstration could not be conducted due to onset of monsoon season.

NUMERICAL VALUE OF FEEDBACK AND WEIGHTED AVERAGE

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. Average of numerical value of factors consisting of the element is a numerical value of the element.

1. Course Content and Structure (CCS) = 94.39

    1.1 Course aims met (95.92)

    1.2 Increase of knowledge (93.88)

    1.3 Relevance of content (92.35)

    1.4 Reading Material (95.41)

2. Training Faculty (TF) = 97.54

    2.1 Assessment of the Course contents/topics = (96.82)

    2.2 Contents (96.82)

    2.3 Presentation (95.18)

    2.4 Quality of Discussion/Interaction (96.20)

    2.5 Meeting for Objectives (94.73)

    2.6. Field Visit Content (98.26)

3. Usefulness of the Course (UOC) = 98.72

    3.1. How useful to you immediately (98.47)

    3.2. How useful to be for the future jobs (98.98)

4. Overall Impression about the Course (OIC) = 92.86

5. Logistics (95.82)

    5.1. Residential Accommodation (95.71)
    5.2. Food Quality (94.29)
    5.3. Class room facility (99.18)
    5.4. Time Management (94.08)

Weighted Average for the Course

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

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

WA = (94.39 + 97.54 + 74.04+ 92.86 + 71.865) *100/450   = 95.71%

DETAILS OF TOPICS & RESOURCE PERSONS

Sl. No.	Topic	Name of the Resource Person	Designation	Mobile No.	e-mail id
1.	Forest Department – An Overview	Mr. Rahul M Rohane, IFS	Principal, CASFOS, Burnihat	9857238407	rahulrohane1054@gmail.com
2.	Forest Types of India Forest Scenario	Dr. L C Bandana, IFS	Lecturer, CASFOS, Burnihat	8628974897	bandanalc@gmail.com
3.	Types of Forest Fire Types of fuels	Mr. C. A. Rahman, IFS(Retd.)	Ex Faculty, CASFOS, Burnihat	8794970844	carahaman2000@gmail.com
4.	Importance of Forest and Wildlife	Mr. Rahul M Rohane, IFS	Principal, CASFOS, Burnihat	9857238407	rahulrohane1054@gmail.com
5.	Forest Fire Traditional Management (Direct attack, Indirect attack, Mop-up operations	Mr. C. A. Rahman, IFS(Retd.)	Ex Faculty, CASFOS, Burnihat	8794970844	carahaman2000@gmail.com
6.	Fire Weather, Fire Behaviour	Mr. C. A. Rahman, IFS(Retd.)	Ex Faculty, CASFOS, Burnihat	8794970844	carahaman2000@gmail.com
7.	Role of information technology in Forest Fire Control	Dr. Md. Siraj Ansari, Scientist-C	Scientist-C, CASFOS, Burnihat	7502951243	
8.	Forest Fire Monitoring and Alert System	Shri Vikas Gusain, Sr Technical Assistant	Sr.Technical Assistant, FSI, Dehra Dun	9410744731	vikasgusain@fsi.nic.in
9.	Forest Fire danger rating & Pre- fire alert system (Van Agni Geoportal)	Shri Vikas Gusain, Sr Technical Assistant	Sr.Technical Assistant, FSI, Dehra Dun	9410744731	vikasgusain@fsi.nic.in
10.	Case Study & Forest Fire Management Practices in Himachal Pradesh	Dr. L C Bandana, IFS	Lecturer, CASFOS, Burnihat	8628974897	bandanalc@gmail.com
11.	Best practices in fire management across the world (Fire retardants, drones, Thermal Scanners, Fireballs, thermal blankets, fire shelters)	Mr. C. A. Rahman, IFS(Retd.)	Ex Faculty, CASFOS, Burnihat	8794970844	carahaman2000@gmail.com
12.	Forest Fire Risk Zonation Mapping & Surface Fuel Load Estimation & Mapping	Dr. Dhruval Bhavsar	Scientist, NESAC	7579068086	dhruval.bhavsar@nesac.gov.in
13.	Disaster Monitoring & Forest Fire Alert System in North Eastern States	Shri Suraj Kumar Swain	Research Scientist, NESAC	9575466055	director@nesac.gov.in
14.	Case Study & Forest Fire Management Practices in Arunachal Pradesh	Shri Obang Tayeng	DFO, Bomdila, Arunachal Pradesh	9233744572	pccf.wl.assam@gmail.com
15.	Case Study & Forest Fire Management Practices in Assam	Shri Rohini Ballav Saikia, IFS	DCF, WL & CWLW, Assam	8133007935	rohinibsaikia@gmail.com
16.	Fire safety Protocol and Emergency response Mechanism	Shri Merimee Rymbai	AFPO-I, Fire & Emergency Service, HQ Shillong	9436307816	sp.fes-meg@gov.in
17.	Mobilization and coordination of NDRF, SDRF, SDMA and Forest Department	Shri Mahesh Chand Gurjar	Asst..Commandant, NDRF 1st Battalion	9405367365	assam01-ndrf@nic.in
18.	Community Involvement in Forest Fire Prevention & Control	Dr. Alolika Sinha, Wildlife Biologist	Wildlife Biologist, Aaranyak	9435021312	alolika@aaranyak.org
19.	Interaction with Joint Forest Management Community (JFMC) members	Dr. Alolika Sinha, Wildlife Biologist	Wildlife Biologist, Aaranyak		
20.	Group discussion	Mr. Rahul M Rohane, IFS	Principal, CASFOS, Burnihat	9857238407	rahulrohane1054@gmail.com
21.	Designing Effective Community Awareness Programme	Dr. Jaydev Mandal	Asst. Proff. Madhab Choudhury College, Barpeta	9864942722	jaywithdev@gmail.com

CENTRAL ACADEMY FOR STATE FOREST SERVICE, BURNIHAT

Two-weeks training on
"Forest Fire Prevention and Mitigation Strategies" Management"
w.e.f 10th to 21st March, 2025
*** Programme Schedule ***

ANNEXURE - 4

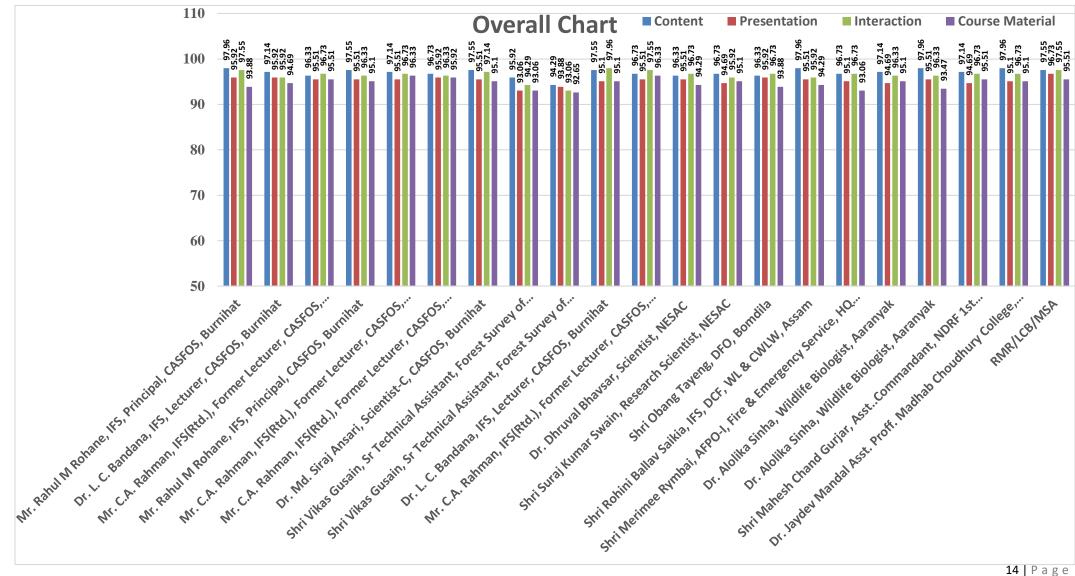|	Session	09.06.2025 (Monday)	10.06.2025 (Tuesday)	11.06.2025 (Wednesday)	12.06.2025 (Thursday)	13.06.2025 (Friday)
I	06.00-07.00	Yoga/PT/Meditation (HPT)				
II	09.30 – 11.00	Inaugural Session by (RMR/LCB/MSA/CAR)	Importance of Forest and Wildlife (RMR)	Forest Fire Monitoring and Alert System (VG) (Online)	Forest Fire Risk Zonation Mapping & Surface Fuel Load Estimation & Mapping (DB)	Interaction with frontline staff of Assam Forest Department nearby & demonstration of fire-fighting equipment (LCB/CAR)
	11.00 – 11.15	Tea Break				
III	11.15 – 12.45	Forest Department – An Overview (RMR)	Forest Fire Traditional Management (Direct attack, Indirect attack, Mop-up operations) (CAR)	Forest Fire danger rating & Pre-fire alert system (Van Agni Geoportal) (VG) (Online)	Disaster Monitoring & Forest Fire Alert System in North Eastern States (SKS)	
	12.45 – 01.30	Lunch				
IV	01.30– 03.00	Forest Types of India Forest Scenario (LCB)	Fire Weather, Fire Behaviour (CAR)	Case Study & Forest Fire Management Practices in Himachal Pradesh (LCB)	Case Study & Forest Fire Management Practices in Arunachal Pradesh (OT)	
	03.00– 03.10	Tea Break				
V	03.10 – 04.45	Types of Forest Fire Types of fuels (CAR)	Role of information technology in Forest Fire Control (MSA)	Best practices in fire management across the world (Fire retardants, drones, Thermal Scanners, Fireballs, thermal blankets, fire shelters) (CAR)	Case Study & Forest Fire Management Practices in Assam (RBS)	
VI	05:00 onwards	Sports/Games (AR)				

Week 2

	Session	16.06.2025 (Monday)	17.06.2025 (Tuesday)	18.06.2025 (Wednesday)	19.06.2025 (Thursday)	20.06.2025 (Friday)	21.06.2025 (Saturday)
I	06.00-07.00	Yoga/PT/Meditation (HPT)					07:30 -09:30
II	09.30 – 11.00	Fire safety Protocol and Emergency response Mechanism **(MR)**	Visit to North Eastern Space Application Centre (NESAC) Shillong to study Forest Fire Assessment & Management Strategies in North Eastern States of India **(RMR/MSA)**	Interaction with Meghalaya Forest department with regard to community awareness activities on Impact of Shifting cultivation **(RMR/MSA)**	Mobilization and coordination of NDRF, SDRF, SDMA and Forest Department **(MCG)**	Visit to North Eastern Cane & Bamboo Development Council **(MSA/TCB)**	Celebration of International Day of Yoga
	11.00 – 11.15	Tea Break			Tea Break		
III	11.15 – 12.45	Fire safety Protocol and Emergency response Mechanism **(MR)**			Mobilization and coordination of NDRF, SDRF, SDMA and Forest Department **(MCG)**	Group Discussion (Group 1, 2 & 3) **(RMR/LCB/MSA)**	Departure from CASFOS, Burnihat
	12.45 – 01.30	Lunch			Lunch		
IV	01.30– 03.00	Community Involvement in Forest Fire Prevention & Control **(AS)**			Designing Effective Community Awareness Programme **(JM)**	Feedback & Valedictory **(RMR/LCB/MSA)**	
	03.00– 03.10	Tea Break			Tea Break		
V	03.10 – 04.45	Interaction with Joint Forest Management Community (JFMC) members **(AS)**			Designing Effective Community Awareness Programme **(JM)**	Feedback & Valedictory **(RMR/LCB/MSA)**	
VI	05:00 onwards	Sports/Games (AR)					

ABBREVIATIONS:

RMR: Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	**CAR:** Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat
LCB: Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	**MSA**: Dr. Md. Siraj Ansari, Scientist-C, CASFOS, Burnihat
VG: Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of India, Dehradun	**MR:** Shri Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ Shillong
DB: Dr. Dhruval Bhavsar, Scientist, NESAC	**OT**: Shri Obang Tayeng, DFO, Bomdila,
SKS: Shri Suraj Kumar Swain, Research Scientist, NESAC	**AR:** Shri Ajay Rajak, PT & GI, CASFOS, Burnihat
JM: Dr. Jaydev Mandal Asst. Proff. Madhab Choudhury College, Barpeta	**AS:** Dr. Alolika Sinha, Wildlife Biologist, Aaranyak
RBS: Shri Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam	**MCG:** Shri Mahesh Chand Gurjar, Asst..Commandant, NDRF 1st Battalion
	TCB: T.C. Bhuiyan, Retired Scientist & Consultant, NECBDC, Guwahathi.

PARAMETER WISE FEEDBACK OF RESOURCE PERSONS

Overall Chart

Legend: Content · Presentation · Interaction · Course Material

Resource Person	Content	Presentation	Interaction	Course Material
Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	97.96	95.92	97.55	93.88
Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	97.14	95.92	95.92	94.69
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS,…	96.33	95.51	96.73	95.51
Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	97.55	95.51	96.33	95.1
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS,…	97.14	95.51	96.73	96.33
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS,…	96.73	95.92	96.33	95.92
Dr. Md. Siraj Ansari, Scientist-C, CASFOS, Burnihat	97.55	95.51	97.14	95.1
Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of…	95.92	93.06	94.29	93.06
Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of…	94.29	93.88	93.06	92.65
Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	97.55	95.1	97.96	95.1
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS,…	96.73	95.51	97.55	96.33
Dr. Dhruval Bhavsar, Scientist, NESAC	96.33	95.51	96.73	94.29
Shri Suraj Kumar Swain, Research Scientist, NESAC	96.73	94.69	95.92	95.1
Shri Obang Tayeng, DFO, Bomdila	96.33	95.92	96.73	93.88
Shri Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam	97.96	95.51	95.92	94.29
Shri Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ:…	96.73	95.1	96.73	93.06
Dr. Alolika Sinha, Wildlife Biologist, Aaranyak	97.14	94.69	96.33	95.1
Dr. Alolika Sinha, Wildlife Biologist, Aaranyak	97.96	95.51	96.33	93.47
Shri Mahesh Chand Gurjar, Asst. Commandant, NDRF 1st…	97.14	94.69	96.73	95.51
Dr. Jaydev Mandal Asst. Proff. Madhab Choudhury College,…	97.96	95.1	96.73	95.1
RMR/LCB/MSA	97.55	96.73	97.55	95.51

OVER ALL FEEDBACK OF RESOURCE PERSONS

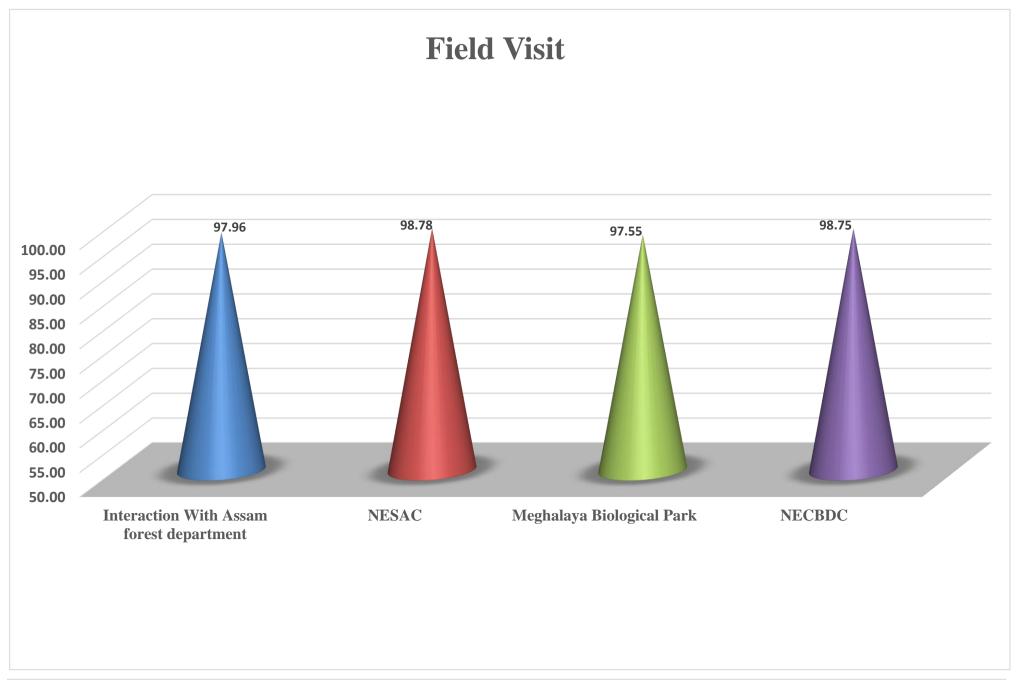| Resource Person	Score
Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	96.33
Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	95.92
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat	96.02
Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	96.12
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat	96.43
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat	96.23
Dr. Md. Siraj Ansari, Scientist-C, CASFOS, Burnihat	96.33
Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of India, Dehradun	94.08
Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of India, Dehradun	93.47
Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	96.43
Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat	96.53
Dr. Dhruval Bhavsar, Scientist, NESAC	95.72
Shri Suraj Kumar Swain, Research Scientist, NESAC	95.61
Shri Obang Tayeng, DFO, Bomdila	95.72
Shri Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam	95.92
Shri Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ Shillong	95.41
Dr. Alolika Sinha, Wildlife Biologist, Aaranyak	95.82
Dr. Alolika Sinha, Wildlife Biologist, Aaranyak	95.82
Shri Mahesh Chand Gurjar, Asst..Commandant, NDRF 1st Battalion	96.02
Dr. Jaydev Mandal Asst. Proff. Madhab Choudhury College, Barpeta	96.22
RMR/LCB/MSA	96.84

Field Visit

LIST OF PARTICIPANTS

Sl. No	Name of Participants	Designation	Sl. No	Name of Participants	Designation
1	Shri Deepak Kumar Jaiswal	AC (GD)	26	Shri Nilkanta Kharka	CT/GD
2	Shri Phuleswar Lahon	AC (GD)	27	Shri Gunin Dewraga	CT/GD
3	Shri Shithil Suklabaidya	SI/GD	28	Shri Sunhankar Roy	CT/GD
4	Shri Tagang Dupak	SI/GD	29	Shri Kumbhar Ganesh Ashok	CT/GD
5	Shri Phate Singh	ASI/GD	30	Shri Lavlesh Kumar	CT/GD
6	Shri Tapan Borah	ASI/GD	31	Shri Rathesh MR	CT/GD
7	Shri Kuldip Singh	ASI/GD	32	Shri Subal Thakuria	CT/GD
8	Shri Pulin Das	ASI/GD	33	Shri Brojen Roy	CT/GD
9	Shri Dilip Kumar Roy	SI/GD	34	Shri Sumit Kuamr	CT/GD
10	Shri Chandra Mohan P	HC/GD	35	Shri Dumavath A Naik	CT/GD
11	Shri Sampat Kisan Ingawale	HC/GD	36	Shri Bhumsa Baro	CT/GD
12	Shri Rakesh Sharma	HC/GD	37	Shri Mimu Basumatary	CT/GD
13	Shri Rupam Borah	HC/GD	38	Shri Pankaj Mudoi	CT/GD
14	Shri Prabitra Nath	HC/GD	39	Shri Tapas Kumar Mahatha	CT/GD
15	Shri Parshuram Singh	HC/Comn	40	Shri Lham Gombu	CT/GD
16	Shri S Johnson Singh	HC/Comn	41	Shri Prahlad Sirame	CT/GD
17	Shri Jatin Saikia	HC/GD	42	Shri Rakesh Roy	CT/GD
18	Shri Chintada Mohan Rao	CT/GD	43	Shri Udit Bhuyan	CT/GD
19	Shri Lakhidhar Deori	CT/GD	44	Shri Mukesh Kumar Mahato	CT/GD
20	Shri Pranoy Dutta	CT/GD	45	Shri Raju Kuamr	CT/GD
21	Shri Deepak Bhoi	CT/GD	46	Shri Akram Mansuri	CT/GD
22	Shri Shaikh Siraj Hasan	CT/GD	47	Shri Avinash Kumar	CT/GD
23	Shri Roshan Kumar	CT/GD	48	Shri Jadab Basumatary	HC/MT
24	Shri Ravichandran P	CT/GD	49	Shri K. Jiban Meitei	HC/MT
25	Shri Arun Kuamr S	CT/GD	50	Shri Th. Ibomcha Singh	CT/DVR

Welcome Address by Dr. Mohammed Siraj Ansari, Scientist-C, CASFOS Burnihat

Presentation on the Academy by Dr. L. C. Bandana, IFS, Lecturer, CASFOS Burnihat

Inaugural Address by Mr. C. A. Rahman, IFS (Retd.), Ex-Faculty, CASFOS Burnihat

Inaugural Address by Mr. Rahul M Rohane, IFS, Principal, CASFOS Burnihat

Session with Mr. Rahul M Rohane, IFS, Principal, CASFOS Burnihat on "Forest Department – An Overview"

Session with Dr. L. C. Bandana, IFS, Lecturer, CASFOS Burnihat on "Forest Types of India Forest Scenario"

Session with Mr. C. A. Rahman, IFS (Retd.), Ex-Faculty, CASFOS Burnihat on "Types of Forest Fire – Types of Forest fuels"

**Session with Mr. Rahul M Rohane, IFS, Principal, CASFOS Burnihat
on "Importance of Forest and Wildfire"**

Session with Mr. C. A. Rahman, IFS (Retd.), Ex-Faculty, CASFOS Burnihat on "Forest Fire Traditional Management (Direct Attack, Indirect Attack, Mop-up operations"

Session with Mr. C. A. Rahman, IFS (Retd.), Ex-Faculty, CASFOS Burnihat on "Fire Weather, Fire Behaviour"

Session with Dr. Mohammed Siraj Ansari A, Scientist-C, CASFOS Burnihat on "Role of information technology in Forest Fire Control"

Session with Mr. Vikas Gusain, Sr. Technical Assistant, Forest Survey of India, Dehradun on "Forest Fire Monitoring & Alert System, danger rating & Pre-fire alert system (Van Agni Geoportal)"

Session with Dr. L. C. Bandana, IFS, Lecturer, CASFOS Burnihat on "Case Study & Forest Fire Management Practices in Himachal Pradesh"

Session with Mr. C. A. Rahman, IFS (Retd.), Ex-Faculty, CASFOS Burnihat on "Best practices in fire management across the world (Fire retardants, drones, thermal scanners, fireballs, thermal blankets, fire shelters"

Session with Dr. Dhruval Bhavsar, Scientist, NESAC on "Forest Fire Risk Zonation Mapping & Surface Fuel Load Estimation & Mapping"

Session with Mr. Suraj Kumar Swain, Research Scientist, NESAC on "Disaster Monitoring & Forest Fire Alert System in North Eastern States"

**Session with Mr. Obang Tayeng, DFO, Bomdila on "Case Study &
Forest Fire Management Practices in Arunachal Pradesh"**

Session with Mr. Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam on "Case Study & Forest Fire Management Practices in Assam"

Field Visit to Rani Range Forest – Interaction with NDRF 1ˢᵗ BN and

Session with Mr. Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ Shillong on "Fire safety protocol and emergency response mechanism"

Session with Dr. Alolika Sinha, Wildlife Biologist, Aaranyak on "Community Involvement in Forest Fire Prevention & Control, and Interaction with JFMC Members"

Visit to North Eastern Space Applications Centre (NESAC), Shillong to study Forest Fire Assessment & Management Strategies in North Eastern States of India

Visit to Meghalaya Biological Park & Interaction with Meghalaya Forest Department with regard to Community Awareness activities on Impact of Shifting Cultivation

Session with Shri Mahesh Chand Gurjar, Asst. Commandant, NDRF 1St Battalion on "Mobilization & Coordination of NDRF, SDRF, SDMA & Forest Department"

Session with Mr. Jaydev Mandal, Asst. Prof., Madhab Choudhury College, Barpeta on "Designing Effective Community Awareness Programme"

Visit to North Eastern Cane & Bamboo Development Council, Guwahati, Assam

Group Discussion (Group 1, 2, & 3)

Presentation by the Groups

Participants appeared for an examination on the Course

Valedictory Session

Certificate Distribution to the Participants

Certificate Distribution to the Participants

Celebration of International Day of Yoga with the Participants

Celebration of International Day of Yoga with the Participants

Glimpses from the training

Participants took part in Sports

Participants during tea break

Participants during registration & kit distribution

Participants planted trees under the theme #EkPedMaaKeNaam & "Harit Yoga"

Participants having lunch at the hostel

Participants in morning yoga sessions

Group Photo

CENTRAL ACADEMY FOR STATE FOREST SERVICE, BURNIHAT
Two-weeks training on
Forest Fire Prevention and Mitigation Strategies
w.e.f 09th to 20st June, 2025
*** कार्यक्रम अनुसूची ***

सत्र		09.06.2025 (सोमवार)	10.06.2025 (मंगलवार)	11.06.2025 (बुधवार)	12.06.2025 (गुरुवार)	13.06.2025 (शुक्रवार)
I	06.00-07.00	योग/शारीरिक प्रशिक्षण/ध्यान (HPT)				
II	09.30 – 11.00	उद्घाटन सत्र मुख्य अतिथि द्वारा (RMR/LCB/MSA/ CAR)	वन एवं वन्यजीव का महत्व (RMR)	वनाग्नि निगरानी एवं चेतावनी प्रणाली (VG) (Online)	वनाग्नि जोखिम क्षेत्रीकरण मानचित्रण एवं सतही ईंधन भार का अनुमान और मानचित्रण (DB)	
	11.00 – 11.15	चाय अवकाश				
III	11.15 – 12.45	वन विभाग – एक परिचय (RMR)	वनाग्नि पारंपरिक प्रबंधन (प्रत्यक्ष आक्रमण, अप्रत्यक्ष आक्रमण, सफाई संचालन) (CAR)	वनाग्नि खतरे का मूल्यांकन और पूर्व- अग्नि चेतावनी प्रणाली (वन अग्नि जियोपोर्टल) (VG) (ऑनलाइन)	उत्तर-पूर्वी राज्यों में आपदा निगरानी एवं वनाग्नि चेतावनी प्रणाली (SKS)	
	12.45 – 01.30	दोपहर का भोजन				
IV	01.30– 03.00	भारत के वन प्रकार और वन परिदृश्य (LCB)	अग्नि मौसम और अग्नि व्यवहार (CAR)	हिमाचल प्रदेश में केस स्टडी और वन अग्नि प्रबंधन पद्धतियां (LCB)	अरुणाचल प्रदेश में केस स्टडी और वन अग्नि प्रबंधन पद्धतियाँ (OT)	असम वन विभाग के फ्रंटलाइन कर्मचारियों के साथ संवाद और आग बुझाने वाले उपकरणों का प्रदर्शन (LCB/CAR)
	03.00– 03.10	चाय अवकाश				
V	03.10 – 04.45	जंगल की आग के प्रकार और ईंधन के प्रकार (CAR)	वन अग्नि नियंत्रण में सूचना प्रौद्योगिकी की भूमिका (MSA)	दुनिया भर में अग्नि प्रबंधन के सर्वोत्तम तरीके (अग्निरोधी, ड्रोन, थर्मल स्कैनर, फायरबॉल, थर्मल कंबल, अग्नि आश्रय) (CAR)	असम में केस स्टडी और वन अग्नि प्रबंधन पद्धतियां (RBS)	
VI	05:00 onwards	खेल गतिविधियाँ (AR)				

Week 2

सत्र		16.06.2025 (सोमवार)	17.06.2025 (मंगलवार)	18.06.2025 (बुधवार)	19.06.2025 (गुरुवार)	20.06.2025 (शुक्रवार)	21.06.2025 (शनिवार)
I	06.00-07.00	योग/शारीरिक प्रशिक्षण/ध्यान (HPT)					07:30 -09:30
II	09.30 – 11.00	अग्नि सुरक्षा प्रोटोकॉल और आपातकालीन प्रतिक्रिया तंत्र (MR)	भारत के उत्तर-पूर्वी राज्यों में वन अग्नि मूल्यांकन और प्रबंधन रणनीतियों का अध्ययन करने के लिए उत्तर-पूर्वी अंतरिक्ष अनुप्रयोग केंद्र (NESAC) शिलांग की यात्रा (RMR/MSA)	मेघालय वन विभाग के साथ समुदाय जागरूकता गतिविधियों पर संवाद, जो स्थानांतरित कृषि के प्रभाव से संबंधित हैं (RMR/MSA)	NDRF, SDRF, SDMA और वन विभाग का संकेंद्रण और समन्वय (MCG)	उत्तर-पूर्वी बांस और बेंत विकास परिषद की यात्रा (MSA)	अंतर्राष्ट्रीय योग दिवस का आयोजन
	11.00 – 11.15	चाय अवकाश			चाय अवकाश		
III	11.15 – 12.45	अग्नि सुरक्षा प्रोटोकॉल और आपातकालीन प्रतिक्रिया तंत्र (MR)			NDRF, SDRF, SDMA और वन विभाग का संकेंद्रण और समन्वय (MCG)	सामूहिक वार्ता (समूह 1, 2 & 3) (RMR/LCB/MSA)	CASFOS, बर्निहाट से प्रस्थान
	12.45 – 01.30	दोपहर का भोजन			दोपहर का भोजन		
IV	01.30– 03.00	वन अग्नि निवारण एवं नियंत्रण में सामुदायिक भागीदारी (AS)			प्रभावी समुदाय जागरूकता कार्यक्रम की योजना बनाना (JM)	प्रतिपुष्टि और समापन समारोह (RMR/LCB/MSA)	
	03.00– 03.10	चाय अवकाश			चाय अवकाश		
V	03.10 – 04.45	संयुक्त वन प्रबंधन समुदाय (JFMC) के सदस्यों के साथ संवाद (AS)			प्रभावी समुदाय जागरूकता कार्यक्रम का निर्माण (JM)	प्रतिपुष्टि और समापन समारोह (RMR/LCB/MSA)	
VI	05:00 से आगे	खेल गतिविधियाँ (AR)					

संक्षेपाक्षर:

RMR: Mr. Rahul M Rohane, IFS, Principal, CASFOS, Burnihat	**CAR:** Mr. C.A. Rahman, IFS(Rtd.), Former Lecturer, CASFOS, Burnihat
LCB: Dr. L. C. Bandana, IFS, Lecturer, CASFOS, Burnihat	**MSA**: Dr. Md. Siraj Ansari, Scientist-C, CASFOS, Burnihat
VG: Shri Vikas Gusain, Sr Technical Assistant, Forest Survey of India, Dehradun	**MR:** Shri Merimee Rymbai, AFPO-I, Fire & Emergency Service, HQ Shillong
DB: Dr. Dhruval Bhavsar, Scientist, NESAC	**OT**: Shri Obang Tayeng, DFO, Bomdila,
SKS: Shri Suraj Kumar Swain, Research Scientist, NESAC	**AR:** Shri Ajay Rajak, PT & GI, CASFOS, Burnihat
JM: Dr. Jaydev Mandal Asst. Proff. Madhab Choudhury College, Barpeta	**AS:** Dr. Alolika Sinha, Wildlife Biologist, Aaranyak
RBS: Shri Rohini Ballav Saikia, IFS, DCF, WL & CWLW, Assam	**MCG:** Shri Mahesh Chand Gurjar, Asst..Commandant, NDRF 1st Battalion