

### SPECIAL COURSES AND INSTITUTIONS IDENTIFIED FOR THE PURPOSE

**Forest Management is witnessing paradigm shift due to its fast changing priorities and strategies, inter-sectoral linkages and people centered approach. As a result, role of the forest official has undergone a sea-change; from traditional manager of a defined field to that of a facilitator and catalyst of environmental conservation, rural development and social change. His knowledge and skills must, therefore, be updated and enhanced to fully address the emerging trends in forestry. Further, there are certain assignments entrusted to the officer time to time, which necessitate specialized training and advance studies.** Having fully realized the importance of trainings for human resource development, the Government of India are of a considered opinion that short duration special courses need to be conducted in various specialized Institutions in the country. Based on enabling immediate objectives, the courses may be of capsule module pattern ranging from seven days to one month. The Government of India has identified 28 such relevant courses and also various suitable Institutions, which are given in alphabetical order as under:

1. **Agro-forestry**
  - i. Central Agro-forestry Research Institute, Jhansi.
  
2. **Alternative/ Non conventional Sources of Energy**
  - i. Non -conventional Energy Development Agencies of various states/ UTs.
  - ii. The Energy & Resources Institute, New Delhi.
  
3. **Biodiversity Conservation and Assessment: National Parks/ Sanctuaries/ Eco-development/ Wildlife Management/ Captive Breeding / Gene-pool Conservation.**
  - i. Wildlife Institute of India, Dehradun
  - ii. Botanical Survey of India, Kolkata
  - iii. Zoological Survey of India, Kolkata
  - iv. Bombay Natural History Society, Mumbai
  - v. Foundation for Rehabilitation of Local Health Traditions (FRLHT), Bangalore

- vi. Kerala Forest Research Institute, Peechi, Thrissur, Kerala
4. **Biomedical Systems in India.**
- i. Institutes of the Indian Council of Forestry Research and Education (ICFRE).
  - ii. Himalaya Drugs, Dehradun.
  - iii. Shantikunj, Haridwar.
  - iv. Jadi Booti Shodh Sansthan, Gopeshwar, Uttaranchal
  - v. Directorate of Ayurveda and its Institutes
  - vi. Central Drug Research Institute (CDRI), Lucknow.
  - vii. Foundation for Rehabilitation of Local Health Traditions (FRLHT), Bangalore.
5. **Computer Applications in Forestry**
- i. SFS College, Dehradun and Coimbatore.
  - ii. Indian Institute of Remote Sensing, Dehradun.
  - iii. Forest Survey of India, Dehradun.
  - iv. National Informatics Centres.
  - v. Forestry Training Institute, Kanpur.
6. **Corporate Management**
- i. Indian Institute of Corporate Management, Delhi.
  - ii. Management Development Institute, Gurgaon.
  - iii. Indian Institute of Forest Management, Bhopal.
  - iv. Vaikunth Mehta Institute of Co-operative Management, Pune
7. **Ecotourism, Recreational Forestry and Landscape Management**
- i. Wildlife Institute of India, Dehradun.
  - ii. Institute of Planning and Architecture, Delhi.
8. **Environmental Impact Assessment**
- (i) National Environmental Engineering Research Institute (NEERI), Nagpur.
  - (ii) Wildlife Institute of India, Dehradun.
  - (iii) Center for Environmental Education, Ahmedabad.
9. **Environmental and Resource Economics**
- i. Indian Institute of Financial Management, Gurgaon.
  - ii. Indian Institute of Forest Management, Bhopal.
  - iii. Institute of Economic Growth, New Delhi.

10. **Extension and Personnel Management**
  - i. Indian Institute of Mass Communication, New Delhi.
  - ii. Extension Education Institute, Nilokheri, Karnal, Haryana.
  - iii. National Institute of Rural Development, Hyderabad.
  
11. **Fodder Management**
  - i. Indian Grassland and Fodder Research Institute, Jhansi.
  - ii. Central Arid Zone Research Institute, Jodhpur.
  - iii. Tamil Nadu Agricultural University, Coimbatore.
  
12. **Forest based industries**
  - i. Ballarpur Paper Mills, Ballarshah (Chandrapur).
  - ii. WIMCO, Bareilly.
  - iii. Indian Plywood Industries Research and Training Institute, Bangalore.
  - iv. Sandalwood Research Centre, Bangalore.
  
13. **Genetics and Tree Breeding**
  - i. Institutes of Indian Council of Forestry Research and Education.
  - ii. Indian Tobacco Company. Bhadrachallam.
  - iii. BIOTRIM, Thiruvananthapuram
  - iv. Kerala Forest Research Institute, Peechi, Thrissur, Kerala
  - v. State Forest Research Institute, Uttar Pradesh, Kanpur.
  
14. **Human Resource Development, Management and Planning**
  - i. Indian Institute of Public Administration, Delhi.
  - ii. National Institute of Rural Development, Hyderabad.
  - iii. Institute of Rural Management, Anand (Gujarat).
  - iv. Administrative Training Institutions of States.
  
15. **Integrated Area Development**
  - i. National Institute of Rural Development, Hyderabad.
  - ii. Institute of Rural Management, Anand (Gujarat)..
  
16. **Joint Forest Management**
  - (i) State Forest Service Colleges and Range Forest Officers Colleges.
  - (ii) Indian Institute of Forest Management, Bhopal

- (iii) Forestry Training Institute, Kanpur.
- 17. **Non-Timber Forest Produce – Species Conservation and Development**
  - (i) Forest Research Institute, Dehradun.
  - (ii) Indian Institute of Forest Management, Bhopal.
- 18. **Orchid Culture and Maintenance of Orchidarium**
  - i. Sikkim Orchidarium, Gangtok.
  - ii. Orchid Research Center, Tippi, Arunachal Pradesh.
- 19. **Policy and Legal Issues**
  - (i) State Forest Service Colleges, Dehradun/ Coimbatore.
  - (ii) Center for Environmental Research and Advocacy, Bangalore.
  - (iii) Indian Institute of Public Administration, Delhi.
  - (iv) Institute of Judicial Training and Research. Lucknow
- 20. **Project Formulation**
  - (i) Indian Institute of Forest Management, Bhopal.
  - (ii) Institute of Defence Research, Mussoorie.
  - (iii) Forestry Training Institute, Kanpur
- 21. **Remote Sensing and GIS Applications**
  - i. Indian Institute of Remote Sensing, Dehradun
  - ii. Forest Survey of India, Dehradun.
  - iii. Wildlife Institute of India, Dehradun.
  - iv. National Remote Sensing Agency, Hyderabad
  - v. Andhra Pradesh Forest Academy, Dulapalli, Hyderabad
  - vi. Space Application Centre, Ahmedabad
- 22. **Research Methodologies including statistical designs**
  - i. Institutes of Indian Council of Forestry Research and Education.
  - ii. Indian Statistical Institute, Calcutta.
  - iii. National Environmental Engineering Research Institute, Nagpur
- 23. **Rural Development and Management**
  - i. Institute of Rural Management, Anand (Gujarat).
  - ii. Banking Institute of Rural Development, Lucknow

- iii. Vaikunth Mehta Institute of Cooperative Management, Pune.
  - iv. National Institute of Rural Development, Hyderabad.
24. **Soil Conservation and Watershed Management**
- i. Central Soil and Water Conservation Research Institute, Dehradun.
  - ii. Central Arid Zone Research Institute, Jodhpur.
  - iii. National Bureau of Soil Survey and Land Use Planning, Nagpur.
  - iv. State Forest Service College, Dehradun.
  - v. Institutes of Indian Council of Forestry Research and Education (ICFRE).
  - vi. French Institute, Auroville (Pondicherry).
25. **Survey, Inventories and Management Plans**
- i. Wildlife Institute of India, Dehradun.
  - ii. Forest Survey of India, Dehradun and its regional offices.
  - iii. Space Application Centre, Ahmedabad.
  - iv. Regional and State Remote Sensing Centres.
  - v. Botanical Survey of India, Kolkata.
  - vi. Zoological Survey of India, Kolkata.
26. **Training of Trainers**
- i. Administrative Training Institutes at Nainital/ Mysore/ Shimla/ Jaipur/ Guwahati.
  - ii. Indian Institute of Public Administration, Delhi
  - iii. Institute of Training and Management, New Delhi.
27. **Use of Pesticides/ Fungicides/ Insecticides/ Manures and Fertilizers/ Growth Hormones**
- i. G.B. Pant university of Agriculture and Technology, Pantnagar, Uttaranchal
  - ii. Dr. Y.S. Parmar University of Agriculture and Forestry, Solan, Himachal Pradesh.
  - iii. Tamil Nadu Agricultural University, Coimbatore.
  - iv. Agricultural University, Jorhat
  - v. Acharya Narendra Dev Agriculture University, Faizabad.

**28. Wood preservation techniques/ seasoning and use of fire retardants.**

- i. Forest Research Institute, Dehradun
- ii. Institute of Wood Science and Technology, Institute of Wood Science and Technology, Bangalore.
- iii. Indian Plywood Industries Research and Training Institute, Bangalore.

**29. Zoo Management**

- i. Wildlife Institute of India, Dehradun.
- ii. Jawaharlal Nehru Zoological Park, Hyderabad
- iii. National Zoological Park, New Delhi.

30. Water Harvesting/Conservation

31. Modern Nursery Techniques

32. Experiences in Joint Forest Management

33. Intelligence gathering and crime detection

34. Managing high visitor pressure eco-tourism sites

35. Systematic management (office management, Database/asset management)