

**On exploring
Medicinal & Aromatic Crop
focus on value addition – an overview**

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Trigger Point



to activate the system

to assure



Readily Available Market



Raw Material
Production
through farming



Entrepreneurship
development

Market Avenue Exploration

- Systemic Market
- Common People involvement

Skill Development

- ◆ Post Harvest Management
- ◆ Packaging Management
- ◆ Value Addition

Research

- ◆ Production Technology
- ◆ Post harvest technology
- ◆ Drug testing
- ◆ Drug research (New Invention)

Biodiversity Conservation

(Exploitation in a sustainable way)

- Forest Official Training
- Imposing Law / Act
- Revenue Collection (from NTFP)

Mechanism (Phase – I)

1. Exploration of commodity having market

Buyer - Price - Processing System

Collection of Raw-data

2. Refinement

B:C ratio suitable for farming

Processing technology

3. Imposing Law

protection of extraction from wild

Implementation system

4. Promotion of Agro/ Farming system

5. Entrepreneurship Promotion

Mechanism (Phase – II)

1. Organic Production/Farming
2. Certification
3. QPM
4. DTL

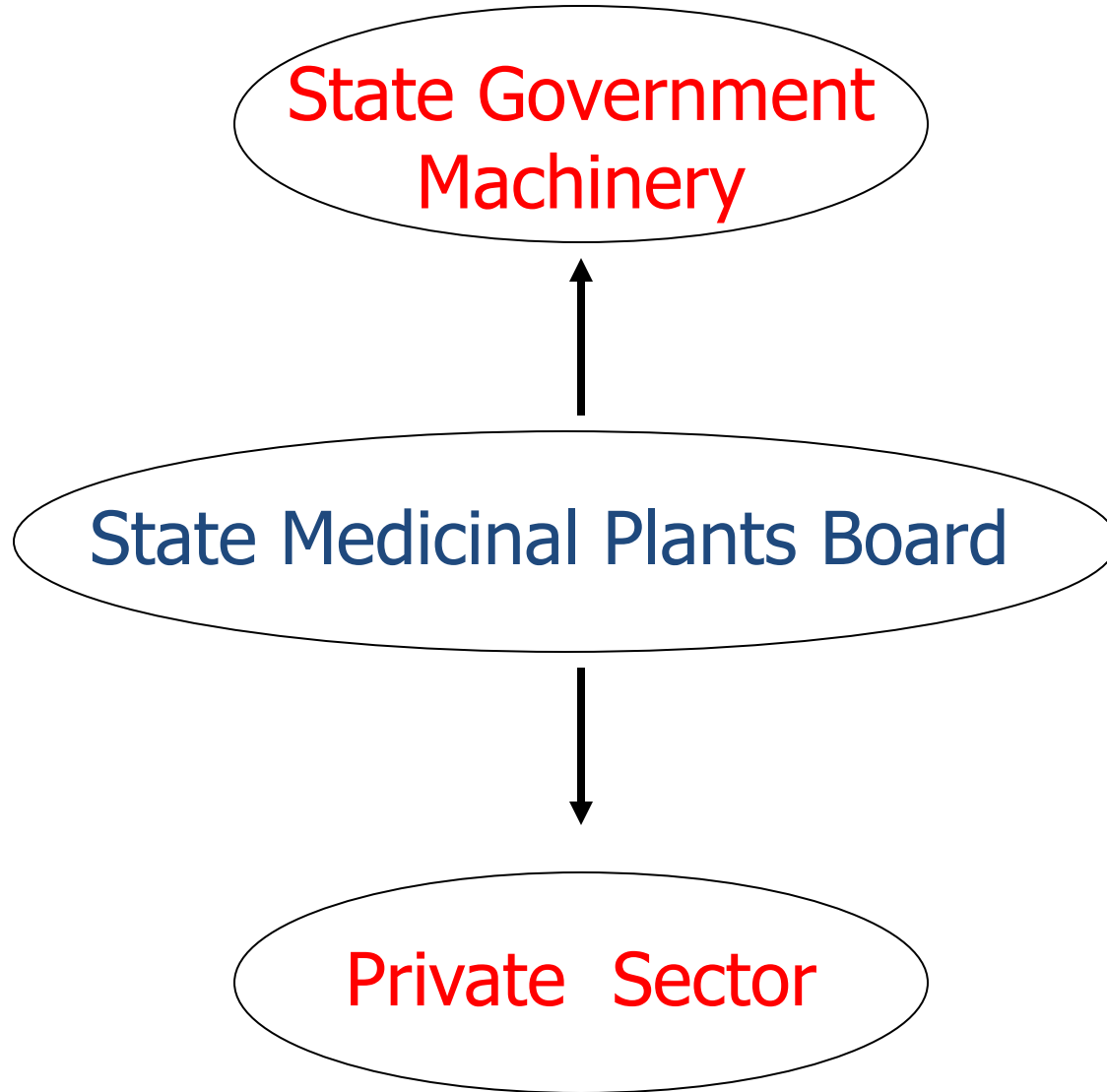
Role of SMPB

1st Popularization of MAP &
Entrepreneurship Development

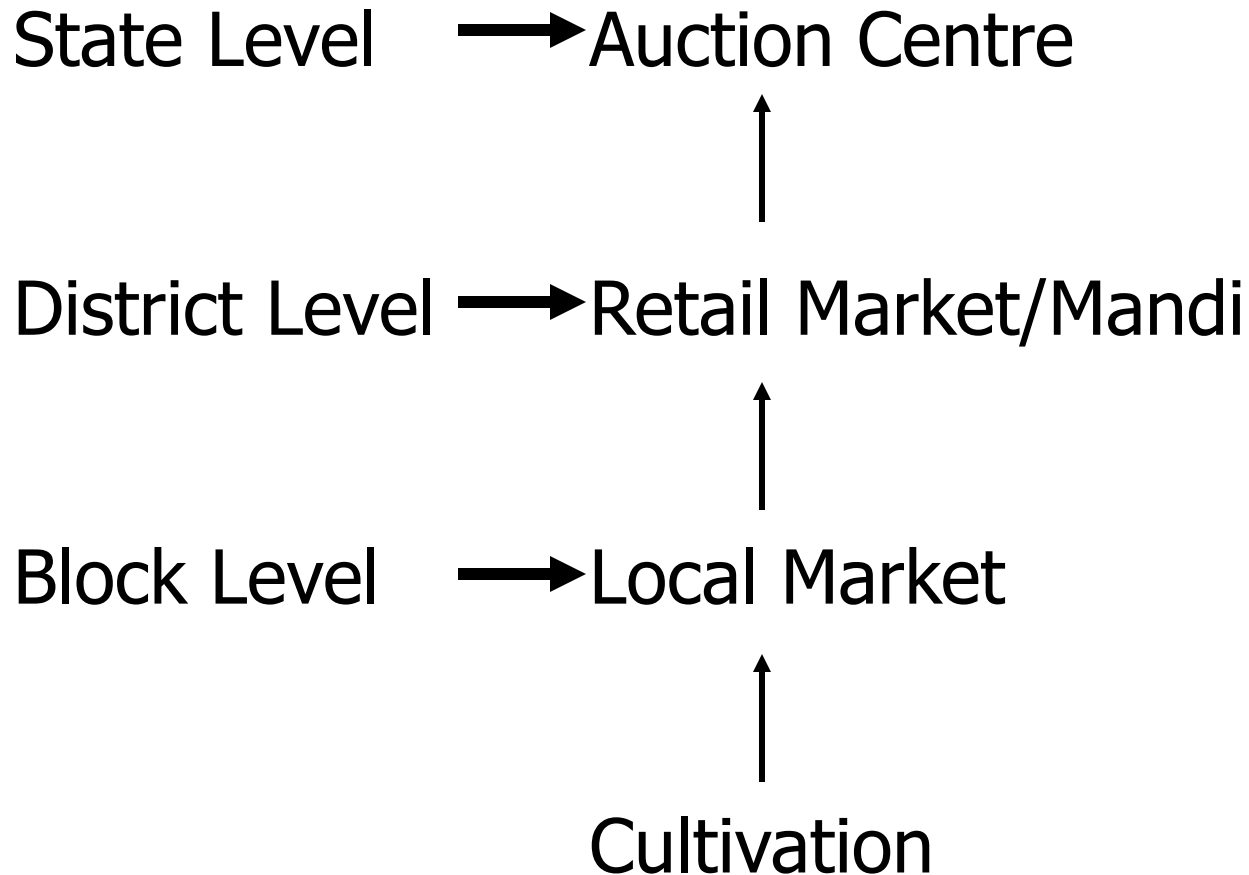
2nd Linkage with different institutions

- » NEIST
- » AAU, FC,
- » GU, DU, IIT
- » DRL, IASST,
- » NEDFi etc.

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Proposed Market channel of MAPs of Assam



Scheme of NMPB

1. Centrally Sponsored Scheme
2. Central Sector Scheme

Central Sector Scheme

- a) Survey, Inventorisation & In-Situ Conservation
- b) Ex-Situ Conservation/Herbal Garden
- c) Support & Linkage with JFMC's
- d) Research & Development
- e) Establishing quality standard & certification
- f) Capacity Building
- g) Promotional Activity
- h) Management Support

Centrally Sponsored Scheme

a) Nursery

b) Cultivation

c) Post Harvest Management

d) Processing and Value Addition

e) Management Support

Mission Interventions

- a) Support Cultivation of Medicinal Plants
- b) Establishment of Seed Centres and nurseries for Supply of Certified Planting Material:
 - Model Nurseries
 - Small Nurseries

Mission Interventions

c) Support for Medicinal Plant Processing and Post Harvest Management including Marketing

- Drying yards
 - Storage godowns
 - Quality testing of raw material
 - Quality testing, certification and insurance
- d) Management Support

Implementation of Programme of National Mission on Medicinal Plants

- Programmes to be implemented through State Horticulture Mission. State
- Horticulture Mission in coordination with concerned departments and SMPBs of state
- State Horticulture Mission will be registered as society funds to be released NMPB to State Horticulture Mission

Implementation of Programme of National Mission on Medicinal Plants

- The State Horticulture Mission would identify agencies for implementation and the district level and identify clusters, organized growers into SHGs / cooperatives / associations/ procedure companies
- The State Horticulture Mission to prepare annual action plan, receive funds from NMPB, release funds to implementing organizations and monitor

Implementation of Programme of National Mission on Medicinal Plants

- The State Horticulture Mission would function in association with facilitation with centres and SMPBs
- Proposals received by SHM to be considered by “Technical Support Group”
- Proposals to be examined by Technical Scrutiny Committee (TSC) in NMPB

Implementation of Programme of National Mission on Medicinal Plants

- At NMPB level, Standing Finance Committee will consider release of funds
- Proposals approved by DSC to be considered by SFC of NMPB
- Release of funds to State level implementing agencies

Some high valued medicinal plants of Assam

- a) **Amlaki** (*Emblica officinalis*)
- b) **Ashok** (*Saraca asoca*)
- c) **Brahmi** (*Bacopa monnieri*)
- d) **Chandan** (*Santalum album*)
- e) **Giloe** (*Tinospora cordifolia*)
- f) **Kalmegh** (*Andrographis paniculata*)
- g) **Pippali** (*Piper longum*)
- h) **Sarp Gandha** (*Rauwolfia serpentina*)
- i) **Shatavari** (*Asparagus racemosus*)
- j) **Tulsi** (*Ocimum sanctum*)

Amlaki (*Emblica officinalis*)



- Duration (Yrs.) : After 6
- Input Cost (Rs.) : 15,000
- Output (Rs.) : 50,000 onwards
- Yield : 10 t fruit

Ashok/Asoka (*Saraca asoca*)



- Duration (Yrs.) : 10
- Input Cost (Rs.) : 5,500
- Output (Rs.) : 20,000
- Yield : bark

Brahmi(*Bacopa monnieri*)



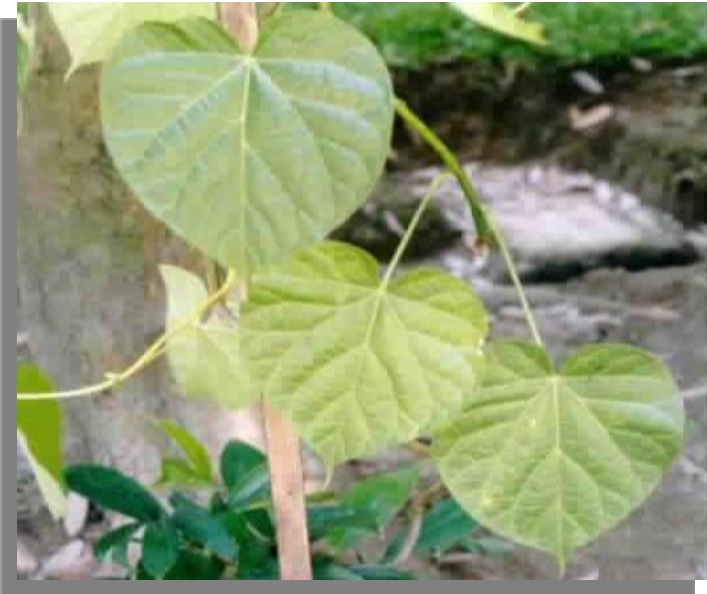
- Duration (Yrs.) : 1
- Input Cost (Rs.) : 15,000
- Output (Rs.) : 50,000
- Yield : 20 q herbage

Chandan (*Santalum album*)



- Duration (Yrs.) : after 30
- Input Cost (Rs.) : 75,000
- Output (Rs.) : 4,50,000
- Yield : 1,500 kg heart wood

Giloe (*Tinospora cordifolia*)



- Duration (Yrs.) : 1
- Input Cost (Rs.) : 2,500
- Output (Rs.) : 6,000
- Yield : 4 q dry stem

Kalmegh (*Andrographis paniculata*)



- Duration (Yrs.) : 1
- Input Cost (Rs.) : 8,000
- Output (Rs.) : 12,000
- Yield : 12 q herbage

Pippali (*Piper longum*)



- Duration (Yrs.) : 1
- Input Cost (Rs.) : 23,000
- Output (Rs.) : 50,000
- Yield : 25 q spikes/1 q root

Sarp Gandha (*Rauwolfia serpentina*)



- Duration (Yrs.) : 2
- Input Cost (Rs.) : 20,000
- Output (Rs.) : 40,000
- Yield : 6 q root

Shatavari (*Asparagus racemosus*)



- Duration (Yrs.) : 2
- Input Cost (Rs.) : 20,000
- Output (Rs.) : 50,000
- Yield : 35 q root

Tulsi (*Ocimum sanctum*)



- Duration (Yrs.) : 1
- Input Cost (Rs.) : 1,500
- Output (Rs.) : 5,000
- Yield : 20-25 kg. oil

VARIOUS PROCESSING PLANT FOR VALUE ADDITION OF MAP



VARIOUS DISTILLATION PLANT FOR MAP



AMLA JUICE MACHINERY



Some Activity on value addition



For more details please visit / contact:

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