

COURSES OFFERED

S. No	Certificate Course in	Duration of courses	ENVIS Hubs/RPs and Institutions/Entities concerned	Eligibility	Contact Details
1(a)	Value addition and Marketing of NTFPs (Plant Origin): Lantana Furniture and Crafts	400 hrs	CSF, AVV, Coimbatore	No Minimum Qualification	Centre for Sustainable Future, Amrita Vishwa Vidyapeetham, School of Engineering, Amritanagar, Coimbatore-641112, Tamil Nadu Mobile: 9489518865 Email: mayaenviron@gmail.com
1(b)	Value addition and Marketing of NTFPs (Plant Origin): Coconut Shells & Fibre Handicrafts	240 hrs	CPREEC, Chennai	No Minimum Qualification	No.1, Eldams Road, Alwarpet, Chennai-600 018, Tamil Nadu Phone: 044-24337023, 24346526, Email: cpreec@envis.nic.in, cpreec@gmail.com
1(c)	Value addition and Marketing of NTFPs (Plant Origin): Bamboo Crafts	400 hrs	CPREEC, Chennai	No Minimum Qualification	No.1, Eldams Road, Alwarpet, Chennai-600 018, Tamil Nadu Phone: 044-24337023, 24346526, Email: cpreec@envis.nic.in, cpreec@gmail.com
		400 hrs	DoE&F, Itanagar	No Minimum Qualification	D/o Environment & Forest, O/o Principal Chief Conservator of Forest, Itanagar 791111, Arunachal Pradesh Ph: 0360-2212547, Email: robindohu@gmail.com
		400 hrs	F&ED, Ranchi	No Minimum Qualification	Forests & Environment Department, Govt. of Jharkhand Conservator of Forests, Plantation Research & Evaluation, 1st Floor, B-Block, Van Bhawan, Doranda, Ranchi-834 002, Jharkhand Mobile: 09835123500, 9835198333 Email: jhar@envis.nic.in
		400 hrs	FRI, Dehradun	No Minimum Qualification	Silviculture Division, Forest Research Institute (Indian Council of Forestry Research and Education), P.O. New Forest, Dehradun-248006, Uttarakhand Phone: 0135-2224322, Email: head_silva@icfre.org
		400 hrs	TFRI, Jabalpur	No Minimum Qualification	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483, Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
		400 hrs	SCSTS, Gangtok	No Minimum Qualification	State Council of Science and Technology for Sikkim (SCSTS) Vigyan Bhawan, Deorali, Gangtok-737 102, Sikkim Phone: 03592-28940, Email: scsts@envis.nic.in
		400 hrs	Forests, Environment & Wildlife Management Department, Sikkim	No Minimum Qualification	ENVIS Centre Sikkim, Forest Secretariat Annex-II, Ground Floor, Room No.1101/1102, Deorali, Gangtok-737 102, Sikkim (East) Phone: 03592-280381 Email: sik@envis.nic.in
		400 hrs	KSCSTE, Thiruvananthapuram	No Minimum Qualification	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
		400 hrs	NPCB, Dimapur	No Minimum Qualification	Signal Point, Dimapur-797112, Nagaland Phone: 0386-2245727, Email: npc2@yahoo.com

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		400 hrs	RFRI, Jorhat	No Minimum Qualification	P.O. Box No-136, A.T. Road (East), Jorhat-785010, Assam Phone: 0376-2305101, Email: dir_rfri@icfre.org
1(d)	Value addition and Marketing of NTFPs (Plant Origin): NTFP Products / Medicinal Plants	140 hrs	AFRI, Jodhpur	Class 12th Pass	P.O. Kirshi Upaz Mandi, New Pali Road, Jodhpur-342005, Rajasthan Phone: 0291-2722549, Email: dir_afri@icfre.org
		140 hrs	HIMCOSTE, Shimla	Class 12th Pass	Himachal Pradesh Council for Science, Technology and Environment, B-34, SDA Complex, Kasumpti, Shimla-171 009, H.P. Phone: 0177-2620998, Email: hp@envis.nic.in,
		140 hrs	FRI, Dehradun	Class 12th Pass	Silviculture Division, Forest Research Institute (Indian Council of Forestry Research and Education), P.O. New Forest, Dehradun-248006, Uttarakhand Phone: 0135-2224322, Email: head_silva@icfre.org
		140 hrs	IWST, Bengaluru	Class 12th Pass	18th Cross, Malleshwaram, Bengaluru-560003, Karnataka Phone: 80-22190100, 22190200, Email: dir_iwst@icfre.org
		140 hrs	TFRI, Jabalpur	Class 12th Pass	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483, Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
		140 hrs	WWF, Delhi	Class 12th Pass	172-B, Lodhi Estate, New Delhi-110 003 Phone: 011-41504791, 41504793 Email: wwf@envis.nic.in, gareendran@wwfindia.net
2	Bird Identification and basic ornithology	160 hrs	TFRI, Jabalpur	Class 10th dropout	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483, Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
		160 hrs	DoE, Tamil Nadu	Class 10th dropout	1, Jeenis Road, Ground Floor, Panagal Building, Saidapet, Chennai-600015 Tamil Nadu India Phone: 91-044-24331243 Fax: 91-044-24336594 Email: tn@envis.nic.in
		160 hrs	GBPNIHESD, Almora	Class 10th dropout	G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD), Kosi - Katarmal, Almora-263643, Uttarakhand Phone: 05962-241024, Email: gbpihed@envis.nic.in
		160 hrs	Institute for Wildlife Sciences (IWS), University of Lucknow	Class 10th dropout	Institute for Wildlife Sciences University of Lucknow, Main Building, University Rd, Babujanj, Hasanganj, Lucknow-226007, Uttar Pradesh. Email: envisiwlulko@gmail.com,
		160 hrs	DoEERS, J&K	Class 10th dropout	Department of Ecology, Environment and Remote Sensing, State Government of J&K, SDA Complex, Bemina, Srinagar-190018 Telefax: 0194-2490823, 2454847 Email: jk-env@nic.in
		160 hrs	WWF, Delhi	Class 10th dropout	172-B, Lodhi Estate, New Delhi-110 003 Phone: 011-41504791, 41504793 Email: wwf@envis.nic.in, gareendran@wwfindia.net
		160 hrs	WII, Dehradun	Class 10th dropout	Chandrabani, Dehradun-248001, Uttarakhand Phone: 0135-2640910, 2646104 Email: wii@envis.nic.in, envis@wii.gov.in

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		160 hrs	SACON, Coimbatore	Class 10th dropout	Anaikatty P.O., Coimbatore-641 108, Tamil Nadu Phone: 0422-2203100/128/129, Email: sacon@envis.nic.in, staff.envis@gmail.com
3(a)	Value addition and Marketing of NTFPs (Animal Origin): Wild Bee Keeping & Processing	200 hrs	ASTEC, Guwahati	Class 10th Pass	Assam Science, Technology and Environmental Council Bigyan Bhawan, G.S. Road, Guwahati-781005, Assam Phone: 0361-2464617, Email: asm@envis.nic.in, j.baruah@nic.in
		200 hrs	GBPNIHESD, Almora	Class 10th Pass	G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD), Kosi - Katarmal, Almora-263643, Uttarakhand Phone: 05962-241024, Email: gbpihed@envis.nic.in
		200 hrs	Forests, Environment & Wildlife Management Department, Sikkim	Class 10th Pass	ENVIS Centre Sikkim, Forest Secretariat Annex-II, Ground Floor, Room No.1101/1102, Deorali, Gangtok-737 102, Sikkim (East) Phone: 03592-280381 Email: sik@envis.nic.in
		200 hrs	NPCB, Dimapur	Class 10th Pass	Signal Point, Dimapur-797112, Nagaland Phone: 0386-2245727, Email: npcb2@yahoo.com
		200 hrs	HIMCOSTE, Shimla	Class 10th Pass	Himachal Pradesh Council for Science, Technology and Environment, B-34, SDA Complex, Kasumpti, Shimla-171 009, H.P. Phone: 0177-2620998, Email: hp@envis.nic.in,
		200 hrs	SCSTS, Gangtok	Class 10th Pass	State Council of Science and Technology for Sikkim (SCSTS) Vigyan Bhawan, Deorali, Gangtok-737 102, Sikkim Phone: 03592-28940, Email: scsts@envis.nic.in
		200 hrs	MPCB, Aizawl	Class 10th Pass	Mizoram State Pollution Control Board (MPCB), New Secretariat Complex, Thlanmual Peng, Khatla, Aizawl, Mizoram-796001 Phone: 0389-2336590, 2336173, Fax: 0389-2336591, Email: miz@envis.nic.in
3(b)	Value addition and Marketing of NTFPs (Animal Origin): Lac & Tassar Cultivation	240 hrs	IFP, Ranchi	Class 10th Pass	Ranchi Gumla, National Highway - 23, Lalgutwa, Ranchi-835303, Jharkhand Phone: 0651-2948505, 2948515, Email: dir_ifp@icfre.org
4	Biodiversity Conservation	420 hrs	KSCSTE, Thiruvananthapuram	Class 12th	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
5	Quality Planting Material Producer	240 hrs	IFGTB, Coimbatore	Class 10th Pass	Institute of Forest Genetics and Tree Breeding (IFGTB), P.B. No. 1061, R.S. Puram P.O., Coimbatore-641002, Tamil Nadu

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					Phone: 0422-2484100/01, Email: ifgtb@envis.nic.in, dir_ifgtb@icfre.org
		240 hrs	KSCSTE, Thiruvananthapuram	Class 10th Pass	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
6	Sustain and Enhance Technical Knowledge in Solar Energy Systems	240 hrs	Department of Environment - Chandigarh	Class 12th dropout	Chandigarh Administration, 3rd Floor, Paryavaran Bhawan, Sector 19-B, Madhya Marg, Chandigarh (U.T.) -160019 Phone: 0172-2700065, Email: ch@envis.nic.in, dadhwalpjsd@gmail.com
		240 hrs	EPTRI, Hyderabad	Class 12th dropout	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		240 hrs	TERI, Patna	Class 12th dropout	The Energy Resources Institute (TERI)-PMU, B-79, Road No.5, Police Colony, Anisabad, Patna-800002 Mobile: 09304439804 Email: teri@envis.nic.in
		240 hrs	ADRI, Patna	Class 12th dropout	BSIDC Colony, Off Boring Patliputra Road, Patna 800013, Phone: 0651-2245084, Email: ceec.envis@nic.in
		240 hrs	Forests, Environment & Wildlife Management Department, Sikkim	Class 12th dropout	ENVIS Centre Sikkim, Forest Secretariat Annex-II, Ground Floor, Room No.1101/1102, Deorali, Gangtok-737 102, Sikkim (East) Phone: 03592-280381 Email: sik@envis.nic.in
7	Propagation and Management of Bamboo	240 hrs	NPCB, Dimapur	Class 12th Pass	Signal Point, Dimapur-797112, Nagaland Phone: 0386-2245727, Email: npcb2@yahoo.com
		240 hrs	FRI, Dehradun	Class 12th Pass	Silviculture Division, Forest Research Institute (Indian Council of Forestry Research and Education), P.O. New Forest, Dehradun-248006, Uttarakhand Phone: 0135-2224322, Email: head_silva@icfre.org
		240 hrs	DoE&F, Itanagar	Class 12th Pass	D/o Environment & Forest, O/o Principal Chief Conservator of Forest, Itanagar 791111, Arunachal Pradesh Ph: 0360-2212547, Email: robindohu@gmail.com
		240 hrs	IFP, Ranchi	Class 12th Pass	Ranchi Gumla, National Highway - 23, Lalgutwa, Ranchi-835303, Jharkhand Phone: 0651-2948505, 2948515, Email: dir_ifp@icfre.org
		240 hrs	IWST, Bengaluru	Class 12th Pass	18th Cross, Malleshwaram, Bengaluru-560003, Karnataka Phone: 80-22190100, 22190200, Email: dir_iwst@icfre.org
		240 hrs	RFRI, Jorhat	Class 12th Pass	P.O. Box No-136, A.T. Road (East), Jorhat-785010, Assam Phone: 0376-2305101, Email: dir_rfri@icfre.org
		240 hrs	TFRI, Jabalpur	Class 12th Pass	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483,

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					Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
		240 hrs	KSCSTE, Thiruvananthapuram	Class 12th Pass	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
8	Plantation Techniques and Utilization of Renewable Energy in Arid Zone	180 hrs	ICAR-CAZRI, Jodhpur	Class 12th Pass	Central Arid Zone Research Institute (CAZRI) Dr. Raheja Library, Jodhpur-342 003, Rajasthan Phone: 0291- 2786931, Email: cazri@envis.nic.in, jai.singh@icar.gov.in
9	Forest Entomology & Pest Control	216 hrs	FRI, Dehradun	Graduate	Silviculture Division, Forest Research Institute (Indian Council of Forestry Research and Education), P.O. New Forest, Dehradun-248006, Uttarakhand Phone: 0135-2224322, Email: head_silva@icfre.org
		216 hrs	KSCSTE, Thiruvananthapuram	Graduate	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
		216 hrs	IFGTB, Coimbatore	Graduate	Institute of Forest Genetics and Tree Breeding (IFGTB), P.B. No. 1061, R.S. Puram P.O., Coimbatore-641002, Tamil Nadu Phone: 0422-2484100/01, Email: ifgtb@envis.nic.in, dir_ifgtb@icfre.org
		216 hrs	TFRI, Jabalpur	Graduate	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483, Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
10	Valuation of Ecosystem Services and Green GDP	105 hrs	SPA, Delhi	Graduate	4, Block-B, IP Estate, New Delhi-110002 Phone: 011-23702393, Email: spa@envis.nic.in
		105 hrs	IOM, Chennai	Graduate	Koodal Building, Anna University, Chennai- 600 025, Tamil Nadu Phone: 044- 22357506, Mobile: 9677275065 Email: iom-env@nic.in, bvmudgal@gmail.com
		105 hrs	EPTRI, Hyderabad	Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		105 hrs	IISc, Bengaluru	Graduate	Indian Institute of Science (IISc), Centre for Ecological Sciences, CES TE 15, Third Floor, E Wing, New Biology Building, Bengaluru, Karnataka-560 012 Phone: 080-22932099, 22933503, 2360098 Email: envis.ces@iisc.ac.in, emram.ces@courses.iisc.ac.in

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		105 hrs	WWF, Delhi	Class 12th Pass	172-B, Lodhi Estate, New Delhi-110 003 Phone: 011-41504791, 41504793 Email: wwf@envis.nic.in, gareendran@wwfindia.net
		105 hrs	KSCSTE, Thiruvananthapuram	Graduate	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
11	Water Budgeting & Auditing	200 hrs	ADRI, Patna	Graduate	BSIDC Colony, Off Boring Patliputra Road, Patna 800013, Phone: 0651-2245084, Email: ceec.envis@nic.in
		200 hrs	KSCSTE, Thiruvananthapuram	Graduate	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
		200 hrs	IOM, Chennai	Graduate	Koodal Building, Anna University, Chennai-600 025, Tamil Nadu Phone: 044-22357506, Mobile: 9677275065 Email: iom-env@nic.in, bvmudgal@gmail.com
		200 hrs	WWF, Delhi	Graduate	172-B, Lodhi Estate, New Delhi-110 003 Phone: 011-41504791, 41504793 Email: wwf@envis.nic.in, gareendran@wwfindia.net
		200 hrs	School of Environmental Sciences Jawaharlal Nehru University (JNU)	Graduate	School of Environmental Sciences, New Delhi-110 067, India Phone: 011-26704302, 26704302, 26741538, 26741538 Fax: 26741538 Email: jnu@envis.nic.in,
		200 hrs	EPTRI, Hyderabad	Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
12	Paralegal Practices :Forestry Acts and Policy	80 hrs	FRI, Dehradun	Graduate	Silviculture Division, Forest Research Institute (Indian Council of Forestry Research and Education), P.O. New Forest, Dehradun-248006, Uttarakhand Phone: 0135-2224322, Email: head_silva@icfre.org
13	Bird Migration and Migration study techniques	186 hrs	BNHS, Mumbai	Graduate with basic knowledge of birds	Hornbill House, Dr. Salim Ali Chowk, Saheed Bhagat Singh Road, Mumbai-400 001, Maharashtra Phone: 022-22821811 Email: bnhs@envis.nic.in
14	ETP/STP/CETP Operation and Maintenance	300 hrs	CECB, Raipur	Science Graduate	CECB Office, Paryavas Bhawan, North Block, Sector-19, New Raipur-492 002, Chhattisgarh Phone: 0771-2512240, Email: cht@envis.nic.in, hocecb@gmail.com
		300 hrs	EPTRI, Hyderabad	Science Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		300 hrs	GCPC, Gandhinagar	Science Graduate	3rd Floor, Block no: 11-12, Udhyogbhavan, Sector:11, Gandhinagar - 382017, Gujarat. Phone: 079- 23244147, Email : gcpc-env@nic.in

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		300 hrs	ADRI, Patna	Science Graduate	BSIDC Colony, Off Boring Patliputra Road, Patna 800013, Phone: 0651-2245084, Email:ceecc.envis@nic.in
		300 hrs	CES, Bhubaneswar	Science Graduate	Forest & Environment Department, Government of Odisha, N-1/247, IRC Village, Nayapalli, Bhubaneswar-751 015, Odisha Phone: 0674-2551853, 2551853, Email: ori@envis.nic.in
		300 hrs	Department of Environment - Chandigarh	Science Graduate	Chandigarh Administration, 3rd Floor, Paryavaran Bhawan, Sector 19-B, Madhya Marg, Chandigarh (U.T.) -160019Phone: 0172-2700065, Email: ch@envis.nic.in, dadhwalpjsd@gmail.com
		300 hrs	Environment Management & Policy Research Institute (EMPRI)	Science Graduate	Department of Forests, Ecology and Environment, Govt. of Karnataka, Hasiru Bhawan, Doresanipalya Forest Campus, Vinayakanagara Circle, J.P. Nagar, 5th Phase, Bengaluru-560078, Karnataka Phone: 080-26490746/47 Fax: 080-26490745 Email: empri@envis.nic.in, empri.envis@gmail.com
15	Pollution Monitors :Air and Water Pollution	260 hrs	ADRI, Patna	Diploma in Engineering/Science Graduate	BSIDC Colony, Off Boring Patliputra Road, Patna 800013, Phone: 0651-2245084, Email:ceecc.envis@nic.in
		260 hrs	EPTRI, Hyderabad	Diploma in Engineering/Science Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		260 hrs	DoE&F, Itanagar	Diploma in Engineering/Science Graduate	D/o Environment & Forest, O/o Principal Chief Conservator of Forest, Itanagar 791111, Arunachal Pradesh Ph: 0360-2212547, Email: robindohu@gmail.com
		260 hrs	IIT-ISM, Dhanbad	Diploma in Engineering/Science Graduate	IIT-Indian School of Mines (ISM), Dept. of Environmental Science and Engineering, Dhanbad-826004, Jharkhand Phone: 0326-22335285, 2296625, Email: ism@envis.nic.in
		260 hrs	IITM, Pune	Diploma in Engineering/Science Graduate	Dr. Homi Bhabha Road, Pashan, Pune-411 008, Maharashtra Phone: 020-25904261/4212, Fax: 020-25893825 Email: iitm@envis.nic.in, baig@tropmet.res.in
		260 hrs	KSCSTE, Thiruvananthapuram	Diploma in Engineering/Science Graduate	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com
		260 hrs	School of Environmental Sciences Jawaharlal Nehru University (JNU)	Diploma in Engineering/Science Graduate	School of Environmental Sciences, New Delhi-110 067, India Phone: 011-26704302, 26704302, 26741538, 26741538 Fax: 26741538 Email: jnu@envis.nic.in,
		260 hrs	TSPCB, Agartala	Diploma in Engineering/Science Graduate	Parivesh Bhawan, Pandit Nehru Complex, Gorkhabasti, P.O. Kunjaban, Agartala-799 006, Tripura Phone: 0381-2322455, Email: trp@envis.nic.in, trippcb@sancharnet.in

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		260 hrs	DESKU, Nadia, West Bengal	Diploma in Engineering/Science Graduate	Department of Environmental Sciences (DES), University of Kalyani, Distt. Nadia, West Bengal - 741235 Phone: 033-25828750/292, Email: desku@envis.nic.in
		260 hrs	State Environment Department, Maharashtra	Diploma in Engineering/Science Graduate	New Administrative Building, 15th Floor, Madam Cama Marg, Mantralaya, Mumbai-400 032, Maharashtra Email: mah@envis.nic.in
		260 hrs	DoE&F, Itanagar	Diploma in Engineering/Science Graduate	D/o Environment & Forest, O/o Principal Chief Conservator of Forest, Itanagar 791111, Arunachal Pradesh Ph: 0360-2212547, Email: robindohu@gmail.com
		260 hrs	CASMB, Parangipettai, Tamil Nadu	Diploma in Engineering/Science Graduate	Centre for Advanced Study in Marine Biology (CASMB), Annamalai University, Parangipettai-608 502, Tamil Nadu Phone: 04144-243223, M.: 09443043597 Email: casmb@envis.nic.in, shanpappu48@gmail.com
		260 hrs	Punjab State Council for Science and Technology (PSCST)	Diploma in Engineering/Science Graduate	MGSIPA Complex, Second Floor, Adj. Sacred Heart School, Sector-26, Chandigarh-160 019, Punjab Phone: 0172-2792325, 2795001, 2793300 Email: pun@envis.nic.in,
		260 hrs	CECB, Raipur	Diploma in Engineering/Science Graduate	CECB Office, Paryavas Bhawan, North Block, Sector-19, New Raipur-492 002, Chhattisgarh Phone: 0771-2512240, Email: cht@envis.nic.in, hocecb@gmail.com
		260 hrs	UEPPCB, Dehradun	Diploma in Engineering/Science Graduate	Uttarakhand Environment Protection & Pollution Control Board, 29/20, Nemi Road, Dalanwala, Dehradun-248001, Uttarakhand Phone: 0135-2658086, Email: utr@envis.nic.in, palss2009@gmail.com
		260 hrs	Puducherry PCC	Diploma in Engineering/Science Graduate	IIIrd Floor, Puducherry Housing Board Building, Anna Nagar, Puducherry-605 005 Phone: 0413-2201256, Fax: 0413-2203494, Email: envis.pon@nic.in, dste.pon@nic.in
	soil	200 hrs	NBRI, Lucknow	Diploma in Engineering/Science Graduate	Rana Pratap Marg, Lucknow-226 001, Uttar Pradesh Phone: 0522-2297939/979, Coordinator (M.) : 09450930788, Email: nbri@envis.nic.in, pankajk@nbri.res.in
16	Laboratory Technicians/ Technical Assistants for energy efficiency, star labelling and other electrical testing for environmental criteria	264 hrs	CERC, Ahmedabad	ITI(Electrician/Wireman)/Diploma/Degree"" (Electrician/Wireman)	Consumer Education and Research Centre (CERC), Suraksha Sankool, Thaltej, Sarkhej-Gandhinagar Highway, Ahmedabad-380 054, Gujarat Phone: 079-27489945, 27450528 Email: cerc@envis.nic.in, cerc@cercindia.org
17	Emission Inventory	130 hrs	IITM, Pune	Graduate/Post Graduate/Engineering Background	Dr. Homi Bhabha Road, Pashan, Pune-411 008, Maharashtra Phone: 020-25904261/4212, Fax: 020-25893825 Email: iitm@envis.nic.in, baig@tropmet.res.in
18	Advance Course in Para taxonomy including Peoples Bio-diversity Register (PBR)	420 hrs	ASTEC, Guwahati	Science Graduate	Assam Science, Technology and Environmental Council Bigyan Bhawan, G.S. Road, Guwahati-781005, Assam Phone: 0361-2464617, Email: asm@envis.nic.in, j.baruah@nic.in
		420 hrs	BNHS, Mumbai	Science Graduate	Hornbill House, Dr. Salim Ali Chowk, Saheed Bhagat Singh Road, Mumbai-400 001, Maharashtra Phone: 022-22821811 Email: bnhs@envis.nic.in

COURSES OFFERED

		420 hrs	Institute for Wildlife Sciences (IWS), University of Lucknow	Class 10th dropout	Institute for Wildlife Sciences University of Lucknow, Main Building, University Rd, Babuganj, Hasanganj, Lucknow-226007, Uttar Pradesh.
		420 hrs	F&ED, Ranchi	Science Graduate	Forests & Environment Department, Govt. of Jharkhand Conservator of Forests, Plantation Research & Evaluation, 1st Floor, B-Block, Van Bhawan, Doranda, Ranchi-834 002, Jharkhand Mobile: 09835123500, 9835198333 Email: jhar@envis.nic.in
		420 hrs	DESKU, Nadia, West Bengal	Science Graduate	Department of Environmental Sciences (DES), University of Kalyani, Distt. Nadia, West Bengal - 741235 Phone: 033-25828750/292, Email: desku@envis.nic.in
		420 hrs	EPTRI, Hyderabad	Science Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		420 hrs	GBPNIHESD, Almora	Science Graduate	G.B. Pant National Institute of Himalayan Environment and Sustainable Development (GBPNIHESD), Kosi - Katarmal, Almora-263643, Uttarakhand Phone: 05962-241024, Email: gbpihed@envis.nic.in
		420 hrs	Environment Management & Policy Research Institute (EMPRI)	Science Graduate	Department of Forests, Ecology and Environment, Govt. of Karnataka, Hasiru Bhawan, Doresanipalya Forest Campus, Vinayakanagara Circle,
		420 hrs	DoE, Tamil Nadu	Science Graduate	11, Jeenis Road, Ground Floor, Panagal Building, Saidapet, Chennai-600015 Tamil Nadu India Phone: 91-044-24331243 Fax: 91-044-24336594 Email: tn@envis.nic.in
		420 hrs	HIMCOSTE, Shimla	Science Graduate	Himachal Pradesh Council for Science, Technology and Environment, B-34, SDA Complex, Kasumpti, Shimla-171 009, H.P. Phone: 0177-2620998, Email: hp@envis.nic.in, kunalsatyarthi@gmail.com
19	Wildlife Management using Geospatial Techniques	264 hrs	WWF, Delhi	Science Graduate	172-B, Lodhi Estate, New Delhi-110 003 Phone: 011-41504791, 41504793 Email: wwf@envis.nic.in, gareendran@wwfindia.net
		264 hrs	WII, Dehradun	Science Graduate	Chandrabani, Dehradun-248001, Uttarakhand Phone: 0135-2640910, 2646104 Email: wii@envis.nic.in, envis@wii.gov.in
20	Plant Tissue Culture Techniques and its Applications	320 hrs	NBRI, Lucknow	Diploma in Engineering/Science Graduate	Rana Pratap Marg, Lucknow-226 001, Uttar Pradesh Phone: 0522-2297939/979, Coordinator (M.) : 09450930788, Email: nbri@envis.nic.in, pankajk@nbri.res.in
		320 hrs	EPTRI, Hyderabad	Science Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
		320 hrs	KSCSTE, Thiruvananthapuram	Science Graduate	Kerala State Council for Science, Technology and Environment (KSCSTE), Sasthra Bhawan, Pattom P.O., Thiruvananthapuram-695 004, Kerala Phone: 0471-2548210, Email: ker@envis.nic.in, envkerala@gmail.com

COURSES OFFERED

		320 hrs	IFGTB, Coimbatore	Class 10th Pass	Institute of Forest Genetics and Tree Breeding (IFGTB), P.B. No. 1061, R.S. Puram P.O., Coimbatore-641002, Tamil Nadu Phone: 0422-2484100/01, Email: ifgtb@envis.nic.in, dir_ifgtb@icfre.org
		320 hrs	TFRI, Jabalpur	Science Graduate	P.O. RFRC, Mandla Road, Jabalpur-482021, Madhya Pradesh Phone: 0761-2840483, Email: dir_tfri@icfre.org, dir_tfri@yahoo.co.in
21	Waste Management:(Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction and Demolition Waste)	300 hrs	EPTRI, Hyderabad	Science Graduate	91/4, Gachibowli, Hyderabad - 500 032 Phone: 040-23180120, 23180111 Email: eptri@envis.nic.in, ap@envis.nic.in, suneela@eptri.com
300 hrs		TCE, Madurai	Science Graduate	Dept. of Chemistry, Mdurai-625015, Tamil Nadu Ph: 0452-2482240/903, Coordinator (M.): 09486486728 Email: deaneca@tce.edu	
300 hrs		AFRI, Jodhpur	Science Graduate	P.O. Kirshi Upaz Mandi, New Pali Road, Jodhpur-342005, Rajasthan Phone: 0291-2722549, Email: dir_afri@icfre.org	
300 hrs		MPCB, Aizawal	Science Graduate	Mizoram State Pollution Control Board (MPCB), New Secretariat Complex, Thlanmual Peng, Khatla, Aizawl, Mizoram-796001 Phone: 0389-2336590, 2336173, Fax: 0389-2336591, Email: miz@envis.nic.in	
300 hrs		Dept of Environment, Imphal	Science Graduate	Department of Forest and Environment, Directorate of Environment, Govt. of Manipur, Porompat, New Imphal East DC, Opposite S.P. Office, Imphal (East) 795005 Phone: 0385-2442318, M.: 09862135592, Email: man@envis.nic.in	
300 hrs		DzUM, Chennai	Science Graduate	Life Sciences Building, Guindy Campus, Chennai-600 025, Tamil Nadu Phone: 044-22300899, Email: dzum@envis.nic.in, enviscoordinator@gmail.com	
300 hrs		Punjab State Council for Science and Technology (PSCST)	Science Graduate	MGSIPA Complex, Second Floor, Adj. Sacred Heart School, Sector-26, Chandigarh-160 019, Punjab	
300 hrs		NPCB, Dimapur	Science Graduate	Signal Point, Dimapur-797112, Nagaland Phone: 0386-2245727, Email: npcb2@yahoo.com	
300 hrs		CES, Bhubaneswar	Science Graduate	Forest & Environment Department, Government of Odisha, N-1/247, IRC Village, Nayapalli, Bhubaneswar-751 015, Odisha Phone: 0674-2551853, 2551853, Email: ori@envis.nic.in	
300 hrs		Puducherry PCC	Science Graduate	IIIrd Floor, Puducherry Housing Board Building, Anna Nagar, Puducherry-605 005 Phone: 0413-2201256, Fax: 0413-2203494, Email: envis.pon@nic.in, dste.pon@nic.in	
300 hrs	TSPCB, Agartala	Science Graduate	Parivesh Bhawan, Pandit Nehru Complex, Gorkhabasti, P.O. Kunjaban, Agartala-799 006, Tripura Phone: 0381-2322455, Email: trp@envis.nic.in, trippcb@sancharnet.in		
300 hrs	IIT-ISM, Dhanbad	Science Graduate	IIT-Indian School of Mines (ISM), Dept. of Environmental Science and Engineering, Dhanbad-826004, Jharkhand Phone: 0326-		

COURSES OFFERED

					22335285, 2296625, Email: ism@envis.nic.in
		300 hrs	F&ED, Ranchi	Science Graduate	Forests & Environment Department, Govt. of Jharkhand Conservator of Forests, Plantation Research & Evaluation, 1st Floor, B-Block, Van Bhawan, Doranda, Ranchi-834 002, Jharkhand Mobile: 09835123500, 9835198333 Email: jhar@envis.nic.in
		300 hrs	DESKU, Nadia, West Bengal	Science Graduate	Department of Environmental Sciences (DES), University of Kalyani, Distt. Nadia, West Bengal - 741235 Phone: 033-25828750/292, Email: desku@envis.nic.in
		300 hrs	DoEERS, J&K	Science Graduate	Department of Ecology, Environment and Remote Sensing, State Government of J&K, SDA Complex, Bemina, Srinagar-190018 Telefax: 0194-2490823, 2454847 Email: jk-env@nic.in
		300 hrs	SULABH, New Delhi	Science Graduate	RZ – 83, Sulabh Bhawan Mahavir Enclave, Palam, Dabri Road, New Delhi – 110045 Tel. – 91-11-45700118 Fax – 91-11-25034041 Email – sulabh@envis.nic.in Website: http://sulabhenvis.nic.in
22	Laboratory Assistant for Eco-friendly Food testing Laboratory	225 hrs	CERC, Ahmedabad	Science Graduate	Consumer Education and Research Centre (CERC), Suraksha Sankool, Thaltej, Sarkhej-Gandhinagar Highway, Ahmedabad-380 054, Gujarat Phone: 079-27489945, 27450528 Email: cerc@envis.nic.in, cerc@cercindia.org
		225 hrs	NIOH, Ahmedabad	Science Graduate	Meghani Nagar, Ahmedabad, Gujarat-380016 Phone: 079-22688866, Coordinator (M.): 0982506545, Email: nioh@envis.nic.in,
23	Cleaner Production Assessment	85 hrs	GCPC, Gandhinagar	Science Graduate	3rd Floor, Block no: 11-12, Udhyogbhavan, Sector:11, Gandhinagar - 382017, Gujarat. Phone: 079- 23244147, Email : gcpc-env@nic.in
24	Greenbelt Development for Industries	200 hrs	NBRI, Lucknow	Science Graduate	Rana Pratap Marg, Lucknow-226 001, Uttar Pradesh Phone: 0522-2297939/979, Coordinator (M.) : 09450930788, Email: nbri@envis.nic.in
25	Forest Fire Management	300 hrs	Forests, Environment & Wildlife Management Department, Sikkim	Class 12th Pass	ENVIS Centre Sikkim, Forest Secretariat Annex-II, Ground Floor, Room No.1101/1102, Deorali, Gangtok-737 102, Sikkim (East) Phone: 03592-280381 Email: sik@envis.nic.in

Certificate course on Para-taxonomy [including Peoples Bio-diversity Register (PBRs)]

The Course Aims To Impart Intensive Training For Identification/Authentication Of Floral And Faunal Diversity In Different Ecosystems Such As Terrestrial, Aquatic And Marine. The Course Broadly Covers Plant Diversity, Collection And Identification Of Different Plant Groups, Processing And Preservation Of Plant Specimens (Herbarium Technique), Eco-Restoration Of Natural Habitats, In Situ And Ex Situ Conservation, Medicinal Plants & Diversity, Folk Nomenclature/Taxonomy & Medicinal Plants, Field Identification Of Medicinal Plants Species (Vegetative And floral Parts), Traditional Knowledge And Documentation And Conservation Efforts, Science Of Taxonomy (Basic), Importance Of Taxonomy, Taxonomic Collections, Taxonomic Survey And Assessment Of Vertebrates, Basics Of Interpretation Of Biodiversity Data Using Biodiversity Indices, Flora And Fauna In Marine Ecosystem, Sea And Coastal Plants, Coastal And Marine Invertebrates, Wetland Ecosystems And Services, Importance And Classification, Characteristics Of Wetlands, Wetlands Conservation And Management, Etc.

Course Duration: 420 hours

Outcome of the Course: The candidates successfully completing the course would be certified as “Para-taxonomists” and may become employable* in BSI, ZSI, SACON, FRI, ICFRE, WCCB Regional Offices, Biodiversity Management Committees for preparation of PBRs, wildlife sanctuaries, national parks, biosphere reserves, Botanical Gardens, Bird Sanctuaries, Nurseries, wetland sites, etc.

The trained manpower may also become Master Trainers in the field of Para-taxonomy to further skill other youth; they may also be engaged on contractual basis in conducting district surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Pollution Monitoring (Air & Water/Soil Pollution)

The course on pollution monitoring aims to provide a comprehensive understanding of all aspects of air & water pollution/soil pollution, its management and control and to impart basic skill to the participants regarding the air and water pollution monitoring and handling basic equipments in the pursuit. The course describes the underpinning basic science of the atmosphere, both its physics and its chemistry, needed to understand air pollution and its dispersal. It explains the causes and the effects/impacts of air pollution. The course also covers structure of hydrosphere, water chemistry sources of surface/ ground/lake/river/coastal & marine water pollution, monitoring techniques& analysis of water pollutants, water quality management, impact of water pollution on health, etc.

The course on soil pollution focuses on types of soil pollution and its mitigation, sources of soil pollutants (biological, agricultural, radioactive, urban and industrial) and their toxicity, soil sampling and procedures, Soil quality & its relation to human health, soil quality assessment, etc.

Course Duration:

Air & Water Pollution Monitoring: 260 hours

Soil Pollution: 200 hours

Outcome of the Course: The candidates successfully completing the course would be certified as “Pollution Monitors” and become employable* in Central Pollution Control Board (CPCB), State Pollution Control Boards (SPCBs), Municipal Corporations, EIA and Eco-Auditing tasks and projects and surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on ETP/STP/CETP Operation and Maintenance

The course mainly focuses on imparting knowledge of operation, maintenance and monitoring of Effluent Treatment Plant (ETP)/Common ETPs/Sewage Treatment Plant (STP), various treatment process (preliminary, primary, secondary and tertiary treatment), environment standards, treatment plant’s equipments, occupational health & safety management, technical know-how on ETP/CETP/STP technologies, sludge management, etc.

Course Duration: 300 hours

Outcome of the Course: The candidates successfully completing the course would be certified as “ETP Operators” and become employable* in ETP/STP/CETP Plants in Industries, Municipal Corporations, SPCBs, State Development Authorities, etc.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

COURSES OFFERED

Certificate Course on Waste Management (Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction & Demolition Waste)

The course aims to provide a comprehensive understanding and impart basic skills to the participants on the characteristics of waste, waste segregation and collection, storage and disposal, waste processing techniques and integrated waste management, gravity and importance of the waste management sector, knowledge and first-hand experience in collection, segregation, waste disposal and integrated waste management. The course would broadly cover handling and safe management of different types of wastes viz. Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction & Demolition Waste.

Course Duration: 300 hours

Outcome of the Course: The trained manpower would become employable* in different Urban Local Bodies, Municipal Corporations/Councils, Private Companies who deals in waste management, etc.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course in Valuation of Ecosystem Services and Green GDP

Forest ecosystems are critical habitats for diverse biological diversity and perform array of ecological services that provide food, water, shelter, aesthetic beauty, etc. Valuation of the services and goods provided by the forest ecosystem can help in the micro level policy design for the conservation and sustainable management of ecosystems. Main objective is to value the ecosystems goods and services. This involves assessment of total economic value (TEV) of the ecosystem considering provisioning, regulating, supporting and information services provided by the ecosystem. The course aims to provide a comprehensive understanding of ecosystems, basic characteristics of ecosystems, quantification of goods and services, valuation of goods and services, valuation techniques, assessment of Green GDP etc.

Course Duration: 105 hours

Outcome of the Course: The underlying case for the valuation of ecosystem services is that it will contribute towards better decision-making, ensuring that policy appraisals fully take into account the costs and benefits to the natural environment. The trainees can be employed in research and academic institutions and may be engaged in survey under GRIDSS, etc.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

COURSES OFFERED

Certificate Course on Forest Fire Management

The course aims to provide a comprehensive understanding of all aspects of forest fire management and to impart basic skill to the participants regarding the handling of forest fires with techniques/equipment in the pursuit. It explains the causes and the effects/impacts of forest fires, forest degradation and its impact on ecosystem, forest fire safety tips, forest fire monitoring, application of remote sensing and GIS in forest fire, etc.

Course Duration: 300 hours

Outcome of the Course: The course would facilitate development of Forest Disaster preparedness, Mitigation & Management, leadership among individuals who will be able to contribute in generating awareness and up-gradation for sustainable development. The candidates successfully completing the course become employable in State/UT Forest Departments, National Parks and Sanctuaries, Nagar Nigam/Nagar Palika and Disaster Management entities.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Water Budgeting & Auditing

Water scarcity has reached alarming proportions with some areas being severely water stressed. There is need to review the existing water sources, water supply systems and current water use efficiencies in various sectors. Sustainable water use demands that we look at treated waste water as a resource and develop strategies for water audit and assessment of water demands. This course is designed to equip students with such kind of knowledge and skills. The main objectives of the course are to introduce students to water demand management concepts including techniques to assess water demand for various sectors, use water audit as an efficient water management tool, challenges in implementation of water audit in various sectors, current water usage practices and required interventions.

Course Duration: 200 hours

Outcome of the Course: The candidates successfully completing the course would be certified as “Water Auditors” and become employable* in urban local bodies/Panchayats in rural areas and industries/water treatment plants, research institutions etc.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Sustain and Enhance Technical Knowledge in Solar Energy Systems

Climate change has implications for both human and natural systems and could lead to significant changes in resource use production and economic activity. The global concern for sustainable development and climate change has brought concentration of energy policy makers towards the renewable energy sources since these provide energy, without emissions of greenhouse gases (GHGs) and are also abundant resource available for future. Solar Energy is used today in a number of ways and by various individuals, households, offices, businesses, etc. With the growing use of solar equipments, the technical knowledge for their maintenance becomes necessary. The course meticulously covers solar energy concepts, basic electrical principles and their usage, solar PV modules, practical knowledge of types, sizes and specifications of modules/panels and their handling, functioning of solar power plant (other technologies) and its components, etc.

Course Duration: 240 hours

Outcome of the Course: The training programme aims to bridge the gap between theoretical learning and implementation of knowledge with requisite technical expertise for taking on detailed Solar PV plant designing. The course promotes entrepreneurship and serves as base for livelihood development. The trained youth may also become employable* in various industries involved in manufacturing of the solar equipments and their maintenance.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Plantation Techniques and utilization of Renewable Energy in Arid Zone

The techniques associated with plantation and its management in arid climate is of specific importance particularly for raising nursery of grass, silvi and fruit plants including budding and drafting techniques. The course broadly covers importance of planting techniques in desert; nutrient, pest & disease, rodent management in arid zone plants; value addition to arid zone plants; water harvesting techniques and management; principles of solar thermal technology for value addition to agricultural produces; etc.

Course Duration: 180 hours

Outcome of the Course: Trainees would get the overall idea about plantation techniques and the significance of its applications in arid zone. The trainees would also learn about solar gadgets/ equipments of various types involving its fabrication and wider application. The trainees may become employable* as Plantation Technique Expert in Nurseries, Solar Gadget Fabricator cum Operator and researcher in institutions. The course also promotes entrepreneurship and serves as base for livelihood development.

The trained manpower may also become Master Trainers in the field to further skill other youth; they may also be engaged on contractual basis in conducting district surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Bird Identification and basic ornithology

The course aims to impart skills to identify birds based on key field characteristics for locally available birds. The course broadly covers bird evolution and history, bird classification and diversity, birds' behaviour and their habitats, adaptation in birds, importance of birds in ecosystem or food chain, bird conservation and bird tourism as a livelihood option.

Course Duration: 160 hours

Outcome of the Course: The trained person would have enough knowledge about the birds of surrounding forest, wetland, grassland or respective habitat. The trainees would have general knowledge about avifauna which would make them employable* as Bird guide, Eco-tourist guide, Forest watcher, Future conservationist, Field assistant in biodiversity research organization, Wildlife Sanctuaries, National Parks. The trained person can also be part of Environmental Impact Assessment (EIA) team.

The trained manpower may also become Master Trainers in the field to further skill other youth; they may also be engaged on contractual basis in conducting district surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Bird Migration and Migration Study Techniques

Bird migration is necessary to understand changing trends of birds' arrival in India during migration. The course aims to impart knowledge on different types of migration patterns, linkage of breeding, staging and wintering sites, bird capture techniques, bird handling techniques, bird ringing exercise, bird monitoring protocols, important bird areas and disease surveillance.

Course Duration: 186 hours

Outcome of the Course: The trainee would gain baseline knowledge on the concept of migration, flyways and wetland connectivity. The trained person may become employable* as Bird guide, Future conservationist, Field assistant in biodiversity research organization, wild bird handler, Banding field assistant, assistance for Biodiversity Management Committee, PBR studies. They may also participate in bird monitoring, census or marching programmes; carry out independent bird surveys and collect habitat assessment parameters for wetland management activities.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

COURSES OFFERED

Certificate Course on Laboratory technicians/ Technical Assistants for energy efficiency, star labeling and other electrical testing for environmental criteria

The aim of the course is to impart basic knowledge on the concepts of star labelling criteria and eco friendly practices adopted by industry in NABL accredited, BIS recognised laboratory. The course broadly covers basic Laboratory Equipments, their functions and maintenance, standard operating test procedures and quality procedures, safety standards and laboratory accreditation, laboratory instruments, test system and environmental criteria.

Course Duration: 264 hours

Outcome of the Course: The trainees would get basic knowledge about the instruments and equipments used for conducting safety, performance, convenience and test for ECO criteria. The trained person may become employable* as Technical Assistant in the small and medium industries as well as in university labs and other certified labs.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

COURSES OFFERED

Certificate Course on Laboratory Assistant for Eco-friendly Food Testing Laboratory

The course mainly focuses on imparting knowledge of eco-friendly food testing laboratory practices. It covers areas of food, nutritional aspects and safety standards, eco friendly maintenance of laboratory practice, laboratory accreditation, laboratory safety equipment and their functions, eco friendly laboratory waste management.

Course Duration: 225 hours

Outcome of the Course: The trainees may become employable* as Laboratory Assistant in the food processing units as well as certified lab in the food sectors.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Plant Tissue Culture Techniques and its Applications

The course mainly focuses on imparting knowledge on plant tissue culture techniques and management of tissue culture laboratory. The course covers history of plant tissue culture, application of plant tissue culture, aseptic techniques, maintenance of aseptic conditions, handling of equipment and maintenance (analytical balance, autoclave, laminar air flow, hot air oven) and other basic tools.

Course Duration: 320 hours

Outcome of the Course: The trained manpower may become employable* as tissue culture technicians or technical assistants in horticulture, forest departments, commercial labs, Universities, Herbal Garden, Regional and National Plants Board with the specialized knowledge of Plant Tissue culture techniques and their practical application.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Emission inventory

Emissions are the term used to describe the gases and particles which are put into the air or emitted by various sources. An emission inventory is a listing, by source, of the amounts of pollutants actually or potentially discharged. Pollutants are added to the environment through emissions of various natural as well as anthropogenic sources. In this context, Emission inventories are now regarded as indispensable tools for a wide range of environmental measures such as management of chemicals as well as the prevention of air pollution. The course is designed to impart knowledge on development of emission inventory, methodology of emission inventory development and GIS based statistical Modelling for emissions.

Course Duration: 130 hours

Outcome of the Course: The candidates successfully completing the course may become employable* in Central Pollution Control Board (CPCB), State Pollution Control Boards (SPCBs), Municipal Corporations, EIA related Firms & Labs and Research Institutions/organisations.

The trained manpower may also become Master Trainers in the field to further skill other youth; they may also be engaged on contractual basis in conducting district surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Wildlife Management using Geospatial Techniques

The course aims at imparting knowledge and skills on Remote Sensing, GIS & GPS with their use and applications in the wildlife management field. Specific topics to be covered under the course are Overview of Remote Sensing & GIS techniques, Wildlife Management and its applications using GIS, Processing and Classification of Remotely Sensed Images, Global Navigation Satellite System, GIS Database Creation and GIS Analysis, Output and Project Design.

Course Duration: 264 hours

Outcome of the Course: Trainees would get the overall idea of Wildlife Management and its applications, different types of geospatial queries and models, their properties and importance. They would be able to identify the possible threats to the wildlife and techniques with the help of geospatial analysis. The candidates successfully completing the course would be certified as “Wildlife Managers” and may become employable* in BSI, ZSI, SACON, FRI, ICFRE, FSI, IIFM, IGNFA, WII, Central Zoo Authority, WCCB Regional Offices, National Biodiversity Authority, NTCA, wildlife sanctuaries, national parks, biosphere reserves, Botanical Gardens, etc.

The trained manpower may also become Master Trainers in the field to further skill other youth; they may also be engaged on contractual basis in conducting district surveys under GRIDSS programme of the ENVIS Scheme.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Cleaner Production Assessment

Cleaner production is a preventive environmental protection initiative, which emphasizes on reduction of generation of wastage; rather than to treat the generated waste. It is intended to minimize waste and emissions and maximize product output. Implementation of Cleaner Production helps to reduce the use of materials and energy, and to avoid waste, waste water generation, and gaseous emissions, and also waste heat and noise and provides better choices for improved processes. The trainees would learn about concepts and principles of cleaner production, cleaner production tools and methodology.

Course Duration: 85 hours

Outcome of the Course: The candidates successfully completing the course may become employable* in Environment Departments and different industrial sectors such as Chemical- Dyes and dye intermediate, Pharmaceuticals, Textile, Pulp & Paper including Recycle paper manufacturing, Hotels, Hospitals, Ceramic & Glass, etc.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Greenbelt Development for Industries

Industry specific and pollutant specific greenbelt techniques are essential for mitigation for industrial pollution. Greenbelt is a strip of vegetation for which species of trees and shrubs are scientifically chosen and planted to serve a designated purpose such as control of wind erosion, of dust, of noise etc. In the context of air pollution attenuation, greenbelts must be developed around a source of air pollutant emission in a manner so as to effectively reduce the pollution caused by that source. Design of effective greenbelts involves consideration and analysis of meteorological, physico-chemical, biological, and horticultural aspects relevant to air pollutant source, and the area where greenbelt has to be established. The course would broadly cover greenbelt and its significance, plants and mitigation of pollution, nursery and propagation of greenbelt plants, and modelling of greenbelt and plantation design.

Course Duration: 200 hours

Outcome of the Course: The candidates successfully completing the course may become employable* in industrial units, NHAI, Railways and Urban Local Bodies.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

COURSES OFFERED

Certificate Course on Paralegal Practices (Forestry Acts and Policy/Environmental Laws)

The course on Forestry Acts and Policy mainly focuses on Forest (Conservation) Clearance and Wildlife Clearance. The course covers broad areas of Forest Conservation Act and basic concepts, important guidelines concerning diversion like linear projects, mining, defence projects, stages of approval and compliances, Wildlife Protection Act and basics concepts, wildlife clearance – need and applicability, projects and user agency, stages of clearance, etc.

The course on Environmental Law is designed to help in understating of environmental concept, form awareness of environmental rights and issues. The course broadly covers importance of law as an instrument to protect environment, environmental protection – constitutional imperatives, policies on environmental protection, legal frame work for environmental protection, environmental protection and remedies, role of various agencies in promoting environmental protection and environmental justice & environmental auditing.

Course Duration:

Forestry Acts and Policy: 80 hours

Environmental Laws: 200 hours

Outcome of the Course: The candidates successfully completing the course may become employable* as Para legal assistants, Wildlife/Forest Clearance assistants, Consultants in Facilitation Centres in State Forest Department/Law firms.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Forest Entomology & Pest Control

The course aims to impart knowledge of forest pathology, forest entomology and management of alien invasive species. The course would broadly address different types of important nursery pathogens and disease etiology, disease management principles, habits & role of insects in forest eco-system, alien invasive species, methods of increasing soil health using bio fertilizers, management of pests and diseases using biological methods.

Course Duration: 216 hours

Outcome of the Course: The trained manpower would be able to identify rich diversity of insects and would help protect natural forests and forest plantations from the threat of insect pests. The candidates successfully completing the course may become employable* in the tourism, cultural and forest departments; research institutions dealing with forestry programmes on conservation, biodiversity and climate change monitoring; and Pest control Agencies.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Quality Planting Material Producer

The course aims to impart knowledge and hands on training about processes of quality planting material producer such as seed collection, seed processing, seed pre-treatments, grading, mother bed preparation, seed sowing, transplanting and maintenance, vegetative propagation, preparation of propagules for vegetative propagation, rooting, hardening and its maintenance.

Course Duration: 240 hours

Outcome of the Course: The trained manpower would have factual knowledge of quality planting material production such as seed collection, its storage and subsequent utilization in nursery, seedling production and its maintenance till out planting. This training programme would bridge the gap of production of tree quality planting material and the trained persons may become an entrepreneur and may also become employable* in the Forest Departments and Nurseries.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Propagation and Management of Bamboo

Bamboo is one of the most important non-wood forest products in India and possesses immense potential for socio-economic development as well as livelihood support of people. The course on Propagation and Management of Bamboo aims to develop technical skill on various aspects of bamboo such as botany & taxonomy, nursery, propagation, plantation, value addition, preservation etc.

Course Duration: 240 hours

Outcome of the Course: The trainees would get factual knowledge of propagation, processing and management of bamboo. The course promotes entrepreneurship and serves as base for livelihood development. The trained youth may also become employable* in Bamboo Industry, Bamboo Boards and Bamboo Research and Training Centre.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Value Addition & Marketing of Non-timber forest products (NTFPs) - (Plant Origin)

(Lantana Furniture and Crafts/ Coconut Shells & Fibre Handicrafts/ Bamboo Crafts/ NTFP Products/Medicinal Plants)

NTFP includes all the non- industrial forest products that are harvested from trees, shrubs and other plants in the forests. Main purpose of the course is to increase livelihood opportunities for unskilled population and build up entrepreneurial skills through systematic training on collection, processing, value addition and post-harvest methods of NTFPs viz. Bamboo; coconut shells & fibres; lantana camara (invasive weed) and other NTFPs.

The course on **Lantana Furniture and Crafts** aims at imparting knowledge of invasive weed Lantana camara and the need to control the invasion of the weed in forest, collection of Lantana, processing of raw material and assembling, Lantana craft and furniture making and marketing knowledge and entrepreneurship Skill development.

The course on **Coconut Shells & Fibre Handicrafts** covers utilization of the freely and locally available materials such as coconut leaves, coconut fibre and coconut fibre for handicraft production and their marketing. This is available only for residents of Lakshadweep Islands.

The course on **Bamboo Crafts** broadly covers aspects such as species and products range of bamboo, operation of processing machine, conversion of bamboo, product making & product design, Bamboo boards preparation/Mud reinforced wall preparation/Roof design/Furniture making.

The course on **NTFP Products/Medicinal Plants** aims to impart knowledge of various post harvest methods of NTFPs (including medicinal plants) viz. preservation, processing, drying and storage methods of important NTFPs, value addition of fruits/other NTFP available, equipments usage in NTFP processing and product making & product design.

Course Duration:

Lantana Furniture and Crafts: 400 hours

Coconut Shells & Fibre Handicrafts: 240 hours

Bamboo Crafts: 400 hours

NTFP Products/Medicinal Plants: 140 hours

Outcome of the Course: Trainees would get a factual knowledge of NTFP identification, utilization, preservation, processing of raw material, operating processing machines, independent assembling of the products, value addition of NTFP for handicrafts and furniture making and their marketing. The course promotes entrepreneurship and serves as base for livelihood development. The trained youth may also become employable* in Handicraft industries, Bamboo Industries, Bamboo Boards and Bamboo Research and Training Centre,

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.

Certificate Course on Value Addition & Marketing of Non-timber forest products (NTFPs) - (Animal Origin)
(Wild Bee Keeping and Processing/Lac & Tassar Cultivation)

NTFPs (Animal origin) like Wild Bee and Lac & tassar constitute an integral part of the population who live in or near the tropical forests and have huge potential for livelihood opportunities.

The course on **Wild Bee Keeping and Processing** aims at imparting knowledge of Wild Beekeeping and its economic importance, Bee handling and management/ Seasonal management, Honey/Wax extraction, Pollination and other natural requirements, Bee colony capturing from wild and introduction into hive, Bee Botany and Preparation of floral calendar and marketing & entrepreneurship aspects.

The course on **Lac & Tassar Cultivation** covers Lac and Tassar product types, Lac cultivation – Coupe system, calendaring of operations and economics, Nursery and host plant management in Tassar cultivation, host and crop management for Lac & Tassar cultivation, processing and product development of Lac and Tassar and Community mobilization & marketing mechanism.

Course Duration:

Wild Bee Keeping and Processing: 200 hours

Lac & Tassar Cultivation: 200 hours

Outcome of the Course: The course promotes entrepreneurship and serves as base for livelihood development. The trained youth may also become employable* in Horticultural industries, Honey Industries, National Bee Boards, Bee Research and Lac & Tassar processing industries and Training Institutes.

Note: * - Terms and conditions of employment will be decided by the Institute/Office concerned.