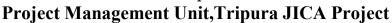
## **SCATFORM Manual and Guideline Series 4**

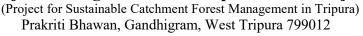






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Dated, Agartala \_\_\_\_\_ March 2020

#### PREFACE

Project for Sustainable Catchment Forest Management in Tripura (SCATFORM) launched in 2019 with Japanese assistance made available through Govt. of India aims at improving the quality of forests in the targeted river catchment of Tripura by sustainable forest management, soil & moisture conservation and livelihood development thereby contributing to development of forest ecosystem service and livelihood improvement of forest dependent communities in the state. The project will mainly implement through 450 JFMCs and EDCs at the village level. Each JFMC/EDC implementing the project will have a microplan fort its project area, which will be a holistic document that will act as a reference for implementation of all activities undertaken in the project area in JFM mode.

Tripura has an wealth of experience in implementing JFM as a means for sustainable forest management with participation of local community. Microplaning has served as an effective tool for planning and implementation of activities in JFM mode. Drawing from the past experience and keeping in mind the SCATFORM requirements as agreed in the MoD. Expert in PMC have formulated a Handbook for microplanning. Best practices established elsewhere have also been incorporated in preparing the document.

This Handbook has been divided into two parts. Part I explains the basics of Microplanning giving details of PRA tools to be used while Part II elaborates different tables to be filled up during the micro planning process.

The elaborate framework, methodology and roles and responsibility indicates in the Handbook will be useful for field functionaries in planning the activities in the field keeping mind the sustainability consideration and in consonance with Beat Forest Basic Plan (BFBP) of the Beat rooted scientific prescription given in the working plan of the area.

(Angshuman Dey)

## **List of Abbreviations**

ANR	Assisted Natural Regeneration
AR	Assisted Regeneration
BFBP	Beat Forest Basic Plan
BPL	Below Poverty Line
СО	Community Organiser
DPN	Decentralized Peoples Nursery
DFO	Divisional Forest Officer
DLT	Drainage Line Treatment
DMU	Divisional Forest Management Unit
EDC	Eco Development Committee
EPA	Entry Point Activity
FG	Forest Guard
FGD	Focus Group Discussion
FI	Financial Institution
FF	Field Facilitator
GB	General Body of
	Joint Forest Management Comittee
	Samiti or
	Eco Development Committee
GC	General Caste
Govt	Government of Tripura
GIS	Geographic Information System
GP	Gram Panchayat
НН	Household
IEC	Information Education and
	Communication

M&E	Monitoring and Evaluation
MGNREGS	Mahatma Gandhi National Rural
	Employment Guarantee Scheme
MIS	Management Information System
NRLM	National Rural Livelihood Mission
NRM	Natural Resource Management
NTFP	Non Timber Forest Produce
ОВС	Other Backward Caste
PDS	Public Distribution System
PF	Protected Forest
PMU	Project Management Unit
PRA	Participatory Rural Appraisal
PRIs	Panchayati Raj Institutions
PS	Panchayat Samiti
RMU	Range Management Unit
RF	Reserve Forest
RO	Range Officer
SCATFORM	Project for Sustainable Catchment
	Forest Management
SC	Scheduled Caste
SHG	Self Help Group
SMC	Soil and Moisture Conservation
ST	Scheduled Tribe
WL	Wild Life

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## **Section: I**

# FACILITATOR'S HANDBOOK FOR MICRO PLANNING: PROCESS, METHODS AND TOOLS

#### 1. Introduction

Many people living in the rural areas in Tripura derive their livelihoods from forest and other natural resources. Although Tripura is rich in natural resources, the pressure on these resources is immense, resulting in degradation/erosion of these resources. Many rural people in the State are below poverty line, for which livelihood opportunities need to be created. SCATFORM aims to strengthen catchment protection, biodiversity conservation activities and forest management capacity and simultaneously improve livelihood of the local people who are dependent on forests and are living in forest fringe areas by ensuring active participation from community . Participation of community and other stakeholders will be done through a process called Microplanning.

A village level Micro-Plan is a blueprint of village development plan and forest development plan, which is need based and site specific, commensurate to available resources. As the unit of the plan is small, it is called a micro plan. In contrast, the macro plan covers larger units like district or state.

It is a holistic plan which tries to identify all the developmental issues and management strategies, which are much beyond the agenda of any single project. Thus funding in a micro plan must be proposed by converging available resources in different developmental schemes running at the micro level.

Micro Plan activities are planned at the village level utilizing available village resources for the fulfilment of the requirements of the rural population. It outlines the strategy for meeting the requirements of people after prioritization of needs and defines the target for development. It contains a description of problems being faced by the villagers along with their feasible solutions, assessment of need and capacity of resources in addition to the list of activities to be conducted in the JFMC/EDCarea.

Micro Plans are generally developed through Participatory Rural Appraisal keeping in view the availability of resources in the Scheme under which they are to be implemented. Micro Plans are to be understoodbyboththecommunitiesaswellasbythe front line staff from this perspective. Hence, a Micro- plan aims at keeping a holistic view on availability of resources and the sustainable use of these resources by the communities on which they depend upon. This aspect needs to be understood properly by all stakeholdersincludingtheJFMC/EDCmembers.

Having understood the difference in perceptions of variousstakeholders, it is important to make people feel at ease with the task of Micro plan preparation. People tendtostay away from the process under the notion that it is a very technical task and requires specialized skills. However, as we all plan collectively for various activities even in our day-to-day lives, micro-planning too can be interesting and an effective exercise in planning for the development of a village.

This document will help the Community Organisers, Livelihood Coordinatora ,Field Facilitators and other stakeholders in the project to understand how the Microplan can be prepared with active participation from the community. This Document has two sections ,Part I deals with the process of Microplan preparation and Part II specifies format to be used in Microplan.

### 2. What is microplan?

Realistic and achievable plan made for socio-economic development, development and management of local resources, considering village/hamlet as smallest planning unit is called "Microplan".

## 3. Why microplan?

It is difficult to organize local people/community, assess their needs, plan and implement activities at large unit level such as at the level of state or district. It is convenient and easier to involve community and plan activities at small unit level such as at the level of village. Therefore, microplan becomes one of the essential and effective instruments for better planning and implementation of developmental activities.

## 4. Participatory microplaning

Joint Forest Management program derives its strength from the involvement of people and therefore, its success depends on the degree of people's participation. People participation is central to microplanning. People's involvement is envisaged in holistic understanding and analysis of problems/issues and their potential solutions at community level. If people are involved from concept to commissioning of the plan, they own it. Local people get opportunity to express their views, take decisions for combining sectoral activities in such a way that synergetic effects are achieved. Participatory planning empowers the community to take proactive role in planning and implementation process of the plan. Participatory micro planning provides scope for fundamental shift in approach and process of planning from top-down to bottom-up, from sectoral development to integrated development, from centralized to decentralized planning and so on.

## 5. Objectives of microplan

Some of the objectives of Micro plan for a JFMC/ EDC are:

- Ensure participation of the villagers for the preparation of JFMC/EDC specific comprehensive development plan.
- Assess the dependence of communities on the forest resources.
- Assess the quantity, quality and present utilization of forest resources by the villagers.
- Identify the importance of existing forest resources.
- Identify the challenges encountered by the villagers in utilizing the services of the forest and find solutions therein.
- Prioritize the schemes to be undertaken according to the social, cultural, political and economic situation of the villagers and the availability of natural resources.
- Ensure that the benefits of the project reaches all stakeholders.
- Identify the importance of existing forestresources.
- Identifythechallengesencounteredbythevillagers inutilizingtheservicesoftheforestandfindsolutions therein.
- Prioritize the schemes to be undertaken according to the social, cultural, political and economic situation of the villagers and the availability of natural resources.
- Ensure that the benefits of the project reaches all stakeholders.

## 6. Approaches for microplan

Microplan preparation should focus on following approaches to make it more realistic, adoptive and implementable.

#### Flexibility

Microplan should be flexible in nature and should not be a sacrosanct document at all. it means therewill be scope of improving the plan based onthe implementationlearningandexperience. The flexibility includes interallocation of intervention, rescheduling implementation timeline and any other such activities which are beneficial to both community and effective management of forest resources. Moreover the microplan shall be revisited after four years to make the plan comprehensive and needbased.

#### Inclusiveness

Microplan should include all section of villagers in spite of cast creed and religion. Each individual household in the target area will be included in the planning process following the principles of inclusion. Socio economic vulnerability like caste, women, destitute, disabled etc. will be duly considered during the planning process.

#### **Equity Vs Equality**

A balance between equity and equality is necessary to prepare a good Microplan. Both are important and to be taken under consideration while preparing Microplan. The principle of equity and equality are to be ensured during the planning process. Under equality dimension, holistic and perspective plan is to be prepared for the entire village keeping in mind the overall development of all households of the village. Under equity perspective, specific interventions are to be planned for the poorest of poor households, destitute &physically challenged households, women headed households etc. Most importantly, while formulating the annual plan on different thematic areas, the interventions on equity perspective are to be prioritized.

#### **Participation**

Peoples participation in all the stapes of Microplanning process is an essential. Microplan is a plan which is to be conceived by the community, Prepared by the community and implanted by the community with the help of Govt. The micro plan will be prepared by the FMC/EDC with the helpofLC,COandFMUPersonnel with active participation of FF in the field.Participation ofPrimaryStakeholdersinplanningprocessistobe ensured at all stages of planning processes. Working Group (JFMC Leaders, TFD Staff, LC,CO, FF, GP Representative, and representative from User Groups within JFMC/EDC) will steer the process of micro planning. Furthermore, as envisaged under the project, a special initiative from beginning of the planning process to capture concerns and issues related to Women will be ensured. While preparing the Micro Plan coordination with the Line Departments are to be ensured to explore the possibilities of Intersectoral convergence

#### **Gender Mainstreaming**

The principle of gender mainstreaming in both planning and implementation has to be integrated in the processes by involving the women members of the community from beginning of the project implementation. These include focused interventions which suits the need of women particularly in reducing drudgery and increasing their participation in community institutions and governance. The Women Group (Women JFMC members, SHG Leaders, Other Women Members, Women Extension Workers from Health department & Teacher) of the JFMC/EDC will be associated from beginning of the planning process to capture their concerns and issues and this will be reflected as gender action plan of the JFMC/EDC.

## 7. Pre-requisites of microplanning

Before taking up the Micro-planning exercise, the following activities must have been completed:

- In case of JFMC, BFBP Map has been prepared
- Based on BFBP Map PPA has been identified.
- JFMC/EDC Formation process is complete.
- Survey Demarcation of JFMC/EDC has been completed
- Training of LC, CO and FF are completed

## 8. Roles and responsibilities

Roles and responsibilities of important stake holders are well defined in MOD and can be summarised in following tables

Table 1: Responsibility Matrix

Institution	Responsibility	Accountability
JFMC	<ul> <li>To Help in preparing BFBP and identifying PPA</li> <li>To take active part in preparation of Microplan ( Both Community Development plan and Forest Development plan.</li> </ul>	To Community and Project (RMU/SDMU)
	Toformulateannualplan,convergenceplanandgetitapprovedby     DMU	
	Re-visit the micro plan and made necessary changes.	
EDC	TotakeactiveparticipationindevelopingthemicroplanforBio- diversity Management in Protected Areas`	To Community and Project (RMU/SDMU)
Micro planning working group	<ul> <li>To steer the process of preparing Micro Plan and AnnualPlan.</li> <li>Mayrequiretoconsulttherepresentativesoflinedepartmentsfor preparation of convergence plan.</li> </ul>	To JFMC/EDC, RMU.
Livelihood Coordinator	<ul> <li>Shallensuremaximumparticipationofwomeninmicroplanning process.</li> <li>Shall explore livelihood options to be taken up in Micro Planning</li> <li>Shall ensure active participation of SHGs during Microplanning process.</li> <li>Undertake FGD with on different thematic areas specially on</li> </ul>	To JFMC/EDC, RMU.
	livelihood options and facilitate to identify best feasible activities to be integrated in themicro plan.	

	SensitizetheJFMC/EDConmicroplanningprocessesandtotake	RMU & DMU
	active part in designing the micro plan.	
	Facilitatecollectionofsecondaryinformationforpreparationof	
	micro plan.	
	• FacilitatetheJFMC/EDCinpreparingbaselinesurveyofthevillage.	
	ShallberesponsibleforcompilationoffindingsfromdifferentPRA	
	exercise and document them for preparation of micro plan.	
	To facilitate the micro planning process at the ground. Assistto	
	synthesize the data and put up micro plan	
	• Facilitate preparation of Annual Plan at JFMC/EDClevel.	
	• Shallassistthe JFMC/EDC for involvement of line department representati	
	ves at block level in micro planning process in ensuring inter-sectoral	
	convergence.	
Field Facilitator	To ensure community mobilization for MicroPlan	RMU
	To assist conducting FGD in villages	
	Toassist dissemination of information in the field	
	To keep all necessary records .	
RMU	Ensure BFBP are prepared and PPA identified	SDMU / DMU
	• Ensure formation of JFMC/EDC before Microplan starts	
	• Ensure the Working Groups areformed.	
	<ul> <li>Ensure that JFMC/EDC members and other groups are</li> </ul>	
	sensitizedon preparation micro plan, convergence plan & Annual plan.	
	• Facilitate collection of secondary data for preparation of microplan.	
	Ensurenetworkingwiththelinedepartmentfortheirinvolvementin	
	Micro Planning process and to prepare Convergence Plan.	
	Facilitate in finalsing the micro plan and forward to SDMU forits approval.	
	Putupproposalto SDMUforreleaseoffundstoundertakedifferent	

## 9. When will a microplan become sustainable?

Microplan is prepared with villager's participation where their choices and aspirations are given priority. Facilitator, while conducting micro planning using PRA in villages should ensure the followings:

- a) Microplan activities should reflect aspiration of local people and seek their involvement to make it sustainable over the times.
- b) Microplan should be socially acceptable. Microplan activities should not only be accepted by landless, marginal farmers, women, weaker sections but also the richer/well off section of the village.
- c) Plan proposed in Microplan should be economically viable, means it should benefit locals, and the output (economic benefit) must be on higher side compared to input (cost).
- d) Only those activities which can be handled and operated/maintained by local people with locally available technical knowledge should be considered.
- e) Microplan activities should in no way harm local environment and it should comply the prescribed safe guard policy.



Figure :2 Sustainability of Microplan

### 10. Forest management related issues to be taken up during microplan

Forest conservation and its benefit to the villagers is one of the important goals of the micro planning. Therefore, some institutional mechanisms need to be developed while conducting PRA/Focus Group Discussion in the villages. Therefore, Field Facilitator/CO is advised to sensitize villagers on the issues/problems and seek their commitment. Below are the few points which should be covered during micro planning in villages:

- i) Forest protection mechanism penalty/action for breach of the informal protection rules set by the JFMC/EDC.
- ii) The relationship of the JFM/EDC and other villages with the surrounding forest, primary and secondary user groups, formal and informal rights and concessions prevalent in village;
- iii) Mechanism of compensating those who are severely and negatively impacted by Protected Area.
- iv) The dependence of the villagers on forests for various activities such as domestication of NTFP, traditional medicine, aesthetic, environmental, grazing, firewood, timber and green manure. Extent and frequency of forest produce extraction.
- v) Forestry based needs among the village community and short-term and long-term plans for meeting the needs.
- vi) Soil and water conservation measures in the forest area and their maintenance.
- vii) Farm forestry/agro forestry activities in Patta land.
- viii) The involvement of the JFMC/EDC in various activities undertaken, either voluntarily or paid, such as afforestation, preventing forest fires, protecting forests from encroachment, illicit felling, poaching etc.

## 11. Enhancing income to JFMC/EDC members through alternate livelihood options

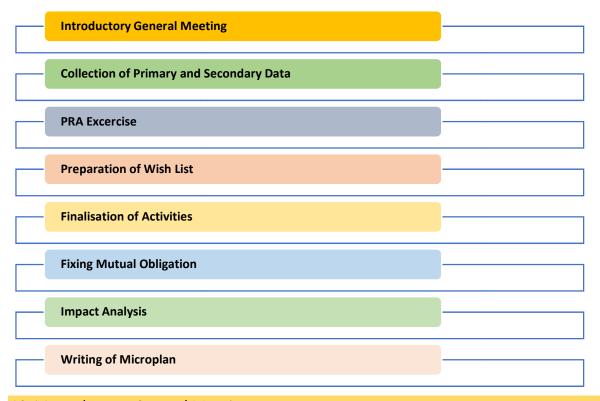
Most of the members of EDCs/JFMCs are poor and marginalized. There are also limited opportunities of employment and income generation for the people residing in remote villages. The micro planning gives an opportunity to LC/CO and Field Facilitator for identifying various forest and non forest based income generation activities for EDC/JFMC members and SHGs. Some of the items are listed below which are to be taken care during PRA.

- i. Promoting sustainable harvesting protocols, value addition and marketing of forest produce, NTFPs, handicrafts, agriculture and Agroforestry based products for income generation.
- ii. Formation of new SHGs, revamping and promotion of existing SHGs and ensuring their support in the functioning of JFMC/EDC.
- iii. Identifying Entry Point Activities (EPA), livelihood options and their prioritizing.
- iv. Ensuring rights of access on certain forest resources to individual beneficiaries, especially poor, women, landless, SHGs involved in forest based IGA, etc.

V.Creation of Village Development Fund (VDF).

## 12. Steps for Conducting Microplan

Microplan can be prepared by following steps as indicated in the attached figure . A detail procedure for each step has been elaborated in this chapter



#### 12.1 Introductory General Meeting:

Introductory General Meeting will be conducted following indicated steps.

- **Step1.** Prior to taking up micro-planning exercise; one General Body meeting will be held to apprise the JFMC/EDC members about the Project goals, objectives and components, and solicit their active participation at all the stages of project implementation including micro planning.
- **Step2**. Appreciate the traditional heritage of the place, strength of the people to raise their self esteem and social status.
- **Step3**. Make aware/sensitise villagers about the importance of natural resource conservation in their life and development.
- **Step4**. Discuss the problems of forest/nature conservation; identify the gaps between Knowledge, Attitude and Practice so that they (villagers) can take appropriate action.
- **Step5**. Fix date, time and place for PRA. In case of a big village, conduct Panchayat Wards wise PRA with the help of EC.
- **Step6.**EC members should be sensitized to think about the activities and interventions that would be suitable for village. In turn they would discuss with their fellow villagers, the common problems that they are facing.

#### 12.2 Collection of Primary and Secondary Data

Data can be collected from secondary as well as primary sources using following steps:

Step 1. Involve Community Organiser, Field Facilitators Forest Guard, Executive Committee members of

EDC/JFMC, literate youth, and teachers in data collection.

Step 2. Community Organisers/ Field Facilitators will take lead in collecting data involving EC members. The Member Secretary of JFMC/EDC will provide all secondary data and maps of forests will be supplied by PMU. The Community Organiser/ Field Facilitator will assist in consulting other line department concerning the village resources; provide detail of other relevant schemes implemented in the village etc. The Member Secretary and the Community Organiser/ Field Facilitator would also collect relevant information on land use, irrigation facility etc. Records or information of implementation of activities by FDA/Other departments/Other schemes in the village be collected and scope for convergence would be examined in consultation with RMU Chief and Local line department officials or higher officials.

**Step 3.** Group discussions also be held to collect data such as data on employment (no. of persons employed in government and private sector, self employedetc), technical skills available in the village (no. of skilled persons having particular skills, training need to enhance skills etc), IGAs (no. of persons engaged in different IGAs, problem faced in running IGA effectively, if any, possibility of taking up new IGAs etc.). These data can be used for microplanning.

The data will include the following elements:

**Site description:** The identified JFMC/EDC forest area, community lands need to be visited and prioritized by the villagers for its suitability for treatment under forest development plan, EPA or IGA. Following prioritization of the sites, each site needs to be described in detail such as area, land use history, current status of the land use, existing and past vegetation, soil quality, geographical locations etc. It is advisable to record the GPS locations for various forestry activities are included in microplan.

**Biophysical survey:** Biophysical resources survey in respect of each identified site in the forest area, village common land, water bodies, etc. shall be taken up. Maps showing the boundary of the site should be drawn before the field visit. With the maps having boundaries of the proposed project site, the micro-plan Working Group shall take transect walk across the project area for detailed mapping of various biophysical resources such as soil, topography, vegetation, species composition, land use etc.

**Socio-economic survey:** A baseline socio-economic profile of the village shall be made. The data collected from the PRA should form the base of the micro planning exercise. If required, for more authenticity and for verification, sample household survey should be conducted to obtain the information required as per the format of the Micro Plan. The sample households should be selected on stratified random sampling basis. The household survey should be kept at minimum. Through the survey, householder's economic activity, physical assets, poverty level, consumption level of forest produce etc., would be mapped.

#### 12.3.1 What is PRA?

Participatory rural appraisal (PRA) is a tool in which the local community (JFMC/EDC members) is involved to extract and collect data and information on various aspects, as well as to understand the actual situationorstatusofthevillage/forestbyusingvarious communication tools while developing the villageand forestdevelopmentplan. This method facilitates the easy flow of information, and sharing experien cesand views by all individuals.

Participatory Rural Appraisal (PRA) is considered one of the popular and effective approaches to gather information in rural areas. This approach contributes in paradigm shift from top-down to bottom-up approach, and from blueprint to the learning process. Outcome of the PRA exercise facilitates the community to understand the resources, skills, abilities etc. available and to take appropriate decisions to manage the resources effectively.

PRA is carried out by conducting group discussions, experience sharing, accounts of main events, general meetings and one-to-one discussion with the villagers in their ownsetting. Information can also be collected through illustrations and maps, which will be prepared by the villagers themselves or prepared with their active participation.

PRA consists of a number of tools and each tool has a specified purpose to be used to gather information. During Preparation of Microplan total 8 different types of tools are to be proposed to use during preparation of microplan which are explained in detail.

#### 12.3.2 Thinks to remembered by Facilitator while conducting PRA

- Organise people at a common place.
- Organise separate meeting and group discussion for the women.
- Divide a group in different sub groups and make a person group leader for each group for conducting different PRA exercises/use specific PRA tools at a time.
- Try to perceive the needs of the villagers during the PRA.
- Try to involve villagers in initiating some voluntary activities for solving immediate problems (for example, initiating forest protection, maintaining common assets).
- Once all PRA tools are finished, ask group leaders to present the experiences/chart prepared/information collected while using specific PRA tools before the villagers.
- Identify likeminded people to form SHGs of men and women and develop some plan of action through voluntary activities e.g., money deposit, adult education etc.).

#### 12.3.4 Key PRA tools for use in Microplan

For preparation of Microplan following PRA tools are recommended to use .A detail of each tool (Why? How? What?) are also explained in this chapter

- Transect Walk
- Focus Group Discussion
- Social Map
- Resource Map
- Wealth Ranking
- Seasonal Calendar
- Venn Diagram
- Historical Time Line and Trend Analysis

A. Tool Name: Transect	Walk
Description	<ul> <li>A transect walk is a tool for describing and showing the location and distribution of resources, features, landscape, main land uses along a given transect. It tells about natural resources, present land use, vegetation, changes in the physical features and cropping systems, and so on in villages</li> </ul>
Objective	To develop rapport with Villagers
	<ul> <li>To get the first hand information about the resources available in and near the village/territory.</li> </ul>
	• To identify the interaction of the inhabitants with the local resourcebase.
	<ul> <li>To identify the existing status, diversity of the resources and conflict around the resources along with the reasons behindthese.</li> </ul>
Key Questions to be	What is the general topography of thevillage?
Asked	What are the types of plants found in different parts of thevillage?
	What are the uses of different parts of the landzones?
	How important are these zones separately for men andwomen?
	Anyconflictaroundinaccessingtheresources?
	<ul> <li>Anyspecificspeciesdecreasing/increasinginanyparticularpatch/geography of thevillage?</li> </ul>
	<ul> <li>What types of dependence are on different zones like for food/ fodder/ fuel woodetc?</li> </ul>

How to do it?	<ul> <li>Gather few people who have clear understanding on the topography as well as resource base of thevillage.</li> </ul>
	<ul> <li>Divide the team into small teams which comprises of at least one member of the PRA team and few members from the community.</li> </ul>
	• Teammaydividethevillageintodifferentzoneslikevalleyzone(village),Foot hill zone, Hill zone for better understanding of the resources. This should be done in consultation with thevillagers.
	<ul> <li>Walkalongapathfromcentreofthevillagetotheridge/outerboundaryand somedistancebeyondthattillthepointsuptowhichthevillagersusuallywalk for their dailyneeds.</li> </ul>
	<ul> <li>While walking ask different questions &amp; cross- questions as mentioned above and take a note of these discussions.</li> </ul>
	<ul> <li>Arrangethefindingsintabularformatsdifferentiatedbyzonesofthevillage.</li> </ul>
Materials Required	<ul> <li>Drawingsheet</li> <li>Notebook</li> <li>Pencil with eraser andsharpener</li> </ul>
	• Pen
Time to complete	2 to 3 hours
Sample Map	Forest Upland crop AF Systems (Baneas)
	Settlement
	Mendalam Paddy field River
	March:

B. Tool Name: Focus Group Discussion	
Description	<ul> <li>discussion on key themes/ subjects with a speciallyselectedgroupof8to15peopletogetanin-depthunderstandingon thetheme/subject;group'sperceptionsofthetheme/subject,issuesassociated with it and possible solutions. For micro planning FGDs need to be organized with: women, farmers, SHGs, wage earners, poorest of poor/ vulnerable households and forestdwellers</li> </ul>
Objective	<ul> <li>To get in-depth idea about resource and problem associated with</li> <li>To get the first hand information about the resources available and its status along with associated problems</li> </ul>
	<ul> <li>To obtain primary information on Specific groups like Women/Farmer stc.</li> <li>To identify the existing status, diversity of the resources and conflict around the resources along with the reasons behindthese.</li> </ul>
Process	<ul> <li>Select PRA tools to beused</li> <li>Get to know the subject of discussion</li> <li>Select FGDparticipants</li> <li>Arrangelogistics</li> <li>Preparediscussionguide</li> <li>Pre-test discussion guide</li> <li>Run FGD</li> <li>Analysedata/results</li> <li>Prepare a report and presentation</li> </ul>
Special point to remember	<ul> <li>Avoid rushing the course of discussion.</li> <li>Avoid allowing some personstodominate over the meeting.</li> <li>Making judgments on the responses given by participants that would give a negative signal.</li> <li>Neverask participants to give evidence in support of their statements nor attempt to prove that the information provided is false.</li> </ul>

Description	Social Map is prepared to identify the spatial distribution of household in the
•	village and also to understand the distribution of other Institutions and
	infrastructure available in the village . It also helps in understanding
	socialandeconomicdifferencesbetweenthe households.
Objective	Tolearnaboutsocialstructure, relative location of households and their
	distribution based on wealth, ethnicity and religion etc.
	Tolearnaboutvariousinstitutionsavailableinthevillage.
Key Questions to be	What are the approximate boundaries of thevillage?
Asked	<ul> <li>Howmanyhouseholdsarefoundinthevillageandwherearetheylocated?</li> </ul>
	<ul> <li>Isthenumberofhouseholdsgrowingorshrinking?</li> </ul>
	What are the social institutions found in thevillage?
	Whatreligiousgroupsarefoundinthevillage?
	• What are the approximate locations of the different religiousgroups?
	Which are the pucca/ kuchhahouseholds?
	Which are the female Headed Households and where are theylocated?
How to do it?	Mark the north direction to maintain the orientation of themap.
	• Ask the participants to draw a map of the village showing the major
	features
	likehills/mountains,majorroadsetc.Thiswillhelpinfixingtheboundaryofthe village.
	<ul> <li>Locate all the households of the village. Keep an eye on the relativelocations</li> </ul>
	andnumberofthehouseholdswithreferencetothekeyfeatures. For example the number of household on one side of the road should be exact as the real situation of the village.
	<ul> <li>Usecommonsymbolsforcommontypesofhouses. For example houses of one religion should have common symbol and similarly for pucca&amp;kuchha house etc.</li> </ul>
	Mark the places of popular spots like temples, mosques, churches, schools,
	Panchayat offices, post offices etc.
	Mark the female headedhouseholds.
	Discuss whether the total number of households has increased or shrunk during
	<ul> <li>recent years, reasons and effects of such changes.</li> </ul>

Materials Required	Chart Paper
	• Sketch Pen
	Note book
	<ul> <li>It can be done by using different colourGulal(ABIR) to make it more attractive and</li> </ul>
	enjoyable
Time Requited	• 1.5 to 2.5 Hrs
Sample Map	SOCIAL MAP OF ADAMPUR
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D. Tool Name: Resourc	е Мар
Description	<ul> <li>Village Resource Map is a tool that helps us to learn about a community and its resource base. The primary concern is not to develop an accurate map but to get useful information about local perceptions of resources. Resource mapping exercise is conducted to find out immovable assets, resources, availability, status, problems and solutions related with resources like natural, human and animal.</li> </ul>
Objective	<ul> <li>To learn the villagers' perception of what natural resources are found in the community/village and how they are being used along with problems associated and opportunities available to improve the same</li> </ul>
Key Questions to be asked	<ul> <li>Which resources areabundant?</li> <li>Which resources arescarce?</li> <li>Doeseveryonehaveequalaccesstoland?</li> <li>Do women have access toland?</li> <li>Dothepoorhaveaccesstoland?</li> <li>Who makes decision on landallocation?</li> <li>Wheredopeoplegotocollectwater?</li> <li>Who collectswater?</li> <li>Where do people go to collectfirewood?</li> <li>Who collectsfirewood?</li> <li>Where do people go grazelivestock?</li> <li>Whatkindofdevelopmentactivitiesdoyoucarryoutasawholecommunity? Where?</li> <li>Whichresourcedoyouhavethemostproblemwith?</li> </ul>
How to do it?	<ul> <li>Find a large open place to work.</li> <li>Start by placing a rock or leaf to represent a central and important landmark.</li> <li>Ask the participants to draw the boundaries of the village.</li> <li>Ask the participants to draw other things on the map that are important Don't interrupt the participants unless they stop drawing.</li> <li>Once they stop, ask whether there is anything else of importance that should be added.</li> <li>When the map is completed, facilitators should ask the participants to describe it. Ask questions about anything that is unclear.</li> <li>Use the key questions to guide a discussion about resources in the village. One or more facilitators should ask the questions, another should take notes or what is said.</li> <li>Be sure to draw a picture of the map on a piece of paper. Be sure that the final map includes direction indicators (North, South, East, and West).</li> </ul>

<ul> <li>Chart Paper</li> <li>Sketch pen</li> <li>Can use coloured powder (Abir) to make it more interactive</li> </ul> Time Required <ul> <li>1.5 to 2 Hours</li> </ul>	
Time Required • 1.5 to 2 Hours	
Time Required • 1.5 to 2 Hours	
Sample Map	Andrew Wood Parker
Resource Map	9 9 7 9
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300 300 300 300 300 0 0 0 0 0 0 0 0 0 0	Forest
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9 999 999 0	₩ Sugarcane  Wheat
	To Ami
\$ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 0000 000
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3/30/2017 TO Naved	Source: PRA

E. Tool Name: Wealth Ranking					
Description	<ul> <li>Wealth ranking is based on the assumption that community members have a good sense of who among them is more or less well off. The main idea is that villager's uses their own knowledge and criteria to do the ranking and outsiders learn to understand the way the villagers interpret the economic status of each family living in the village. It also helps in identifying the poorest of the poor and vulnerable groups in village</li> </ul>				
Objective	<ul> <li>To investigate perceptions of wealth differences and inequalities in a community</li> <li>To identify and understand local indicators and criteria of wealth and well-being.</li> <li>To map the relative position of households in a community</li> </ul>				

Key Questions to be asked	<ul> <li>What are local perceptions of wealth, well-being andinequality?</li> <li>Whatsocio-economicgroupingsarethereinthecommunityandwhobelongs</li> <li>to what group?</li> </ul>
How to do it?	<ul> <li>Begin the discussion with the villagers. Ask the villagers to rank the families in the village according to their wealth in any manner they like. Perhaps it may be easy to begin the exercise by asking villagers to mark the richest family in the village on the village social map.</li> <li>Then ask the villagers to mark the second richest, third richest and the fourth and so on, on the social map. Ask the villagers to explain why those households are categorised as rich by them and record their criteria. Criteria could be for example types of roofs, landholding size, ownership of resources, access to resources, etc.</li> <li>Then in the same manner start from the poorest, which household is the poorest person's house, then little better off and so on.</li> <li>Ask the villagers to prepare a list of households starting with the richest household at the top of the list and the poorest household appearing at the bottom. Once the list is completed, start with well-being grouping.</li> <li>Request the participants to group the households in accordance with their wealth or well-being.</li> </ul>
Materials required	<ul><li>Village Social Map</li><li>Sketch Pen</li><li>Pad and Pen</li></ul>
Time Required	• 2 to 3 Hours

Sl.	Category	Parameters of wealth	Number (
no.	Andrew Said		HH
1	Rich	Land More than 6 Kani, Pucca	05
		House, Tractor, Bike, TV	
2	Middle class	Land (3-5 Kani), Pucca House,	25
		Bike,	
3	Poor	Land (1-2 Kani), Mud	45
		house cycle	
4	Poorest	No Land No Home	15

F. Tool Name: Seasonal Calendar						
Description						
	<ul> <li>A seasonal calendar is a participatory tool to explore seasonal changes (e.g. work, employment, income etc.)</li> </ul>					
Objective	To learn about changes in livelihoods over the year and to show the seasonalit of agricultural and non agricultural work, employment, gender-specific activitie etc.					
Key Questions to be	What are the busiest months of theyear?					
asked	At what time of the year is foodscarce?					
	How does income vary over the year for men andwomen?					
	<ul> <li>How does expenditure vary over the year for men andwomen?</li> </ul>					
	How does rainfall vary over theyear?					
	<ul> <li>How does water availability for human consumption vary over theyear?</li> </ul>					
	<ul> <li>How does livestock forage availability vary over theyear?</li> </ul>					
	How does credit availability vary over theyear?					
	When are most agricultural works carried out bywomen?					
	When are most agricultural works carried out bymen?					
	<ul> <li>Whenismostnon-agriculturalworkscarriedoutbywomen?</li> </ul>					
	When is most non-agricultural works carried out bymen?					
	Whichcouldbethemostappropriateseasonforadditionalactivitiesformen					
	<ul><li>and women? What time constraints do exist and for what reason?</li></ul>					

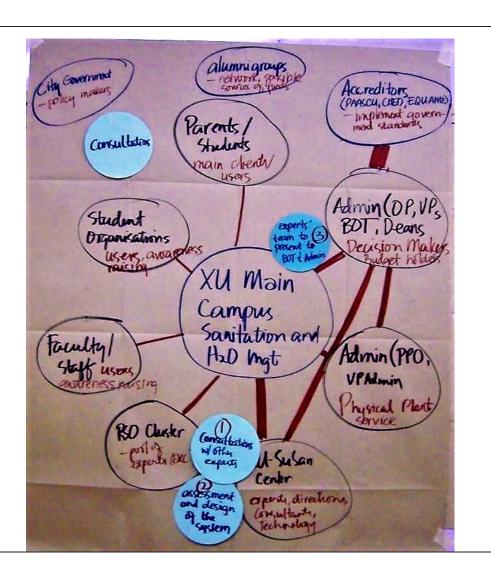
How to do it?	<ul> <li>Find a large open space for the group. The calendar can be drawn on the ground or very big sheets of paper.</li> <li>Ask the participants to draw a matrix, indicating each month along one axis by a symbol.</li> <li>It is usually easiest to start the calendar by asking about different activities. Choose a symbol for each activity.</li> <li>Move to the next topic and ask people during which month the food is usually scarce. Discuss the reasons why it is scarce and make sure that the different kind of food donations that people receive are discussed and that this information is shown in the map.</li> <li>Go on involving villagers like this, topic by topic as suggested below:</li> <li>Villagers first divide a year into 12 local months on the chart paper and discuss on the activities carried out by the men and women throughout the year. The exercise focuses on the following: <ol> <li>Activities carried out by each sub group (women, men and children) separately in all the 12 months of a year.</li> <li>Activities which give employment to men and women in village (agriculture labour/wage labour in other schemes)) and outside village (construction labour, road work, etc.)</li> <li>Months in which Major Non Timber Forest Products) collected from forest for sale.</li> <li>Months in which fuel wood is collected.</li> <li>Who (men or women or both) is engaged in what economic activity in a particular month.</li> <li>Lean periods (months) in a year when there are no opportunities for employment for men and women.</li> <li>Periods (months) when villagers have no work either in agriculture field or outside village.</li> </ol> </li> </ul>
Materials required	<ul><li>Village Social Map</li><li>Sketch Pen</li><li>Pad and Pen</li></ul>
Time Required	1.5 Hours

Sample Map	Items	Jan-Feb	Mar-Apr	May-Jun	Jul-Aug	Sep-Oct	Nov-Dec
	Light meals			-	-1	(4)	
	Begging			-	-	State of the state	
	Migration				-	Name :	- :
	Unemployment	===	=	-			
	Income	-				===	
	Disease	JE.		= = =			-
	Rainfall	-	=	-	-		

G. Tool Name: Venn Di	agram
Description	<ul> <li>The Venn diagram on Institutions shows institutions, organisations, groups and important individuals found in the village, as well as the villagers view of their importance in the community. The Institutional Relationship Diagram also indicates how close the contact and cooperation between those organisations and groups is</li> </ul>
Objective	<ul> <li>Toidentifyexternalandinternalorganisations/groups/importantpersonsactive in the community.</li> <li>To identify who participates in local organisations/institutions by genderand wealth.</li> <li>Tofindouthowthedifferentorganisationsandgroupsrelatetoeachotherin terms of contact, co-operation, flow of information and provision of services.</li> </ul>
Key Questions to be asked	<ul> <li>Which organisations/institutions/groups are working in or with the community?</li> <li>Which institutions/groups do the villagers regard as most important, and why?</li> <li>Which groups are addressing household food security and nutrition issues?</li> <li>Which organisations work together?</li> <li>Are there groups which are meant for women or men only?</li> </ul>

	<ul> <li>Are some particular groups or kind of people excluded from being members of or receiving services from certain institutions?</li> </ul>
How to do it?	<ul> <li>Makesurethatthepoorestandmostdisadvantagedgroupofpeopleare present.</li> <li>Make sure that you have all material that isneeded.</li> <li>Explain to the participants the three objectives of the Venn Diagramon institutions.</li> <li>Ask the participants which organisations/institutions/groups are found inthe village and which other ones even outside the village are working with them.</li> <li>Facilitate to explore all the possible institutions like SHGs , farmers' groupetc.</li> <li>Are their political groups? Who makes important decisions in thevillage?</li> <li>Askoneofthevillagerstowritedownalltheinstitutionsthatarementioned and to give each organisation a symbol which everybody can understand.</li> <li>Asktheparticipantstodrawabigcircleinthecentreofthepaperoronthe ground that represents themselves.</li> <li>Askthemtodiscussforeachorganisationandhowimportantitisforthem.(The mostimportantonesarethendrawnasabigcircleandthelessimportantones as smallercircles).</li> <li>Asktheparticipantstocomparethesizesofthecirclesandtoadjustthemsothat the sizes of the circles represent the importance of the institution, organisation orgroup</li> <li>Everyorganisation/groupshouldbemarkedwiththenameorsymbol.</li> <li>Ask them to discuss in which way they benefit from the differentorganisations.</li> <li>The facilitator and note-taker have to listen very carefully and the note-taker writes down, why the different organisations are considered important or less important.</li> <li>Askthemtoshowthedegreeofcontact/co-operationbetweenthemselvesand those institutions by distance between the circles.</li> <li>Institutionswhichtheydonothavemuchcontactwithshouldbefarawayfrom their own big circle.</li> </ul>
Materials required	<ul><li>Drawingsheet</li><li>Pencils</li><li>Markers</li></ul>
Time Required	• 1.5 to 2 hours





H. Tool Name: Historical Time Line & Trend Analysis					
Description	<ul> <li>This tool helps us in understanding causes of changes in natural resources over a certain period of time. The exercise make villagers realize that they needed to protect and conserve forest for their survival and livelihoods. Actions such as protection of natural forest and increase vegetation outside forest through nursery rising, controlled grazing and plantation and creation of alternative employment opportunities for the men and women are suggested. The information collected through PRA should be verified with the information from secondary sources and interviews.</li> </ul>				
Objective	<ul> <li>To make realize villagers that resource availability is changing (decreasing and increasing) and its impact on their lives.</li> <li>To sensitize villagers to take plan of action/come forward to save or protect degrading natural resources.</li> </ul>				

Key Questions to be asked	<ul> <li>What are the different resources you have in your village?</li> <li>Explain the status of each resource with the time ( say 1990 then 2000, then 2019 )</li> <li>If this continues like this what will be the situation after 20 years?</li> <li>What do you want? should it continue like this? Or we can do something to bring changes?</li> <li>What we can do?</li> </ul>				
How to do it?	<ul> <li>Use chart paper or other materials.</li> <li>Involve villagers in elaborate discussion about the condition of forest and causes of degradation/ improvement, change in crop, livestock and water during last30 to 50 years</li> <li>Ask villagers to draw their own time trend diagrams.</li> <li>Try to obtain data on conditions/availability/causes of decrease and increase of resources/ impact of changes on forest conditions, agriculture productivity, wildlife population and livelihood etc.</li> <li>Plot the interaction of two or more variables on the same sheet.</li> <li>Where numbers are not available, show trends qualitatively.</li> </ul>				
Materials required	<ul> <li>Drawingsheet</li> <li>Pencils</li> <li>Markers</li> </ul>				
Time Required	· 1-2 hours				

Sample Map	<u>*</u>			70		
Sumple Mup	Year	Forest	Agriculture	Water	Livestock	Yield
	1970	***	****	$\supset$	An An An	** ** ** **
		本本本	****	20	20	**         **         **           **         **         **
			****			** ** **
	1980	A A A	****		Brown Brown Brown	<b>** ** **</b>
	1980	本本本	****	7	An An An	**         **         **         **           **         **         **         **
		<b>*</b>	****	20		** ** ** ** **
		<b>A</b>	****	7		** **
			*****			
	1990	<b>本本本</b>	****		原西西	$ \begin{bmatrix} \dot{\mathbf{v}}\dot{\mathbf{v}} \\ \dot{\mathbf{v}}\dot{\mathbf{v}} \end{bmatrix} \begin{bmatrix} \dot{\mathbf{v}}\dot{\mathbf{v}} \\ \dot{\mathbf{v}}\dot{\mathbf{v}} \end{bmatrix} \begin{bmatrix} \dot{\mathbf{v}}\dot{\mathbf{v}} \\ \dot{\mathbf{v}}\dot{\mathbf{v}} \end{bmatrix} $
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	2042				Burt Burt	
	2019	<b>本</b> 本	****		西面	** ** ** **
	2040	2.2	2.2	2.2	2.2	2.2
		? ?	??	??	? ?	? ?
					31	

#### 12.4 Preparation of Wish List

During PRA and group discussion, a wish list should be prepared involving people. If the village is big, then Hamlet wise wish list should be prepared. Following steps are appropriate:

- **Step 1.** Request villagers to tell the names of activities which they want to be implemented in the village.
- Step 2. List all the activities on a chart paper at the same time.

Facilitators should keep in mind that the wish list may contain some activities which may not be possible to implement through Microplan. But he should not omit those activities, that is why it is called *wish list*. A final list of achievable activities will be prepared by the villages in the next stage of planning.

#### 12.5 Finalisation of Activities

Once the microplan activities are filtered the list of activities are presented and discussed in Final General meeting of the villagers. The final microplan activities are agreed in this meeting. The basis of final activities listed should be based on following points

- In consultation with resource map and Social map the constraints and immediate need identified.
- In consultation with Livelihood opportunities , the constrains identified and opportunities listed.
- Based on scope of funds available through SCATFORM.
- > Based on possible scope of convergence with other on going projects.
- Forest development activities will be in line with working plan prescription

#### 12.6 Mutual obligations

Mutual obligations of villagers, forest department, Panchayat and others relating to implementation of the microplan are discussed in the general meeting following the steps given below:

- Step 1. List all the activities in front of all the stakeholders
- **Step 2.** Decide monitoring mechanism, indicators of success and roles and responsibilities of stakeholders against each activity.

#### 12.7 Impact Analysis

Microplan activities will have impact on local ecology, society and economy. Therefore, it is suggested to discuss impact of each activity with villagers so that they are aware of the advantages and benefits of microplan activities. Following steps can be followed:

**Step 1.** List all the activities on a chart paper and display in front of villagers.

**Step 2.** Ask them to tell impact of these activities on local ecological conditions (like on forest, water, air, soil etc), society (like social status, social recognition) and on economy (like improvement in household economy, living condition)

#### 12.8 Writing of Microplan

Microplan should preferably be written in local language and cover description of village, forest protected by people and other resources, village and forest development plan ,mutual obligations of people and forest department in implementing microplan activities and impacts of the activities on society, economy and ecology and other aspects relevant to particular EDC/JFMC.

## 13. Timeline for preparation of Microplan

Microplan preparation will combine number of activities in sequence. Microplan should be prepared within 10 days and completed within 18 days. A time schedule is proposed for completing the assignment

Sl. No.	Activity	Time Period
1	Orientation of Community Organisers/EC members/ Field	2 days
	Facilitators/Forest staff involved in microplanning (including field	
	orientation for hands on training )	
2	Meeting with RMU Chief/RO/BO	1 day
3	Conducting microplanning (PRA) including interaction with line	5 days
	departments, Panchayat, and other relevant agencies	
4	Development of draft microplan	2 days
4	Circulating draft microplan and receiving comments from	4 days
	RMU/DMU and others	
5	Finalisation/Revision of microplan	2 days
6	Approval of microplan	2 days

## 14. Approval Of Microplan

- The draft micro plan approved by the EC and signed by the President shall be submitted by Member Secretary to the RMU who shall examine the microplan from all angles including technical, social, financial and legal angle (Community Organiser of SCATFORM project will coordinate with RMU chiefand also with DMU to get the Microplan approved. The RMU/DMU may refer back to the EC any suggested modifications for consideration and necessary amendment of the draft micro plan. The EC will discuss the suggested changes, incorporate the same in the draft micro plan and resubmit the same to RMU.
- The District level Committee at DMU level would see that microplan is in harmony with Forest Working Plan.
- Microplan shall be forwarded to CF (T) or CF (WL) by DFO (T) or DFO (WL) as the case may be Committee for their information and a copy of approved Microplan to be send to CEO &PD SCATFORM for keeping as record.
- 5 copies of the approved microplan will be made, one each for the JFMC/EDC, the JFMC/EDC Member Secretary, Range Office cum RMU, One for DMU and one for PMU SCATFORM.

## 15. Validity of Microplan

A microplanis valid for a 5 years period. Proposed activities in Microplan should not extend 5 years period. While planning and choosing activities under microplan, emphasis should be given on selecting activities which may extend from short period to long period. Say for example, processing and value addition of NTFP based item for income generation may take 1 to 2 years whereas restoration of community hall under EPA may take 1 month.

## 16. Revision/revisiting Microplan

Microplan is a dynamic document which may be changed as per requirement. Therefore, each microplan should be revised on 3rd year of project for corrections and modifications. Moreover, progress of each year should also be recorded in the microplan, which would facilitate monitoring of the project activities under other schemes through convergence.