



Directorate of Forest Education
Ministry of Environment & Forests
Government of India



JAPAN INTERNATIONAL COOPERATION AGENCY



CENTRAL ACADEMY FOR STATE FOREST SERVICE
DEHRADUN

Prepared under the Project for
Capacity Building of State Forest Training Institutions and CASFOS

Project Implemented by
Directorate of Forest Education, P.O. New Forest, Dehradun
Tel. : 0135-2757326 Fax : 0135-2750125
www.dfe.gov.in

Central Academy for State Forest Service, Dehradun
P.O. New Forest, Dehradun
Tel. : 0135-2754648 Fax : 0135-2756168
and
Japan International Cooperation Agency (JICA), Dehradun Project Office
Tel. : 0135-2752349/6450733 Fax : 0135-2752349

COURSE GUIDE

Two Week Training for In-Service SFS Officers on
"General Refresher Course"

13-24 January, 2014



**CENTRAL ACADEMY FOR STATE FOREST SERVICE
DEHRADUN**



CASFOS
Dehradun



Established in 1981, Central Academy for State Forest Service (CASFOS), Dehradun is a premier Institute under the aegis of Directorate of Forest Education, Ministry of Environment and Forests, Government of India, with a mandate of imparting forestry training.

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Two Week Training for In-Service SFS Officers on
"General Refresher Course"

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Developed by
Mr. N. Sonzalian, IFS
Faculty, CASFOS



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CASFOS

Dehradun



In Service Training Module are revised under Technical Cooperation Project with Japan International Cooperation Agency (JICA). Training Module on General Refresher Course has been developed after detailed and exhaustive exercise through deliberations in workshops and inputs from renowned resource persons and experts on various subjects on various fields of Forestry, Wild Life & Environment.

Dr. Dharmendra Verma, IFS
Director, Forest Education



Training module on General Refresher Course has been designed to fulfill the needs of field officers and forest staff, which they encounter while dealing with issues related to various fields of Forestry, Wild Life & Environment. Further, the module is structured in such a way, that the participants are not only acquainted to theoretical aspects but also to practical inputs through field visits and practical demonstrations.

Sh. Ashish Rawat, IFS
Principal, CASFOS, Dehradun



This In-Service SFS Officers Training Course module has been developed under closely coordinated Technical Cooperation Project conducted by Directorate of Forest Education, CASFOS Dehradun and Japan International Cooperation Agency (JICA). JICA continues to contribute to capacity development of officers and staff who are dedicating themselves to sustainable forest management and forest conservation in India.

Mr. Yasuhisa Tanaka
Chief Advisor
Project for Capacity Building of Forest Training Institutions and CASFOS

Introduction

The rapid changes taking place in natural resource management systems have emphasized the need for greater professionalization for forest officers. At the same time new technological advancements call for urgent need to upgrade the skills of the field officers to address new challenges, who are otherwise not able to avail such expertise due to fewer exposure & opportunities.

General Refresher Course (GRC) is designed in a way to refresh the professional skills of the in-service officers & also to help them keep abreast of the latest developments & changes in the sector at all levels including regional, national and international issues e.g. Protected Area management, biodiversity conservation, global warming etc. in forestry & related disciplines.

It is not only important to be 'aware' of new and the latest but also understand 'processes' and 'strategies' of 'inculcating', 'practicing' and 'spreading' higher standards of performance to become role models for others to emulate. This principle has been followed.

Aim

- To update and upgrade the knowledge and skills of the in-service State Forest Officers by enhancing professional knowledge & skills needed for better performance
- To achieve attitudinal re-orientation in line with the changing organizational ambience
- To offer an opportunity for a kind of reunion to the officers from a number of States to meet, interact, share and deliberate on various professional issues.

Designed for

The course is designed keeping in view the State Forest Service Officers who have been promoted and inducted into ACF-level from the level of Range Forest Officer recently, primarily to serve as an orientation course.

Facilitators

Both in-house & guest faculty who have specialization & experience in the specified topics

Course Style

- Two-week Workshop
- Trainee-centered
- Experiential Learning
- Peer Learning
- Individual/Team activities
- Practical orientation through hands-on, exercises, group- activity
- Field Visit
- Supported/Supplemented by Visuals and Reading Material

Learning Unit wise Objectives...

MODULE - I

CONTEMPORARY ISSUES

1. Eco-development interface issues

At the end of the session, participants will be able to –

- a. Explain the concept of ‘eco-development’.
- b. Identify stakeholders in eco-development.
- c. Describe the concept of ‘micro-level-planning’
- d. Explain the concept of livelihood –based group formation.
- e. Describe ways and means of livelihood of fringe populations

2. Minor Forest Produce including Medicinal Plants

At the end of the session, participants will be able to –

- a. Describe the process of collection of MFP including Medicinal Plants
- b. Describe the processing / value addition of MFP
- c. State the status of marketing in MFP

3. Payment for Ecosystem Services & Forest Certification

At the end of the session, participants will be able to –

- a. Describe ‘Ecosystem Services’
- b. Explain the relevance of ‘payment’ as per environmental economics

- c. List the benefits of valuing the services to society and forestry
- d. Define ‘Forest Certification’
- e. Describe the need for ‘Forest Certification’
- f. Describe the mechanism and process of ‘Forest Certification’
- g. Describe the benefits of ‘Forest Certification’ in India

4. Climate Change, CDM and REDD+

At the end of the session, participants will be able to –

- a. Describe, ‘Climate change’, ‘CDM’, ‘UNFCCC’ and ‘REDD+’
- b. Link ‘climate change mitigation’ and ‘forestry’
- c. Latest ‘national’ and ‘international’ initiatives in ‘climate change’
- d. Describe REDD+ scope, relevance and potential to India’s forest resource

5. Community Forestry & Joint Forest Management (JFM)

At the end of the session, participants will be able to –

- a. Explain the evolution of Community Forestry and Joint Forest Management (JFM)
- b. Describe the context within which Community Forestry and Joint Forest Management are carried out
- c. Present the current scenario of Community Forestry and Joint Forest Management
- d. Discuss the ‘success’ and ‘failures’
- e. Explain the reason for these ‘success’ and ‘failures’

6. Community Based Ecotourism

At the end of the session, participants will be able to –

- a. Describe ‘Community Based Ecotourism’
- b. Explain Government of India Guidelines & State Governments Policies on ‘Community Based Ecotourism’
- c. Share the success stories on ‘Community Based Ecotourism’
- d. Share the new initiatives and innovations in ‘Community Based Ecotourism’
- e. Present the ‘way-head’ and ‘potentials’ of ‘Community Based Ecotourism’

7. Implementation of Schemes like 'GREENING INDIA', 'MNREGA' & 'FDA'

At the end of the session, participants will be able to –

- Differentiate between 'Centrally-Sponsored Schemes', 'State-Sponsored Schemes' and 'Foreign-Funded Schemes'
- Describe the current & latest Schemes of the Government of India in Forestry Sector
- Describe the 'concept', 'mandate' and 'salient features' of various schemes like 'Green India Mission', 'Mahatma Gandhi National Rural Employment Guarantee Act (MNREGA)' & 'Forest Development Agency (FDA)'
- Define the role of field officers in implementation of these schemes

MODULE - II

FORESTRY AND WILDLIFE ISSUES

8. Human Animal Interface

At the end of the session, participants will be able to –

- State reasons for growing human animal interface & conflicts
- Describe habitat management/manipulation as a corrective step
- Explain on-site human-animal conflict situation handling
- State the strategies for mitigating Human-animal conflict

9. Protected Area Management

At the end of the session, participants will be able to –

- Describe the present scenario of Protected Area Network at 'national' and 'global' level
- Describe significance of Protected Areas providing multiple uses & benefits
- State the 'issues' and 'pressures' in Protected Area Management
- Explain the emerging challenges and way forward

10. Forest Working Plan

At the end of the session, participants will be able to –

- Explain the relevance and requirement of a 'Working Plan' in the changing scenario of forest management
- Describe the key concepts & main contents of 'Working Plan'

- Describe steps in field work & data collection for preparing a 'Working Plan'
- Describe the points & components to be considered while writing a 'Working Plan'

MODULE - III

LEGAL ISSUES

11. Forest (Conservation) Act (FCA)

At the end of the session, participants will be able to –

- Describe the scope of FCA, 1980 in the light of latest cases
- Explain the orders of Hon'ble Supreme Court in Godavarman Case in relation to FCA
- Differentiate between Forest Conservation Act & Forest Rights Act
- Describe the procedure for violation of FCA & penalties thereof

12. Forest Rights Act (FRA), 2006

At the end of the session with Panel Discussion, participants will be able to –

- Understand the Act in terms of its applicability & scope
- Identify the points contributing to the implementation of FRA, 2006
- Describe the role of field officers in its implementation.

13. Search, Seizure & Confiscation

At the end of the session, participants will be able to –

- Explain the 'search' procedure
- Explain the role of authorized officer in confiscation procedure
- Explain the procedure of disposal of forest produce and tools
- Describe the Transit Rules

14. Investigation Procedure in Wildlife Cases

At the end of the session, participants will be able to –

- Describe the 'investigation procedure' in Wildlife Cases

- b. State the relevant Sections from IPC, CrPC and WLP Act
- c. Describe the procedure of 'Recording of Evidence'

15. Wildlife Forensics

At the end of the session and visit, participants will be able to –

- a. Describe 'Wildlife Forensics' and latest methodology
- b. Describe the procedure of 'specimen identification' as per 'Wildlife Forensics' practices
- c. Describe Case Properties and relevance in Prosecution as per WPA
- d. List the authorized institutions/forensic laboratories
- e. Describe Case Laws through case study

16. Environmental Degradation and Judicial Interventions

At the end of the session with Panel Discussion, participants will be able to –

- a. State the emerging environmental issues and related legal provisions
- b. State the orders of Hon'ble Supreme Court and CEC on environmental issues
- c. Describe judicial intervention in FCA, FRA and EIA Cases
- d. Discuss the pros and cons of 'judicial interventions'

17. Intellectual Property Rights (IPR) issues in Forestry

At the end of the session, participants will be able to –

- a. Define IPR in global & national context
- b. Explain the scope and relevance of IPR in changing scenario of Forestry Sector
- c. Describe the elements of 'IPR', 'COPYRIGHT' and 'PATENTING' etc
- d. Explain the current scenario of Patents and Forestry interface

18. Visiting institution pertaining to Wildlife

At the end of the visit, participants will be able to –

- a. Have deeper understanding on some topics pertaining to wildlife learning through the Course

MODULE - IV

TOOLS & TECHNIQUES

19. Plant Identification Techniques

At the end of the session, participants will be able to –

- a. Demonstrate the use of Guide book, binoculars and related field equipments
- b. Demonstrate the use of indicators for observation in the field
- c. Describe the salient features of specified common species
- d. Explain the importance and relationship of plants in the specific 'ecosystem'

20. Advance Nursery Management Techniques

At the end of the field visit, participants will be able to –

- a. Demonstrate the Basic Nursery Management Techniques
- b. Devise the criteria to be used for 'site selection' & 'species selection'
- c. Demonstrate the use of the successfully adopted Techniques
- d. Describe the procedure of maintaining nursery record, stocks, seed-store and registers
- e. Explain the procedure of procurement of seeds, equipments, techniques and consultancy

21. Computer Applications

At the end of the session, participants will be able to –

- a. Operate MS Word & make Power Point Presentations
- b. Use MS-Excel
- c. Learn various short commands & useful operations
- d. Operate internet and e-mail

22. Basic Role of GIS & RS in Forestry

At the end of the session, participants will be able to –

- a. Describe the role & importance of the use of GIS & RS in Forestry
- b. Identify the present status of GIS & RS in Forestry
- c. Explain the procedure of procurement of GIS-RS & related facilities

23. Use of GPS

At the end of the session, participants will be able to –

- a. Set up the GPS for use
- b. Demonstrate the use of GPS

26. Use of Digital Planimeter

At the end of the session, participants will be able to –

- a. Differentiate between conventional Planimeter and Digital Planimeter
- b. Describe the advantages of using Digital Planimeter
- c. Demonstrate the process of measuring irregular shaped boundary maps

MODULE - V

GENERAL MANAGEMENT

25. Stress Management

At the end of the session, participants will be able to –

- a. Define the types and levels of stress & causes thereof
- b. Demonstrate the ways to deal with official and personal stress
- c. Demonstrate the ways to keep stress-free environment
- d. State tips for stress-free lifestyle

26. Leadership & Motivational Skills

At the end of the session, participants will be able to –

- a. Explain various types of Leadership traits & Styles
- b. Define role & significance of motivation as management tool
- c. Demonstrate leadership & motivational skills
- d. Explain the power of good leadership & motivation in Human Resource Management

27. Interpersonal & Communication Skills

At the end of the session, participants will be able to –

- a. Explain the types of communication
- b. Demonstrate ‘interpersonal communication skills’
- c. Explain the power of ‘communication’

- d. Explain the qualities of an ‘effective communicator’

28. Media Management

At the end of the Panel Discussion, participants will be able to –

- a. Describe using media management skills in dealing with situations

29. Human Resource issues in Forestry

At the end of the Panel Discussion, participants will be able to –

- a. Describe HR issues in Forestry

30. Group Work

At the end of the session, participants will be able to –

- a. Facilitate their discussion and presentation skills

31. Theme based Field Visit

At the end of field visit, participants will be able to –

- a. Describe cases and issues in specific theme
- b. Facilitate their interaction skills to concerned people

Assessment

Assessment will be carried out by seeking formal/informal feedback from the participants during the course



| 1st Week Schedule | | | | |
|--------------------|--|---|--|--|
| Day | Session-I 09:30-11:00 hrs. | Session-II 11:15-12:45 hrs. | Session-III 14:15-15:45 hrs. | Session-IV 16:00-17:30 hrs. |
| Monday Day 1 | Registration, Inauguration | 27 Interpersonal Communication | 26 Leadership and Motivational skills | 25 Stress Management |
| Tuesday Day 2 | 17 Intellectual Property Rights Issues in Forestry | 3 Payment for Ecosystem Services & Forest Certification | 2 Minor Forest Produce | 30 Group Work- Group formation and topic allotment |
| Wednesday Day 3 | 8 Human Animal Interface | 4 Climate Change, CDM & REDD' | 13 Search, Seizure & Confiscation | 14 Investigation Procedure in Wildlife cases |
| Thursday Day 4 | 10 Forest Working Plan | 11 Forest Conservation Act | 16 (a-c) Environmental Degradation & Judicial Intervention | 16 (b-d) Environmental Degradation & Judicial Intervention-Panel Discussion |
| Friday Day 5 | 1 Eco- Development Interface Issues | 6 Community based Ecotourism | 19 Plan identification Techniques | 20 Advanced Nursery Management techniques |
| Saturday Day 6 | 31 Theme based Field Visit | | | |

| 2nd Week Schedule | | | | |
|--------------------|---|---|---|--|
| Monday Day 7 | 9 Protected Area Management | 15 Wildlife Forensics | 18 Visit to Wildlife Forensic Lab at WII | |
| Tuesday Day 8 | 22 Basic Role of GIS & RS in Forestry | 23 Use of GPS | 21 Computer Applications | |
| Wednesday Day 9 | 12 Forest Rights Act, 2006 | 12 Forests Rights Act, 2006-Panel Discussion | 21 Computer Applications | 24 Use of Digital Planimeter |
| Thursday Day 10 | 7 Implementation of Schemes like Greening India, MNREGA & FDA | 5 Community Forestry & JFM | 29 Human Resource Issues in Forestry- Panel Discussion | 28 Media Management- Panel Discussion |
| Friday Day 11 | Presentation by participants | | Feedback & Valedictory | |

Yoga Session 0630 hrs to 0730 hrs

Sports time 1730 hrs to 1830 hrs

| Time Distribution | |
|---|---|
| Registration, Inauguration & Expectations | 1 session of 1hr 30 min |
| Valedictory & Feedback | 1 session of 1hr 30 min |
| Input Sessions | 29 sessions of 1hr 30 min each (total 43 hrs 30 minutes) |
| Participants Sessions | 3 sessions |
| Local visits to WII | 2 sessions of 1hr 30 min each |
| Local visit to Nursery | 1 session of 1hr 30 min |
| Field Visit | One Full day |
| Yoga Sessions | 9 sessions of 1hr each (total 9 hrs) |
| Sports Time | 9 sessions of 1hr each (total 9 hrs) |
| MODULE wise break-up of Learning Units | |
| Contemporary Issues | 7 sessions |
| Forestry & Wildlife | 3 sessions |
| Legal Issues | 7 sessions |
| Tools-Techniques & Practices | 7 sessions |
| General Management | 5 sessions |

