



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

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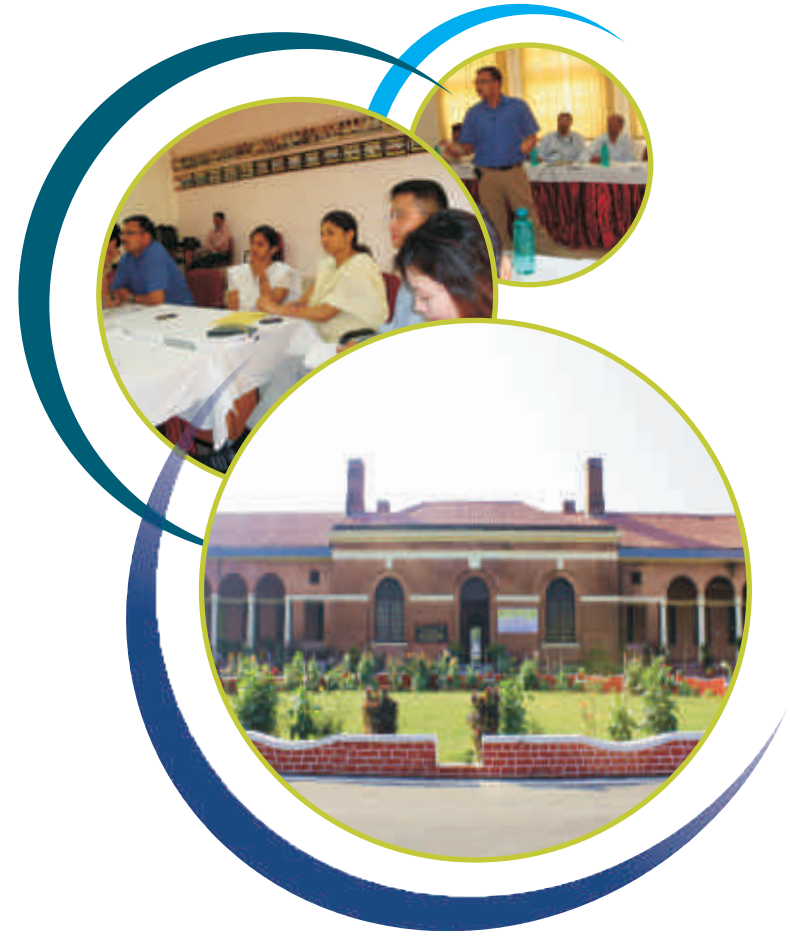
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COURSE GUIDE

Training-cum-Workshop for In- Service SFS Officers on
"Wildlife Management" (WLM)

3-8 September, 2012



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

Dr. Dharmendra Verma, IFS
Director, Forest Education



Training module on Wild Life Management has been designed to fulfill the needs of field officers and forest staff, which they encounter while dealing with issues related to Wild Life Management. 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

Developed by
Sh. Surender Mehra, IFS
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Introduction

The ever increasing human population is mounting pressure on natural resources including forests and wildlife since evolution. At the time, it is of paramount importance to conserve and sustain the Wildlife for the existence of mankind. Though it is very difficult to envisage co existence of man and animal in present socio economic human controlled environment, but exclusive domain of wild life can be maintained by minimizing the human interference in these natural ecosystems. In this regard, it is imperative for forest management personnel to -

- Familiarize themselves with latest concepts in Wildlife Management.
- Develop competence in Wildlife Management Techniques.
- Have an exposure on –
 - Conservation Policies;
 - Treaties & Conventions;
 - Legislations; and
 - Mechanism/Procedures of 'enforcement'
- Understand integration of 'livelihood and cultural interests' of local population in Wildlife Management Strategies.
- Have first-hand experience of using latest scientific methods, tools and techniques available in wild life management.

These aspects have been taken into account while preparing this Course.

Aim

- To develop awareness and competencies on Wildlife Management in SFS officers at DCF/ACF level.
- To provide the field oriented practical inputs to the participants on wild life management.
- To improve knowledge and skills of SFS officers on the subject.

Designed for

DCF/ACF level SFS Officers

Facilitators

Faculty of Central Academy for State Forest Service (CASFoS), Dehradun and experienced Guest Faculty

Course Style

- Six-day workshop
- Trainee-centered
- Experience-sharing and problem-solving
- Emphasis on application flawlessly
- Peer-learning
- Supported/ Supplemented by – Training Kit (Compendiums & CD)
- Case Studies & Case Laws

Learning Unit wise Objectives...

1. Overview of Wildlife and Protected Area (PA) Management

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

- State an 'Overview' of the Wildlife and PA Management.
- Describe the PA Network.
- Explain various concepts of Wild Life management.
- Describe the 'Species-based Conservation Approaches'.
- Define 'Protected Areas and Landscape Management'.

2. Management Planning

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

- State the 'Functions of a Management Plan'
- Describe Management Goals and Objectives
- Describe the 'Management Plan' Format
- List the 'Components' of Management Plan
- Describe the 'Planning Process'
- Address the 'Concern for Biodiversity in Forest Working Plans'
- Analyze the results of 'Previous Management'
- Identify the 'Protected Area and the Interface Land Use Situation'
- Explain 'Management Strategies'
- Prepare the 'Proposed Management Plan'

3. Habitat Management

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

- Define the 'Management of Special Habitats'
- Explain the 'management of vegetation including invasive species'
- Describe ways of the 'management of water resources'
- Describe importance of 'Habitat management in Non Protected Areas'

4. Wildlife Laws in India

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

- Describe the Wildlife Laws
- State the 'International Conventions and Legal Obligations'
- Describe the Salient Features of Wildlife (Protection) Act, 1972
- Explain 'Critical Wildlife Habitats' under provisions of Forest Right Acts, 2006
- Explain management of 'Critical Tiger Habitats'

5. Prosecution of Wildlife Offences

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

- Describe the ways and means of 'Wildlife Crime Detection'
- State legal procedures of prevention of Wildlife Crime
- Explain the procedure in 'Prosecution and Trials in a Court of Law'
- Describe the 'duties and powers of Forest Officers' related to prosecution of Wildlife Offences.
- Describe relevant Case Laws.

6. Mainstreaming Conservation in 'Development'

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

- Describe the impact of development projects on Wildlife Habitats and Mitigation Strategies
- Explain strategic environmental assessment

7. Man-Animal Conflict

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

- Raise issues and circumstances of Man-Animal Conflict

- Describe steps involved in managing problem animal (tracking and tranquillizing)
- Explain ways of man-management, namely, crowd and public
- Describe ways of doing the inter-departmental coordination e.g. with Revenue and Police
- State the guidelines to handle conflict situation (Man Animal conflict).

8. Field Visit to Rajaji National Park

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

- Describe 'Landscape Management'
- Identify 'Conservation' and 'Development' issues
- Discuss legal issues in Wildlife
- Bring out parameters of Wildlife Habitat Management
- Describe the principles of tourism in PAs

9. Captive Management

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

- Describe the purpose and objective of 'Captive Management'
- Explain legal provisions pertaining to 'Zoo Management'
- State the guidelines of Central Zoo Authority
- Describe international guidelines, namely, International Union for Conservation of Nature and Natural Resources (IUCN) and Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)

10. Managing animal in distress

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

- Identify circumstances of animal in distress
- State issues involved in 'veterinary care' of captive animal
- Describe the provisions of 'Protocol for Managing Animals in Distress'
- Describe guidelines of 'Central Zoo Authority' to handle animals in distress

11. Visit to Wildlife Institute of India (WII)

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

- Ascertain interface of WII and Forest Department.
- Explore facilities available in WII relating to forensics and species identification
- Explain guidelines for collection of Wildlife samples
- Describe importance of Wildlife forensics in Wildlife Law Enforcement

12. Eco- Tourism/ Interpretation

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

- Define 'tourism' and 'eco-tourism' in Wildlife Areas
- Describe the procedure of management of tourism
- Define the parameters of carrying capacity of tourism in PAs
- Describe the guidelines and legal provisions of tourism management in PAs
- State steps in spreading 'Conservation education'
- State 'interpretation facilities'
- Describe architectural and aesthetic view point in interpretation facility in PAs

13. Eco-Development interface issues

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

- Explain the concept of 'eco-development'.
- Identify stakeholders in eco-development
- Describe the concept of 'micro-level planning'.
- Explain the concept of livelihood based group formation.
- Describe ways and means of livelihood of fringe populations.

14. Wildlife (Tiger CoPredators and other) Population Monitoring Protocol

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

- Use the basic census techniques for mega faunal techniques

- Explain the Tiger, CoPredator and Prey Estimation Protocol of NTCA.
- Give an Overview of censuring lesser taxa.
- Display 'Rapid Assessment Techniques'.

15. Modern techniques for Wildlife Management

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

- Use GIS as used in Wildlife Conservation
- Explain Satellite Telemetry
- Identify Sensor Networks for Wildlife

16. Presentation and Experience sharing by participants.

During this Session, participants will be able to-

- Share individual's experience in Wild Life Management.
- Discuss important Case Study.

Assessment

The priority during the course is to help participants to improve knowledge and skill w.r.t 'Wildlife Management'. The Assessment will be done by formal and informal feedback at the beginning and after the course is completed.



Timetable

Given below is an indication of how the various learning activities are scheduled into six days of the Course 09.

Day	Session-I 0915-1105 hrs.	Session-II 1120-1310 hrs.	Session-III 1430-1600 hrs.	Participants Session 1620-1730hrs.
Monday (I)	Registration, Inauguration, Expectations	Overview & PA Management 1*	Management Planning 2*	Habitat Management 3*
Tuesday (II)	Wildlife Laws in India 4*	Prosecution of Wildlife Offences 5*	Development & Conservation Strategy 6*	Man Animal Conflict 7*
Wednesday (III)	Field Visit : Rajaji National Park (Landscape/Corridor Management) 8*			
Thursday (IV)	Tiger & Co Predator Monitoring Protocol 9*	Managing Animals in Distress 10*	Visit to WII (Wildlife Forensics) 11*	
Friday (V)	Eco-Tourism/ Interpretation 12*	Eco- Development 13*	Captive (Zoo) Management 14*	Presentation and Experience Sharing by Participants & Q/A Session 16*
Saturday (VI)	Modern Technology in Wildlife Management 15*	Presentation and Experience Sharing by Participants & Q/A Session 16*		Valediction and Relieving

*Numbers shown with title of various sessions above refers to the learning unit number.

Yoga Session 0600 hrs to 0700 hrs

Sports time 1730 hrs to 1830 hrs

Time Distribution

Registration & Inauguration	: 2 Sessions
Valedictory & Feedback	: 2 Sessions
Input Sessions	: 12 sessions of 1hr 50mins and 3 sessions of 1 hr 10 mins
Field visit to Rajaji National Park	: One Full Day
Visit to Wildlife Institute of India	: Half Day
Participants Sessions	: 2 sessions of 1hr 50 mins each
Yoga Session	: 5 sessions of 1hr each
Sports Time	: 5 sessions of 1hr each

