

*Workshop & Training Programme
conducted by
Regional Centre, NAEB
Jadavpur University, Kolkata-700032
in Bihar, Jharkhand, Sikkim and
West Bengal during 2013-14*



Implemented by:



**REGIONAL CENTRE
NATIONAL AFFORESTATION & ECO-DEVELOPMENT BOARD
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)
JADAVPUR UNIVERSITY, KOLKATA – 700 032**

Content

Approved Work Programme for the year 2013-14
Jadavpur University, Kolkata-700032

Sl. No.	Item of Work	Date(s)	Venue(s)	Page No.
A.	Workshop			
i.	Workshop on 'Capacity enhancement of JFMC members for development of sustainable entrepreneurship in difficult areas of West Bengal'.	26/09/2013	Niharika, Ajodhya Hill, Purulia, West Bengal	1
		09/10/2013	Hemnagar, Sundarbans, 24 Prgs (s), West Bengal	
ii.	Two days workshop on the role of forest department to benefit SME / SMFE in the paradigm of changing international regulations and environmental benchmarking in Jharkhand State.	20/12/2013 & 21/12/2013	Benquet Hall, Hotel Yuvraj Palace, Ranchi, Jharkhand – 1st day. & Benquet Hall, Hotel Crystal Residency, Ranchi, Jharkhand - 2 nd day	4
iii.	Workshop on Rural Health and Livelihood security for JFMC / Fringe dwellers of forests in Bihar State.	19/11/2013 & 20/11/2013	Range Office Compound, Nawada, Bihar	10
iv.	Workshop on establishing marketing linkage to develop local enterprise for marketing of NTFP (Sea-buckthorn) products in Sikkim State.	11/06/2014 & 12/06/2014	Conference Hall, Annex Building, Forest Secretariate, Deorali, Gangtok	12
B.	Training Programme			
i.	Refresher training on Rain Water Harvesting in dry undulating terrain in Bihar State.	22/01/2014 & 23/01/2014	Vanvasi KVK, Adhaura, Kaimur, Bihar	15
ii.	Training programme on role and responsibilities of different stakeholders for group based activity like tank based pisciculture, piggery etc. in Jharkhand State.	03.12.2013 & 04.12.2103	Forester cum Forest Guard Training School Hazaribagh	16
iii.	Vocational training programme on Vermi-compost manure production by small groups for future enterprise development in Sikkim State.	20/05/2014 & 21/05/2014	Panchayet Administration Building, Mallidara, South Sikkim, Sikkim	19
iv.	Capacity building of the staff of the RCs in West Bengal State.	23/09/2013 & 24/09/2013	Asia Pasific Workshop on Forest Hydrology, FRI, Dehradun	21

1. WORKSHOP

1.1 Workshop on 'Capacity enhancement of JFMC members for development of sustainable entrepreneurship in difficult areas of West Bengal (A/i).

► Objectives:

- i) To enhance the capacity of JFMC members towards development of sustainable entrepreneurship.
- ii) To acquaint the JFMC members about the entrepreneurship opportunities available in the local areas considering the geographical and socio-economic condition.
- iii) To train the JFMC members about different aspects of entrepreneurship development.

► **Date(s) of the Programme:** 26th September & 9th October 2013

► **Venue:** Programme I : Niharika, Ajodhya Hills, Purulia &
Programme II: Hemnagar, Hingaljanj, Sundarban.

► No. & Composition of Participants:

Programme I : 48 (JFMC members, Forest staffs)

Programme II: 56 (EDC members, FG, BO, NGOs)

► List of Resource Persons:

Programme I : Niharika, Ajodhya Hills, Purulia

Sl. No.	Name	Designation	Address	Contact No.
1.	Joydeb Mahato	Lac Expert	Vill- Putidih, Jhalda, Purulia	9932138348
2.	Aminul Haque	NGO Representative	Krishna Human Initiative, Kolkata	9836529952
3.	Bimal Krishna Majumdar	NGO Representative	Gramin Vikas Trust, Purulia	
5.	Madhuresh Chatterjee	Sr. Research Scientist	RC, NAEB, Jadavpur University	033 2414 6979
6.	Satyananda Das	Do	Do	Do

Programme II: Hemnagar, Hingaljanj, Sundarban

Sl. No.	Name	Designation	Address	Contact No.
1.	Ratan Kumar Das	DDM	NABARD, 24 Pgs (N)	03322267943
2.	Namita Paramanya	Sabhapato	Jgeshganj	-
3.	Madhuresh Chatterjee	Sr. Research Scientist,	RC, NAEB, Jadavpur University	033 2414 6979

4.	Satyananda Das	Do	Do	Do
5.	Sanjay Bala	Do	Do	Do

► **Description:**

The workshop was organized for the JFMC members of Purulia and Sundarban who are running small enterprises or willing to start new enterprises. The programme was organized in two segments considering the geographical and socio-economic condition.

Purulia Chapter

Sri S Das, Sr. Research Scientist welcomed all the participants including JFMC members, Forests staff and other local representatives. The JFMC members who are pursuing small enterprises or willing to start enterprises participants for the training were selected for the workshop. Since, Purulia is a hill area and JFMC members are depend on forest resources. The experts suggested developing small scale enterprises on Lac and some medicinal plants as there is affluent of medicinal herbs and suitable plats like Kusum, Palash, Kul for lac cultivation. The JFMC members interacted with the experts about different problems and prospects of enterprise development in Purulia areas.

Sundarban Chapter:

In sundarban areas the problem and prospects is different as sundarban is mainly island. The participants were mainly EDC members of Sundarban Tiger Reserve and SBR. Jyogopalpur Youth Development Society (JYDC), an NGO who are working in the field of livelihood, health and environment with the EDC members of Sundarban, actively participated in the workshop. Sri Ratan Kumar Das, DDM, NABARD elaborated different schemes prevailing at this moment for livelihood opportunities for rural people. Sri Sanjay Bala of Regional Centre show a success story of Chhattisgarh where JFMC members with the help of State Forest Dept. Various livelihood opportunities were discussed depending on the available natural resources.

► **Outcome / Recommendation:**

- 1.The JFMC members took keen interest in the formation of small enterprise at their area
- 2.Different aspects of entrepreneurship development like technical, managerial, administrative etc. were discussed in detailed by the experts.
- 3.Since entrepreneurship depends on market situation, there is a need for continuous upgradation of the entrepreneurs. Thus, the members express their willingness to conduct this type of programme in future for continuous monitoring and upgradation.

Photographs of the Programme



1.2 Two days workshop on the role of forest department to benefit SME/ SMFE in the paradigm of changing international regulations and environmental benchmarking in Jharkhand State (A/ii).

► Objectives:

1. To sensitize and generate awareness of forest officials and JFMC members on changing regulations and relevance of environmental benchmarking initiatives.

2. To build the capacity of the frontline forest officers and the forest officers on changing regulations and compulsory environmental benchmarking initiatives to be implemented within their working jurisdiction, relevant to forest based products and services.

3. To arrive at consensus on the role of GIM as a strong Environmental Benchmarking Tool in the state of Jharkhand to ensure sustained ecosystem services.

► Date(s) of the Programme: 20th & 21st December 2013

► Venue: Banquet Hall (Panchayat) of Hotel Yuvraj Palace in the inaugural day and the 2nd day was organized at Banquet Hall, Hotel Crystal Residency

► No. & Composition of Participants: Total 48 (PCCF, APCCFs, CCFs, CFs, DFOs, ACFs, RFOs of Jharkhand Forest Department)

► List of Resource Persons:

Sl. No.	Name	Designation	Address	Contact No./Email
1.	Dr. A.K.Malhotra, IFS	PCCF, Department of Forest, Government of Jharkhand	Van Bhawan, Doranda, Ranchi.	ajit_km06@yahoo.com
2.	Shri.P.C. Mishra, IFS	APCCF (FDA), Department of Forest, Government of Jharkhand	Van Bhawan, Doranda, Ranchi.	pcmforest123@gmail.com
3.	Shri. U.R. Biswas, IFS	PCCF & ED (WDB), Department of Forest, Government of Jharkhand	Van Bhawan, Doranda, Ranchi.	usharajbiswas@gmail.com
4.	Shri. A.T. Mishra, IFS	CF, Ranchi Territorial, Department of Forest, Government of Jharkhand	Van Bhawan, Doranda, Ranchi.	9430184231
5	Shri. N.K. Singh, IFS	CF, Bokaro, Department of Forest, Government of Jharkhand	Bokaro	9431140519

6.	Dr.T.R. Manoharan	Forest Stewardship Council, India Representative	New Delhi	9350501113
7.	Prof. Asis Mazumdar	Coordinator	RC: NAEB, JU	033 2414 6979
8.	Mr. Sanjay Bala	Senior Research Scientist	RC: NAEB, JU	9831456155
9.	Ms. Anindita Bhattacharyya	Research Scientist	RC: NAEB, JU	9899939022
10.	Mr. Soumyajit Biswas	Junior Research Scientist	RC: NAEB, JU	9007844777

► **Description:**

Two days' Workshop on "Role of forest department to benefit SME/ SMFE in the paradigm of changing international regulations and environmental benchmarking in Jharkhand state" was organized at the Banquet Hall, Hotel Yuvraj Palace, Ranchi, Jharkhand on 20th & at the Banquet hall of hotel Crystal Residency on 21st December 2013. Forty Eight (48) participants ranging in the ranks of PCCF, APCCFs, CCFs, CFs, DFOs, ACFs, RFOs of the state have participated in the programme. The Programme was graced by the presence of Dr. A.K.Malhotra, IFS, PCCF, Department of Environment & Forests, Jharkhand. Dr. T.R. Manoharan, Forest Stewardship Council, Representative India, New Delhi and have been one of the resource person and have deliberated on the Indian scenario of forest certification and its role as one of the effective environmental benchmarking tool in Indian forestry sector.

The programme started with lighting of lamps by the PCCF and other dignitaries. The ceremony was followed by the welcome address by Prof. (Dr.) Asis Mazumdar, Coordinator, RONAEB, Jadavpur University, Kolkata. Dr. Mazumdar emphasized on the increasing importance of environmental benchmarking tools in establishing credibility and transparency in forest management systems. Jharkhand being now one of the known exporters of NTFP like silk, lac, tendu leaves and etc, Small and Micro Enterprises depending upon forest resources for raw material need to exercise compliance to ensure sustainable trade practices. Environmental benchmarking tools can play a major role in establishing compliance and thus ensure premium revenue generation. The welcome address was followed by address of Shri P.C. Mishra, IFS, Addl. PCCF, FDA, Govt. of Jharkhand. Shri P.C. Mishra explained the need of such awareness raising training programme for the department, where new concepts are introduced and officers can take back the knowledge to field to ensure its replication in field. Shri U.R. Biswas, IFS, PCCF & ED, WDB, Govt. of Jharkhand, addressed the officers on how environmental benchmarking tools are becoming important to improve efficiency and establishing transparency in the field of forest products trade. He also emphasised on to take pro active steps quoting examples of other states like Chatisgarh. Following Shri.U.R.Biswas, Dr. A.K. Malhotra, IFS, PCCF, Govt. of Jharkhand being the chief guest delivered the inaugural address. Shri. Malhotra spoke to the officers and presented a different point of view. He said that sustainable livelihood to forest dwellers,

and forest conservation are the main motive of State forest Department and indulgence in other issues is divergence. However he emphasized on learning new advancements in the sector being important and before implementing or taking any action, a thorough scoping study should be carried out. However Forest being government sector, the effects of environmental benchmarking initiatives are minimum. The department should act carefully before adopting any new concepts. Shri Sanjay Bala, Senior Research Scientist, Regional Centre, NAEB, JU, Kolkata, concluded the inaugural session by offering the vote of thanks.

The technical presentation started after a small tea break where Prof. Asis Mazumdar deliberated on “Role of Environmental Benchmarking Initiatives to Comply with International Laws in Forestry Sector in India”. Other than introducing international laws in forestry, he spoke about how benchmarking tools can help in improving the quality and goodwill of the forest products that are traded internationally for revenue generation either by the department or by the small and micro enterprises as their livelihood options. In the last section Prof. Mazumdar spoke about the Green India Mission and the role it can play as a environmental benchmarking tool for establishing linkages to international forestry projects.

Shri A.T. Mishra, IFS, CF, Ranchi Territorial took over the session next to Prof. Asis Mazumdar. He spoke on his experience of building Small and Micro Forest Enterprise (SMFE) and NTFP Marketing in relevance to Jharkhand Forest Sector. He also shared that environmental benchmarking tools can prove to be boon to these SMFE who are marketing green products to international market – It will help in branding of the product by the process of compliance.

The above session was followed by lunch break followed by the presentation of Dr. T.R. Manoharan, spoke over on several concepts of forest certification as an effective benchmarking tools – Principals, Criteria and Indicators, U.S Lacey act and FLEGT in relation to trafficking of Timber - Case study, Process of Forest Management Unit (FMU) Certification and Chain of Custody (CoC) certification was elaborated.

Later Shri. N.K. Singh presented his work of drafting the working plan of Dhanbad Forest Division and explains how working plan can play the role of environmental benchmarking tool. Working plan being a detailed document, written following all the scientific methods and further approved by Government of India, serves as both baseline document and monitoring instrument on the advancement of work in respect to the target mentioned. Thus it can be used as environmental benchmarking tool for establishing transparency and ensure sustainability in Indian forestry sector.

The day's technical session were closed after a case study presented by Ms. Anindita Bhattacharyya on Forest Certification- As Environmental Benchmarking Tool –The Gibson Case which clearly indicates the relevance of adopting forest certification schemes can help

to remove international trade barriers. The sessions were mostly interactive more than lecture sessions. Question answer and discussion were held after every presentation.

The second day of the training programme started by the presentation of Mr. Sanjay Bala on of Forest Certification as Environmental Benchmarking Tool –Potka SMFE Case. He spoke about the women SMFE of Potka block in Jharkhand who have registered themselves under MSME with a turnover of 60 Lakhs in the year 2012. The Enterprises started with a total turnover of 6 lakhs only. They are already selling their products in international market and facing trade barriers.

Following the above presentation a brain Storming session was conducted where discussion was carried out to make GIM a strong environmental benchmarking tool in the state of Jharkhand to ensure sustained ecosystem services. The officers were first introduced to the basics of Green India Mission, its objectives, vision and mission. Further discussions were carried out on how to work out the perspective plan. The major focus area was process of collecting baseline data, indicators and monitoring and evaluation process of the indicators to be adopted.

The major discussion topics were

1. Department of forest, Government of Jharkhand has already identified 5 landscapes to be covered under GIM in the first phase.
2. A first hand baseline information of the landscape has already been collected.
3. However data of ecosystem services and carbon sink is missing.
4. Explanation was also sought on the concept of L1, L2 and L3 and criteria and indicators of selecting JFMCs for implementation
5. Difference between GIM and other schemes of GOI including state schemes were also discussed
5. Majority of the discussion revolved round the benefit sharing mechanism. Issues were raised on transfer of economic benefit. Presently there has been a lot of felling of trees or diversion of forest land to non forest uses. More than 1 crore of rupees, revenue generated from selling of Tendu leaves is lying with DFO Chatra (S). But the benefit sharing mechanism with JFMCs is yet to be decided. According to the JFMC resolution the fund acquired in such process, most of the benefit should be shared with the JFMC members. But in most of the case the resolution has not yet been realized leading to conflict situation in between JFMC members and the forest officials. The issue was addressed by Shri. P.C. Mishra and he instructed to report such cases immediately to his office for solution. He informed that a separate permission should be taken from the PCCF office and sent to pay and account section for the transfer of fund to JFMC members.

6. Discussion also revolved round how benefits for intangible benefits to be recognized in GIM, Issues like conflict with Forest Right Act and GIM were also looked upon.

7. Learning's from other state- The Chhattisgarh state has undertaken lots of initiatives for forest based product improvement, processing & value addition and marketing by sourcing fund from international organization. Process of certification- quality standard for bio-fertilizer products has been already started by setting up of organization by the department.

At the end of the day after the brainstorming session including, discussion and summing up was conducted. Participants were given two questions to respond on individually.

► **The outcomes are**

1. 70% of the officers replied that Jharkhand state should not undergo any forest certification process right now but instead tools like Working plan and GIM should be strengthened so that it can work as strong environmental benchmarking tool.
2. Tassar, Lac, Honey, Kendu leaves were listed as major NTFPs
3. Sal and Mango Tree were listed as two potential species to study scope of forest certification.

► **Recommendations**

To conduct a research study on the feasibility of forest certification of timber (Sal and Mango) and NTFP (Tassar, Lac, Honey) in the Jharkhand state for International market.

A study tour (exposure visit) to Chatisgarh should be organized for the forest officials (DFOs) to take experience and replicate the same in their respective division by assessing availability of raw material in nearby forest areas.

Photographs of the Programme





1.3 Workshop on Rural Health and Livelihood security for JMC / Fringe dwellers of forests in Bihar State (A/iii).

► **Objectives:**

- (i) To organized 'Health Check up Camp' for JMC members/fringe dwellers for physical fitness.
- (ii) To aware and built hygienic health habits among the fringe dwellers of forest / JMC members for their lives.
- (iii) To motivate the JMC members for successful establishment and management of SFME for livelihood security.
- (iv) To motivate and implement livelihood income generation scheme among JMC members through locally available Natural Resources by forming SHG

► **Date(s) of the Programme:** 19th & 20th November, 2013

► **Venue:** Range Office Compound, Rajauli, Nawada, Bihar.

► **No. & Composition of Participants:** Total 69 (CF, DFO, ROs, NGO, Medical Officer, Local Panchyat member and JFMC member)

► **List of Resource Persons:**

Sl. No.	Name	Designation	Address	Contact No.
1.	Shri R.S.Kumar,IFS	CF	Gaya Circle	9431815068
2.	Shri Surendra Singh,IFS	DFO	Nawada Forest Division	9431815070
3.	Shri M. Chatterjee	Sr. Res Scientist	Regional Centre.NAEB,Kolkata	9433616689
4.	Dr. Dilip Kumar	Medical Officer	Rajauli Sub-Divisional Hospital	8271094156
5.	Shri Binoy Kumar Singh	Mukhia	Rajauli West Gram Panchyat	9431270306
6.	A.B hattacharyya	Research Scientist	Regional Centre.NAEB,Kolkata	9674999834
7.	Anshul Katyayan	Block ProjectManager	'JIBIKA'(a NGO)	7781010126

► **Description:** The two days was inaugurated by Shri RSKumar, IFS, CF, Gaya Circle on the 19th November, 2013 at Range Office Compound, Rajauli, Nawada, Bihar. The participants were VFMPC members of three Ranges namely Rajauli, Nawada and Kawakole of Nawada Forest Division. The DFO of Nawada in his deliberation mentioned about activities in carrying Afforestation works of the FDA successfully.

► **Outcomes/Recommendations:** Presently there is no SHG in formed in different VFMP in Nawada Forest Division and such as the activities are restricted only wage income through Afforestation, SMC works and EPA provided through FDA. Awareness has been initiated this programme and expected that the VFMP units after discussing in their member will initiate activities to formed SHG to take up initially through rearing rearing of Goat, Pig and also Sal plate making on a more organized manner. Sale of Plate of Sal were proposed through cluster of VFMPs so that the purchaser can lift the product from a central place in bulk quality, at the same time provide better price as well scope to been given . This will also save the hazard of the individual to carry their product to a market where individuals bargaining may not be possible.

Photographs of the Programme



1.4 Workshop on establishing marketing linkage to develop local enterprise for marketing of NTFP (Sea-buckthorn) products in Sikkim State (A/iv).

➤ **Objectives:**

- To establish marketing linkages for the products developed at forest fringe villages by the JFMC members.
- Capacity building of the JFMC members for successful establishment of SMFE

➤ **Date(s) of the Programme:** 11th & 12th June 2014

➤ **Venue:** Conference Hall, Forest Secretariat, Deorali, Gangtok

➤ **No. & Composition of Participants:** Total 49 (Spl. PCCF, CCF, CFs, DFOs, ACFs, RFOs & JFMC/EDC Members)

➤ **List of Resource Persons:**

Sl. No.	Name	Designation	Address	Contact No.
1.	Mr. S.B.S. Bhadauria, IFS	Special PCCF & Project Director, Sikkim Biodiversity & Forest Management Project, Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9434023623
2.	Mr. C.S. Rao, IFS,	CCF (Territorial), Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9434013001
3.	Mr. Y. P. Gurung, IFS	CF (Territorial), Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9002958804
4.	Mr. N.W. Tamang, IFS	CF (Wildlife), Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9434153023
5.	Dr. S. Ambalagan, IFS	Addl. Project Director, Sikkim Biodiversity & Forest Management Project, Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9434632384

6.	Mr. T. Gyatso, SFS	Director, NTFP Division (HQ), Forests, Environment & Wildlife Management Department, Government of Sikkim	Forest Secretariat Deorali, Gangtok	9434196226
7.	Mr. Sangay Kazi, SFS	DFO, South (T), Forests, Environment & Wildlife Management Department, Government of Sikkim	Namchi, South Sikkim	9832033824
8.	Mr. D. R. Dewan	Deputy General Manger, SIMFED	Sonam Gyasto Marg, Gangtok	+91 3592-202429/203432
9.	Mr. C.C. Lachungpa	ACF (T), Chungthang	Chungthang, North Sikkim	9475009942
10.	Mr. Niraj Pradhan	RO (T), Head Quater	Forest Secretariat Deorali, Gangtok	-
11.	Mr. Sanjay Bala	Senior Research Scientist	RC:NAEB, Jadavpur University	9831456155
12.	Ms. Anindita Bhattacharyya	Research Scientist	RC:NAEB, Jadavpur University	9899939022
13.	Mr. Soumyajit Biswas	Junior Research Scientist	RC:NAEB, Jadavpur University	9007844777

Description:

The workshop creates a common platform to discuss and establish marketing linkage of different NTFPs especially Sea buckthorn so as to enhance the alternative livelihood generations to enhance the quality of life of the forest fringe dwellers and ultimately assisting the forest conservation. Officials from Forests, Environment & Wildlife Management Department, Government of Sikkim explained importance and potentiality Sea-buckthorn as well as other NTFP in the Sikkim State. They also explained the details of cultivation/development as applicable for product oriented effort and possible potential entrepreneurship options through establishment of marketing linkage of NTFPs. Scientists of Jadavpur University also explained the cases of integrated development and interdepartmental linkage for successful establishment of SMFEs.

Outcomes/ Recommendations

●There is lots of scope for marketing of NTFP particularly Sea buckthorn in the State as well as National and International for enhancement of livelihood options of JFMC/EDC members. It has been concluded that if Govt. do not come to support the marketing linkage of Sea-buckthorn the process could not be taken forward.

●Preparation of local wine by Sea-buckthorn fruit may enhance potential market as well as livelihood income generation of JFMC/EDC members throughout the year. The idea is being explored by NTFP division of Sikkim.

●Further it has been advised that marketing linkage could be established with NTFP Division of West Bengal Forest Department for other NTFPs like Jatamansi (*Nardostachys jatamansi*), Kutki (*Picrorhiza kurroa*), Monjito (*Mentha spicata*), Yastimadhu (*Glycyrrhiza glabra*), Pipli (*Bucklandia populnea*) etc.

Photographs



2. TRAINING PROGRAMME

2.1 Refresher training on Rain Water Harvesting in dry undulating terrain in Bihar State (B/i).

► Objectives:

- To motivate the EDC people on utility of Rain Water Harvesting in dry undulating terrain.
- To increase the confidence and provide knowledge about Rain Water Harvesting technique
- To guide them by demonstrating different models of Rain Water Harvesting technique.
- To help them get financial support from Forest Dept. and NABARD.

► **Date(s) of the Programme:** 22nd & 23rd January, 2014.

► **Venue:** Vanvasi Krishi Vigyan Kendra, Adhaura, Kaimur, Bihar.

► **No. & Composition of Participants:** 50 (DFO, Programme Coordinator, Programme Assistant, Sr. Res. Scientist, Sr. Res. Scholar, Range Officer, EDC members etc.)

► List of Resource Persons:

Sl. no.	Name	Designation	Address	Contact No.
1.	Shri Kundan Kumar, IFS	DFO	Kaimur Division	09431815038
2.	Dr. Sadananda Rai,	Programme Coordinator	Vanvasi KVK, Adhaura, Kaimur, Bihar	09430567245
3.	Dr. P.K Roy	Associate Professor	School of Water Resources Engineering (SWRE) Jadavpur University	9433106266
4.	Mr. M. Chatterjee	Sr. Research Scientist	RC, NAEB, Jadavpur University, Kolkata	09433616689
5.	Dr A. K.Sharma	Programme Assistant	Vanvasi KVK, Adhaura, Kaimur, Bihar	08986109790
6.	Shri A.K. Das,	Range Officer	Adhaura Range, Kaimur Forest Division,	09431815042

► Description:

Two days programme was taken up on the 22nd and 23rd January, 2014 in Vanvasi KVK of Adhaura, Kaimur, Bihar. The participants were EDC members of different Ranges of Kaimur Forest Division took part in day long programme. The participants were local and such were day Scholars except few from different distance villages. Experts on Rain Water Harvesting and Watershed Management took part in the programme.

► **Outcome:**

The EDC members realized the importance of the programme and explicitly desired to taken up programme with support from Forest Department.

Photographs of Training Programme



2.2 Training programme on role and responsibilities of different stakeholders for group based activity like tank based pisciculture, piggyery etc. in Jharkhand State (B/ii).

► **Objectives:** Capacity building of participants for alternative livelihood activity.

► **Date(s) of the Programme:** 3rd -4th December, 2013

► **Venue:** Forester-cum-Forest Guard Training School, Hazaribag, Jharkhand

► **No. & Composition of Participants:** Total 82 (Addl. POCF, CF, DFOs, ACFs, RFOs, FRs, FGs, JFMC members)

► **List of Resource Persons:**

Sl. No.	Name	Designation	Address	Contact No.
1.	Shri L.N. Damor, IFS	Addl. PCCF & Director Extension Forestry, North Chhota Nagpur & Palamau	Hazaribag Jharkhand	9431107346
2.	Shri Mahendra Prasad, IFS	GM, Jharkhand State Forest Development Cooperation	Hazaribag Jharkhand	9431142799
3.	Shri N.K.Singh, IFS	CF, Bokaro Circle	Bokaro, Jharkhand	9431140519
4.	Shri A.K.Singh, IFS	DFO, Hazaribag (E)	Hazaribag Jharkhand	9431142799
5.	Shri B. B. Nayek	DDM, NABARD	Hazaribag Jharkhand	9471178884
6.	Dr. H.V. Shaw	APO, District Animal Husbandary Officer	Hazaribag Jharkhand	8873537820
7.	Shri M. Roy Chowdhury	Ex. Dist. Fishery Officer, W.B.	Kolkata	9831809678
8.	Shri P.K.Agarwal, SFS	ACF, Hazaribag (E)	Hazaribag Jharkhand	9431142848
9.	Shri M. Chatterjee	Sr. Research Scientist	RC:NAEB, JU	033-24146979
10.	Shri S. Das	Sr. Research Scientist	RC:NAEB, JU	033-24146979
11.	Shri S. Bala	Sr. Research Scientist	RC:NAEB, JU	033-24146979
12.	Shri S. Biswas	Jr. Research Scientist	RC:NAEB, JU	033-24146979

► **Description:**

The training programme organized to enhance the alternative livelihood through different group based activity like pisciculture, piggery etc. and the quality of life of the forest fringe dwellers and ultimately assisting the forest conservation. The Officers from relevant department explained the details of pisciculture/piggery as applicable for product oriented effort. They also described the govt. schemes which may help the initial start of the intervention. Officials from NABARD described the potential entrepreneurship options along with the details of schemes and training they offer for successful establishment of SHGs. The participants also became aware regarding the sources of funds/loans and possible insurance covers from the resource persons. The programme was a complete package of technical knowledge-how to deal with practical problems, sources and other information, modern techniques of Pisciculture, Piggery etc. Scientists from the Centre also explained the cases of integrated development and interdepartmental linkage for successful establishment of SMFEs.

► **Outcomes/Recommendations:**

There is lots of scope for linkage establishment with other departmental work/schemes for enhancement of livelihood options of the rural poor by Pisciculture, Piggery or other group based activity entrepreneurship. The participants got all relevant information and they showed great interest for successful ventures for entrepreneurship development.

Photographs of the Programme



2.3 Vocational training programme on Vermi-compost manure production by small groups for future enterprise development in Sikkim State (B/iii).

► **Objectives:**

Basic objective is to make aware JFMC members about the utility of Vermi compost for improvement of Soil as well also production of organic corp.

► **Date(s) of the Programme:** 20th & 21st May, 2014

► **Venue:** Conference Hall, Village Administrative Centre, Mellidara, South Sikkim, Sikkim

► **No. & Composition of Participants:** Total 67(DFO, ACF, FGs, JFMC members)

► **List of Resource Persons:**

Sl. No.	Name	Designation	Address	Contact No.
1.	Shri Pravesh Shivpaty	SMS(Plant Protection)	KVK, South Sikkim	8145892730
2.	Shri S Das	Sr. Res. Scientist	Sr. Res. Scientist	9432217706
3.	Shri M . Chatterjee	Sr. Res. Scientist	Sr. Res. Scientist	9433616689
4.	Shri S . Bala	Sr. Res. Scientist	Sr. Res. Scientist	9831456155
5.	Shri M. Roy Choudhary	Dist. Fishery Officer(Retd.)	Kolkata	9831809678
6.	Shri Tsherin Dorjee Tamang	Farm Manager	KVK, South Sikkim	9609877310

► **Description:**

Two days training programme on preparation of Vermi compost for the JFMC members of South Sikkim Territorial Forest Division. Altogether 67 participants including JFMC members from the Ranges-Namthang, Melli, Namchi and Rabangla of South Sikkim attended the programme. The participants were apprised about utility of Vermi compost and also about the different method of preparing Vermi compost. They were also noticed to form small groups to take up preparation of Vermi compost for use in their farm land also for sale to interested person taking up in their farm land.

► **Outcomes/Recommendations:**

- I) Small GROUPS to be formed to take up Vermi compost production.
- ii) KVK need be involved to take up demonstration programme.
- II) Starting to be involved for marketing of the compost locally.
- iv) Financial support should be provided through EPA under NAP.

Photographs of the Programme



2.4 Capacity building of the staff of the RCs in West Bengal State (B/iv).

▶ **Objectives:** To Build the capacity of the staff by attending seminar and conference on relevant topic.

▶ **Date(s) of the Programme:** 23rd to 25th Septemeber 2013

▶ **Venue:** Forest Research Institute, Dehradun.

▶ **No. & Composition of Participants:** Total 3 Staff

▶ **List of Persons:** Dr.Pankaj Kumar Roy, Associate Professor, SWRE, JU, 033-24146979; Shri S . Bala, Sr. Research Scientist, RC NAEB JU, 9831456155; Anindita Bhattacharyya, Research Scientist, RC NAEB JU, 9674999834.

▶ **Description:**

The participants presented three papers in the Asia Pacific Workshop on Forest Hydrology held at ICFRE, Dehradun.

▶ **Outcomes/Recommendations:** The participants took keen interest in the proceedings of the workshop, made detailed presentation on their research findings linked to the annual work programme conducted by RC NAEB, JU.

Photographs of the Programme



Inaugural Session



Receiving Memento after Presentation –Ms. Anindita Bhattacharyya



Receiving Memento after Presentation –Mr. Sanjay Bala



In-front of the Auditorium, FRI Dehradun



Inaugural Session- Lighting of lamps by the dignitaries



Inaugural Session- Memento to the Chief Guest