

# **Improving Market Network for Collection & Supply of Medicinal Plants Emanating in Forests**

**Presentation by**

**A.K.Singh**

**Principal Chief Conservator of Forests**

**Managing Director**

**Chhattisgarh State Minor Forest Produce (Tr. & Dev.) Co-operative  
Federation Limited, Raipur  
(Chhattisgarh)**

**First International Buyer Seller Meet on Herbal & Medicinal  
Plants at Arogya**

**October 28,2007 at Hall No. 8, Pragati Maidan, New Delhi**



# Collection and Trade Practices of Nationalised Forest Produce.

## Trade Methodology for Harra

- Policy change from 2002-2003 season.
- Advance sale of units before collection.
- Payment of collection wages fixed by the Government by purchasers in collection centres / Bazars.
- Supervision by Primary Co-operative Societies.
- Processing and storage by purchaser.



# Trade of Harra at a Glance

Quantity in Thousand Quintals

Amount in Crores

Collection Season	Collected Quantity	Collection Wages	Sold Quantity	Sale Price	Expenditure	Gain/Loss
<b>Harra</b>						
2001-02	60.63	1.82	60.63	1.51	2.04	-0.53
2002-03	85.26	2.13	85.26	2.16	2.47	-0.31
2003-04	63.09	1.58	63.07	1.68	1.70	-0.02
2004-05	60.61	1.52	60.42	1.54	1.60	-0.06
2005-06	44.12	1.10	44.11	1.19	1.17	0.02
2006-07	60.39	1.51	58.38	1.62	1.57	0.05
2007-08	51.00	1.40	17.50	0.63	0.49	0.14
	<b>Estimated</b>					

Collection rate per kg of Harra is Rs. 2.75, Kachharia is Rs. 6.875 and Bal Harra is Rs. 19.25



# Collection and trade practices of Non-nationalised NWFP

- The collectors of non-nationalised produce are free to sell their produce to any middle men / trader at the mutually decided rate. This practice leads to exploitation of forest produce collectors specially in interior areas.
- NWFP rich forest areas are identified for sustainable harvesting and collection of abundant produce.
- The NWFP collectors and local SHG's, Forest Committee, Primary Cooperative society members are being trained in collection and non-destructive harvesting of produce.

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# NWFP Microenterprise

- NWFP based Micro enterprises are established to promote collection, processing and marketing of forest produce.
- The main activities include Raw MFP procurement and sale, Honey collection and processing and Production of herbal products and retail marketing of herbal products.
- Federation provides financial assistance to local SHG's for establishing NWFP based Micro enterprises.
- Each Micro enterprise is managed by a group of SHG's working at Haat Bazar and village level.
- SHG's at village level , Hat bazar & storage level and Mart level are involved in procurement, value addition and marketing.
- Village level SHG's purchase the produce from collectors at fix price and resale the same to Haat bazar level at the fix price.
- Haat bazar level SHG's are incharge of temporary storage and sale centre and they purchase above produce at fix price and resale the same at NWFP mart at a predetermined rate.
- The SHG's are entitled to get commission over collection price & transportation charges.
- Fifty NWFP have been shortlisted for collection and accordingly purchase price declared.

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# NWFP Mart

- Establishment of six NWFP Marts at Circle level for purchase and sale of raw & processed MFP.
- The above produce is purchased by NWFP marts and sold by the mart in the market at a fixed rate or through auction.
- The sale of processed NWFP in the form of Herbal Products is done through NWFP marts.
- The NWFP marts are managed by Senior and Junior marketing managers specially recruited for this purpose.
- Annual turnover of NWFP Marts is around Rs. 150 lakhs.
- Each mart has been given Rs. 20 lakhs as seed money by Federation.

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# Marketing

- Establishment of market cell at state headquarter.
- Sanjeevani, retail outlet for herbal products have been established at 41 places, 23 at district level and 17 at block level.
- Herbal products are sold under the brand name of "Chhattisgarh Herbals".
- One hundred Managers of primary forest produce cooperative societies have been identified and trained to act as sales executive for the above products.
- MOU has been done with TRIFED for marketing the products through their sale outlets.



# Honey Production & Processing

- Objective is to increase productivity (1.5 - 2 times) of quality honey through non destructive harvesting and Processing of Honey for value addition.
- Rs. 5,000 - 10,000 income to the collectors in two seasons of the year.
- Average annual production - 3,750 Qtls.
- Trade of Rs. 1.80 crore @ of Rs. 50 /kg.



## **Honey Production & Processing Contd. ..**

- ❖ Two processing centres established in Jashpur - Capacity 500 Quintals and Bilaspur - Capacity 1000 Quintals. Third centre at Bhanupratappur is about to start.
- ❖ Both centres got Agmark certification
- ❖ Purchased at village level after testing and processed in 2 centers
- ❖ Total collected quantity till date is 1032 qtls. and processed quantity is 562 qtls. and marketed quantity is 322 qtls.
- ❖ 1000 honey collectors trained and provided with kits for honey collection & testing.

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# Methodology

- ❖ Identification of traditional honey production areas.
- ❖ Identification of honey collectors.
- ❖ Establishment of honey collection centers managed by SHG's
- ❖ Training of honey collectors for sustainable harvesting & SHG's
- ❖ Provision for seed money.
- ❖ Testing , transportation and storage of honey
- ❖ Processing of honey & bottling
- ❖ Marketing through Sanjeevani and dealers.

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# Medicinal Herbal Products

- About 50 Medicinal herbal products are being prepared in 13 centers of State.
- Total sales of Medicinal products in the year 2006-07 Rs. 43 lakhs, 2007-08 is Rs. 25 Lakhs till date.
- These centers are following GMP.

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# Range of Herbal Products



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**Herbal Food**



**Herbal Cosmetic**



## Sitopaladi Churna

### Ingredients

Mishri, Vanslochan, Pipali, Elaichi, Dalchini.

### Use

Take once with half tablespoon with ghee or honey daily.

### Life

1 yrs from the date of packing.



50 gms 40/-



60 gms 35/-

## Bawasir Churna

### Ingredients

Boichandi, Rasana jodi, Kyllu Chhad, Kamraj, Mairhi, Khoshkhas.

### Use

1 tablespoon daily in empty stomach.

### Life

1 yrs from the date of packing.

## Mahul Dona Pattal



Type	Every Bag contains 500 qty. Pattal & 3500 qty. Dona	
Thali Laminated	14"	87/- per hund.
	12"	82/- per hund.
	10"	75/- per hund.
Laminated Plate	8"	18/- per hund.
Laminated Dona	7"	17/- per hund.
	6"	15/- per hund.
	5"	12/- per hund.

## Churnas

### Ashwagandha

#### Ingredients

Ashwagandha root.

#### Use

1 tablespoon with milk twice in a day.

#### Life

1 yrs from the date of packing.

100 gms 25/-

### Ralmegh

#### Ingredients

Panchang of kalmegh.

#### Use

1 tablespoon with water in empty stomach twice a day.

#### Life

1 yrs from the date of packing.

100 gms 15/-

### Tulsi

#### Ingredients

Tulsi panchang.

#### Use

1-2 tablespoon with water twice in a day.

#### Life

1 yrs from the date of packing.

100 gms 25/-

### Arjun

#### Ingredients

Arjun bark.

#### Use

1-2 tablespoon with water twice in a day.

#### Life

1 yrs from the date of packing.

100 gms 10/-

All these products and other Herbal products are available at:

# Sanjeevani

Raipur, Ambikapur, Kawardha, Dhamtari, Jagdalpur, Bilaspur, Durg, Kanker, Jaspur

**Raipur:** Opp. Police Head Quarter, Rajatalab, 0771-6539894  
**Ambikapur:** Herbal Shoppy, Sanjay Park, Ramanujganj Road, Ph: 07774-241600  
**Kawardha:** DFO Office, Rajmahal Chowk, Kawardha Ph: 07741-232328  
**Jagdalpur:** DFO Office, Near Sanjay Market, Jagdalpur. Ph: 07782-223390  
**Dhamtari:** DFO Office, Sihawa Road, Dhamtari Ph: 07722-238371  
**Bilaspur:** DFO Office, Near Nehru Chowk, Ph: 07752-226082  
**Durg:** DFO Office, Near Polytechnic College, Ph: 0788-6522541  
**Kanker:** DFO Office, Annapurna Para, Ph: 07868-222006  
**Jaspur:** DFO Office, Near Collectorate, Ph: 07763-223225

### For Dealer/ Distributorship Contact:

C.G. State Minor Forest Produce (Trd.-Dev.) Co-operative Federation Ltd. Raipur (C.G.)

A-25, VIP Estate, Khamhardih, Shankar Nagar, Raipur (C.G.),

Ph: 0771-2283593/ 262/ 267, Fax: 0771-2283594

E-mail: fed\_raipur@cgmfpfed.org, Web: www.cgmfpfed.org



Dr. Raman Singh  
Chief Minister  
C.G. Govt



Mr. Brijmohan Agrawal  
Forest Minister  
C.G. Govt



Products  
as pure as  
Nature

## Product Profile



C.G. State Minor Forest Produce (Trd.-Dev.) Co-operative Federation Ltd. Raipur (C.G.)

A-25, VIP Estate, Khamhardih, Shankar Nagar, Raipur (C.G.),

Ph: 0771-2283593/ 262/ 267, Fax: 0771-2283594

E-mail: fed\_raipur@cgmfpfed.org, Web: www.cgmfpfed.org





## Honey

### Ingredients

Wild Honey.

### Use

As per taste.

### Life

2 yrs from the date of packing.

750 gms 125/-  
600 gms 100/-  
500 gms 85/-  
300 gms 55/-

## Chyawanprash

### Ingredients

Aonla, Bedari Kand, Bel Chal, Satawar, Ashwa Gandha

### Use

As per taste.

### Life

2 yrs from the date of packing.

1 kg 160/-  
500 gms 85/-  
250 gms 45/-



## Resh Amrit

### Ingredients

Aonla, Shikakai, Ritha, Bhrigraj, Mustak.

### Use

Soak over-night 1 tablespoon of powder in 1 glass of water. Then massage it properly over the scalp and gently wash hair.

### Life

1 yrs from the date of packing.

200 gms 40/-  
100 gms 20/-



## Triphala

### Ingredients

Harra, Baheda, Aonla.

### Use

1-2 tablespoon of churna in empty stomach in the night.

### Life

2 yrs from the date of packing.

250 gms 40/-  
100 gms 15/-



## Diacon

### Ingredients

Gudmar, Gorakhamundi, Jamun Guthali, Neem, Methi, Shilajeet.

### Use

Soak overnight 1 tablespoon of churna in 1 glass of water. Take in empty stomach.

### Life

1 yrs from the date of packing.

200 gms 75/-  
100 gms 40/-



## Kauch Pash

### Ingredients

Kauch Beej, Safed Musli, Bedari Kand, Keshar & Shahad.

### Use

Take 10-20 gm with milk in empty stomach.

### Life

2 yrs from the date of packing.

500 gms 100/-

## Dant Manjan

### Ingredients

Vajradanti, Apamarg, Akarkara, Babul bark, Lachang.

### Use

Brush twice a daily.

### Life

1 yrs from the date of packing.

100 gms 40/-  
50 gms 20/-



## Herbal Tea

### Ingredients

Tulsi, Arjun Chhal, Brahmi, Lemongrass, Lalchandon, Sount.

### Use

1 tablespoon of tea in 4 cups of water.

### Life

1 yrs from the date of packing.

250 gms 50/-  
100 gms 25/-



## Pain Relieving Oil

### Ingredients

Nirgundi, Kalihari, Nagarmotha, Sorpatha, Bach, Sarso oil.

### Use

Massage daily 2-3 times properly on affected area.

### Life

2 yrs from the date of packing.

200 ml 95/-  
100 ml 50/-  
50 ml 35/-



## Heel Care

### Ingredients

Wax, Sarso Oil, Sindur, Dhup, Amar Bel.

### Use

Apply on crack heels before sleeping in the night.

### Life

1 yrs from the date of packing.



40 gms 20/-

## Sugar Nil

### Ingredients

Bhim Patra, Jamun, Shilajeet, Tejpatra, Bel ptr, Ashwagandha, Chiraita, Ama haldi, Loh bhasma.

### Use

Take 1 tablespoon after dinner.

### Life

1 yrs from the date of packing.

100 gms 200/-



## Havan Samagri

### Ingredients

Dhavai flower, Palash flower, Nagarmotha, Sal dhoop, lemon grass oil, Nilgiri oil, Bel

### Use

As per requirement.

### Life

1 yrs from the date of packing.



300 gms 15/-



200 gms 25/-

## Tikhur

### Ingredients

Tikhur kand.

### Use

As per taste.

### Life

1 yrs from the date of packing.



1 kg 36/-  
500 gms 20/-

## Tamarind

### Ingredients

Seedless Tamarind

### Use

As per taste.

### Life

1 yrs from the date of packing.

## Sandhiwat Har Churna

### Ingredients

Ashwagandha, Arngmoda, Satawar, Santhi, Vidhara, Hing, Pipali.

### Use

For Arthritis

### Life

1 yrs from the date of packing.



100 gms 45/-



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# Bulk sales of Honey/Herbs

S.N.	Organisation	Items	Sale value (Rs. Lac)
1	Tampcol Chennai	Raw herbs	195009.00
2	Ayurvedic Pharmacy, Raipur	Raw herbs	719235.00
3	MFP park, Bhopal	Raw Honey	400996.00



# European Commission Project on Forest based Livelihoods

- MFP Federation formulated an ambitious project for the financial assistance of European Commission namely “NWFP based Livelihood activities in Chhattisgarh” which is aimed at ensuring sustainable livelihood to Non-wood Forest Produce collectors mainly tribals and other weaker section of the society.
- This will be ensured through processing and value addition of non-nationalized MFP / Medicinal plants.
- The project will also cover support activities for NWFP based livelihood activities such as resource inventory, capacity building, management information system, marketing, certification traditional knowledge and R&D.
- The proposed project with an outlay of Rs. 21.2 crores is expected to generate Rs. 10.28 crores as income to beneficiaries of the project during the project period of three years. Besides, the beneficiaries are expected to earn Rs. 5.56 crores per annum after the end of project.
- This project has started in the year 2006-07, providing momentum to federation's sincere efforts.
- **The resource survey is being carried out through out the Forest of the State to asses the quantity of Medicinal Plants**



# Capacity Building for NTFP Activities

<b>S.No.</b>	<b>MFP</b>	<b>Details of Training</b>	<b>No. of beneficiaries</b>	<b>Name of the Funding Agency</b>
<b>1</b>	<b>Lac</b>	<b>Master Trainers Training</b>	<b>399</b>	<b>Baster and Sarguja Development Authority</b>
		<b>On Farm Training</b>	<b>3600</b>	
<b>2</b>	<b>Kullu gum</b>	<b>Master Trainers Training</b>	<b>125</b>	<b>Baster development authority</b>
		<b>Gum pickers Training</b>	<b>202</b>	
<b>3</b>	<b>Honey</b>	<b>Honey collection</b>	<b>716</b>	<b>Baster Development Authority, TRIFED</b>
<b>4</b>	<b>Medicinal plant</b>	<b>Medicinal plant cultivation</b>	<b>579</b>	<b>NMPB</b>
<b>5</b>	<b>Medicinal plant / MFP</b>	<b>Medicinal plant / MFP collection &amp; marketing</b>	<b>3300</b>	<b>PPA (Federations own resources)</b>



# Certification in Chhattisgarh

## INTRODUCTION

- ❖ Chhattisgarh is having 44% of geographical area under forest.
- ❖ Annual value of production of raw NWFP is about Rs. 700.00 crores.
- ❖ Adjoining areas of Orissa, Jharkhand, Maharashtra, Madhya-pradesh, Andhra-pradesh are also forest dominated having a lot of NWFP.
- ❖ Livelihood of poor persons specially tribals depend on NWFP.
- ❖ CGMFP Federation is a nodal agency for trade and development of NWFP in the state.
- ❖ Seeing the importance of certification, Federation realized that there should be some agency for certification of forest and NWFP.
- ❖ Certification of forest / NWFP by international agency is very expensive.
- ❖ Only a little work has been done on certification of NWFP.
- ❖ There was a little possibility of private entrepreneurship in this field in CG as it may not be economically viable proposition.



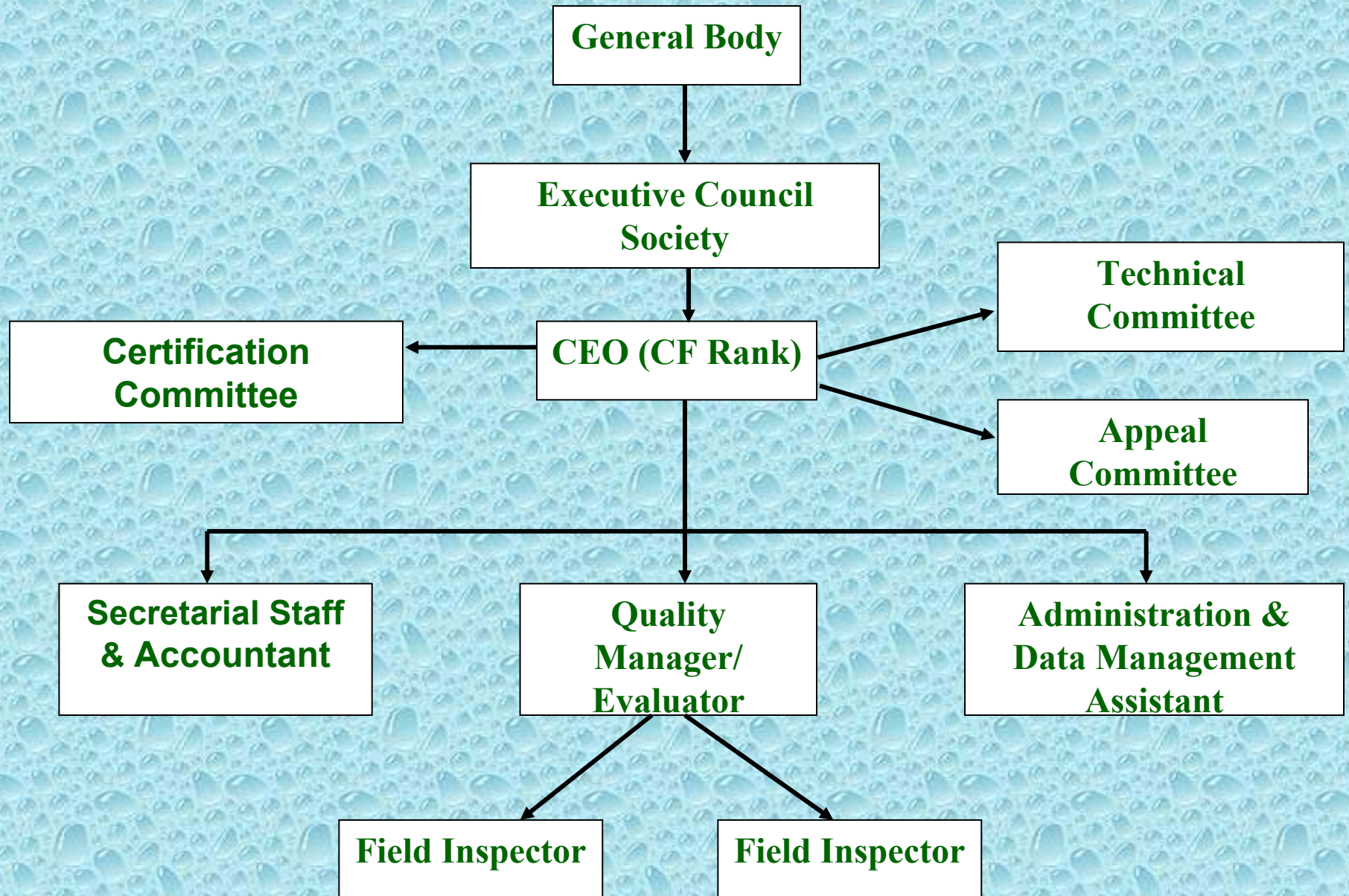
# **ESTABLISHMENT OF CGCERT**

**❖ Hence CGCERT i.e. Chhattisgarh Certification Society was registered under M.P. Societies registration act, 1973 as a non government body meant for following objectives :-**

- Establish certification standards for sustainable forest management and NWFP including MADP.**
- Developing internal standard as per NPOP and GACP.**
- Under take research and extension activities.**
- Arrange resource for certification.**
- Focus on quality organic produce.**



# ORGANOGRAM OF CGCERT





# ORGANIC CERTIFICATION

- ❖ The primary goal of organic production is to optimise the health and productivity of interdependent communities.
- ❖ To raise living standards by economic development.
- ❖ Sustainable development and environmental protection.



# WHAT IS ORGANIC CERTIFICATION

- ❖ Holistic production management system.
- ❖ Organic Production system based on specific and precise standard of production.
- ❖ No recourse to synthetic fertilizer and pesticides.
- ❖ No genetic modification of organisms.



# WHY ORGANIC CERTIFICATION

- ❖ To retain natural quality of produce.
- ❖ Social and environmental benefit.
- ❖ Improve socio - economic condition.
- ❖ Maintain sustainable environment for the produce.
- ❖ Food and Nutrition security.
- ❖ To facilitate life style closer to nature vital for healthy living.



# **INITIATIVES TAKEN FOR ORGANIC CERTIFICATION**

- **Approached APEDA for organic certification as per National Program for Organic Production (NPOP) standards.**
- **Completed four rounds of training of employees of CGCERT conducted by APEDA and European Commission in New Delhi and Dehradun.**
- **Preparing necessary standard and manuals for organic certification which includes.**
  - 1. Organic standards (for NWFP, Agriculture, Wild Produce).**
  - 2. Quality manual**
  - 3. Operating manual.**
  - 4. Audit trail.**
  - 5. Certification templates.**
  - 6. Internal standards of 14 species. (Aonla, Satawar, Baichandi, Tikhur, Kalmegh, Dhawaiful, Bel, Malkangni, Nagarmotha, Vanjeera, Van Tulsi, Harra, Baheda, Giloy).**
  - 7. Prepared Internal collection standards of wild and apiary honey.**



**Medicinal & Aromatic Dye plants Organic and  
certified collection, Production through in-situ  
conservation and management:- Pilot testing in  
Dhamtari forest division, C.G.**

<b>Project Name</b>	<b>Duration</b>	<b>Project Cost (in lacs)</b>	<b>Expenditure</b>
<b>Pilot Project on in-situ conservation of medicinal plants in Dhamtari (NMPB)</b>	<b>3 yrs.</b>	<b>30.00</b>	<b>20.00</b>
<b>Pilot Project in-situ conservation of medicinal plants in forest in Dhamtari (NMPB)</b>	<b>3 yrs.</b>	<b>30.00</b>	<b>20.00</b>



**Contd. -**

<b>Project Name</b>	<b>Duration</b>	<b>Project Cost (in lacs)</b>	<b>Expenditure</b>
<b>Pilot Project on high quality commercial production facilities of medicinal plant in Dhamtari (NMPB)</b>	<b>3 yrs.</b>	<b>30.00</b>	<b>20.00</b>
<b>Pilot Project for in-depth market information service including data bank in Dhamtari (NMPB)</b>	<b>3 yrs.</b>	<b>10.00</b>	<b>4.845</b>
<b>Medicinal, aromatic and dye plants – organic and certified collection, production through in-situ conservation and management, Pilot testing and development in Dhamtari forest division. (IDRC, CANADA)</b>	<b>3 yrs.</b>	<b>54.25</b>	<b>17.82</b>



# **FINANCIAL ALLOCATION FOR CGCERT**

- ❖ **15 lacs from CGMFP- FED, Raipur.**
- ❖ **10 lacs from IDRC Project, Dhamtari.**
- ❖ **A project on Health, Education and Forest based Livelihood Activities has been sanctioned by European Commission.**
- ❖ **Rs. 0.943 crores has been kept for certification component in this project.**
- ❖ **Search for financial resources continues.**



# **PROGRESS IN CERTIFICATION**

- ❖ **Identified organic pockets in C.G.**
- ❖ **Performed shadow external and internal inspections of individual and group Agricultural / Medicinal plant farms, Vermi compost production unit, Honey processing unit and NWFP processing center by CGCERT field Inspector.**
- ❖ **Internal control system (ICS), Internal standards and risk assessment are evaluated by the internal inspectors of CGCERT.**
- ❖ **Shadow inspection reports prepared by inspectors were evaluated by APEDA and EU consultant.**



# OVERALL STEPS OF EVALUATION / CERTIFICATION PROCEDURES

- Application for certification.
- Inspection planning with preliminary risk assessment, determination of re-inspection rate & inspection schedule.
- Preparation of inspection.

- Preparation of inspection.
- Inspection schedule : selection of farmers, details of inspection schedule.
- Risk assessment.
- Inspection of ICS office

- Sample farm inspection.
- Product flow inspection buying, processing, export
- Reporting and evaluation of non-compliances (during inspection and afterwards)

- Submitting the report by quality manager to certification committee.
- Evaluation and certification.
- Follow up on non-compliances.



# FIELD ACTIVITIES OF CGCERT AS PER ORGANIC CERTIFICATION

- ❖ CGCERT has identified organic pockets of agriculture, NWFP and Wild produce.

## Pockets

Vanvasi group(Dhamtari)

Honey Processing Unit  
(Bilaspur)

Khetrapal Farm  
(Bilaspur)

## Field

NWFP Processing unit, Vermi  
compost production unit,  
Medicinal farm & Agricultural  
farm, apiary honey collection.

Wild Honey Processing

Agricultural & Medicinal farm



# **VANVASI GROUP AS A ROLE MODEL FOR ORGANIC CERTIFICATION**

- ❖ **Vanvasi group (Dhamtari) has been selected as a role model for organic certification.**
- ❖ **Shadow inspection (internal as well as external inspection) has been carried out by field inspector of CGCERT.**
- ❖ **For inspection, inspectors go through following steps.**



# **VANVASI GROUP AS A ROLE MODEL FOR ORGANIC CERTIFICATION**

## **❖ Prepared internal standards**

- consist of policies viz.
  - objectives,
  - Standards
  - Sanctions
  - compliances

## **❖ Internal control system**

## **❖ Prepared necessary official documents i.e.**

- Field history (last 3 years)
- Field map
- Contractual agreements
- Conflict of interest declaration
- Input-output records
- Flow chart (production and processing)
- Internal inspection report



# Field, processing & storage management of vanvasi group

- ❖ Conventional and organic farms are kept apart.
- ❖ Prepared separate processing centre for each organic products.
- ❖ 10 MADP species selected for organic processing  
(Tikhur, Baichandi, kalmegh, Satavar, Baivirang, Nagarmotha, Dhawaiphul, Anola, Harra and Anantmool)
- ❖ Internal processing standards in processing unit
- ❖ Effective record keeping and product traceability system in processing unit :-
  - **Incoming records** (Purchasing details for off-farm and on farm inputs which includes type of material, source, quantity, Name of the operator/operator's code )
  - **Processing records** (Type of material processed, total quantity processed, date of processing )
  - **Packaging records** (Material used for packaging, date of packaging, labeling assign lot number )
  - **Storage records** (Processed material stored in godown by assigning lot number material stored in stack for proper ventilation, aeration etc. Storage records mentions storage unit number, capacity, dates, type of product stored, field number, lot number, quantity in storage, quantity out, destination etc.)



## **Vanvasi Group covers following aspects for organic certification**

### **Ecological –**

- Maintenance and enhancement of forest productivity.
- Improvement in bio-diversity along with hydrological cycle, forest eco-system and soil fertility

### **Economic –**

- Increased returns compared to uncertified forest produce.
- Protection of threatened and endangered species.

### **Social –**

- Develops and improves producers' / collectors' image.
- Improvement in condition of producers' / collectors' in particular and community in general.



# WHAT IS VANVASI GROUP ?

- ❖ It is a group entity which comprises of :
  - 5 JFMCs. namely Jabarra, Chargaon, Devgaon, Munaikera and Dinkarpur. Each of the JFMC is registered in Dhamtari forest division(Forest Department) and abide by JFM resolution of the state.
  - Van Vasi Group has an elected executive body and required staff.
- ❖ Vanvasi group consists of a "Group Manager" who acts both as a source of information and is also able to organize a certification process, which allows each individual group member to benefit from the economics of the certification.
- ❖ All the collectors (Group Entity) are vertically integrated in a single supply chain and are not dealing with any other procurement agency.



**Contd. -**

- ❖ **The group is headed by a Group Manager.**
- ❖ **Each individual collector is member of respective JFMCs. Each JFMC prepares final list of individual collector members and forward it to Van Vasi Group.**
- ❖ **The Van Vasi Group has defined membership rules and contractual agreements with respective member. This contract is duly signed and dated by the collector. Format of the contract / undertaking is bilingual i.e. in Hindi and English.**
- ❖ **Each JFMC has an executive body of 5 members, in which one representative from each JFMC is member of the executive body of Van Vasi Group. The 5 members of the executive body elect a Group Manager.**



## Contd. -

- ❖ Each JFMC makes a resolution to collectively apply for certification under Van Vasi Group.
- ❖ Van Vasi Group has an Internal Control System (ICS) in place with due appointment of an Inspector and a well constituted Internal Approval Committee.
- ❖ Van Vasi Group has a separate saving bank account in Dugli.
- ❖ Van Vasi Group has develop Benefit Sharing Arrangements (BSA).
- ❖ There is 13251 ha. forest area under certification scheme. Total 2197 collectors are members of group certification scheme. They belong to Jabarra, Chargaon, Devgaon, Munaikera and Dinkarpur forest village.



# **Internal Control System (ICS) of Vanvasi Group**

## **I. Internal Inspector**

- ❖ **An Internal Inspector is appointed by Van Vasi Group to ensure that the group members are following the specified standards.**

## **II. Internal Approval Committee**

- ❖ **Van Vasi Group has constituted the Internal Approval Committee. There are 3 members in this committee including one women member.**
- ❖ **Main objective of committee is to evaluate the internal inspection reports. Internal Approval Committee examine the reports and list down issues of compliance and non-compliance and prepare the list of non-compliant and compliant members.**



### **III. Corrective Action Measures (CAM)**

- ❖ **Raising a CAM**
- ❖ **Close out of CAM**
- ❖ **Failure to close out CAM**

#### **Maintenance of records and documents**

- ❖ **Group system documents**
- ❖ **Group system records**
- ❖ **Training.**

#### **Product Trail from Production Point to Final Point of Sale**

- ❖ **Traceability.... Internal chain of custody controls**
  - 1. Segregation**
  - 2. Documentation**



# Product Trail from Production Point to Final Point of Sale

- ❖ The specified 10 MADPs collected from forests of group scheme area are completely organically grown and managed on sound principles of sustainable forest management. These MADPs collected in wild on the basis of guidelines laid down in draft of standards. After collection, primary processing like cleaning, drying, winnowing, grading etc., proper packaging is done in correspondence with specific standards.
- ❖ This certified material is now brought to primary collection centers located at five places in the project area. At these primary collection centers the quality of material is visually tested and material, which qualifies the standard quality norm, is purchased.
- ❖ The members sell the produces to the group and group sells it on behalf of members. Therefore group can ensure the chain of custody of produce.



## Contd. -

- ❖ A purchase manager of the JFMC does detail entry of purchase in the collector's card. This entry includes date, species, area of collection, quantity (net weight), rate etc. Such entries are also done in the register at primary collection center (Inventory – 1), in which name and ID No. of collector, name of MADPs, collection area, accepted quantity, rejected quantity, grade (by ocular estimate), number of bags, batch number, rate and payment made etc., are given.
- ❖ At primary collection center immediate payment of purchased material is done to collector at the rate decided by the Van Vasi Group.
- ❖ At primary collection center particular material bought by every collector is given a batch number immediately after packaging. A label is fixed to the bag or any other container in which material is packaged. This label has the record of name of MADPs, plant part, collection site, collection date, quantity and batch number.



## Contd. -

- ❖ A monthly batch number is provided to the specified material brought to the primary collection center. The next month batch number is changed accordingly. For example all the Kalmegh, which is bought to Jabarra primary collection center in the month of October by collectors, is given batch code JA/N/Oct. First two letters denote code of primary collection center Jabarra, third letter denotes code of species Kalmegh and last three letters denotes code of month October.
- ❖ There is a godown in-charge at each godown. After packaging of the material storage is done at the either primary godown at Jabarra or central godown at Dugli. Record at godown is kept in Inventory – 2, containing details of species, receiving date at godown, checking and grading date, number of bags, quantity, grade, batch number, status of material (accepted / under test / rejected) and disposal.



## **Contd. -**

- ❖ **From primary godown material is either sold off directly to interested parties / traders etc., or it is transported to central godown at Dugli.**
- ❖ **Central godown at Dugli is the main godown where lot number for the material are issued. Here lot number is mentioned in the bags already bearing labels containing batch number. Record at central godown is kept in Inventory – 3 containing details of species, receiving date at godown, checking and grading date, number of bags, quantity, grade, batch number, lot number, status of material (accepted / under test / rejected) and disposal. In central godown sample checking is done and final grade is decided. From central godown material is either go to processing center on demand or disposed off to the interested parties, trader etc.**



## Contd. -

- ❖ Therefore, there is well-defined system of trace back. It is ensured through well-maintained system of documentation. If any buyer specifically requires traceability up to the level of the individual collector, it is possible because of packaging and labeling system adopted in the scheme.
- ❖ Each lot number and batch number can be decoded and traced back to the individual collector.
- ❖ If any group member sells uncertified produce as certified, he will be immediately expelled from the group with no possibility of rejoining and legal proceedings for fraud may be considered.



# CHAIN OF CUSTODY ADOPTED BY VANVASI GROUP

- ❖ Chain of custody right from the collection to marketing adopted by vanvasi group is exemplified by taking example of Aonla processing.



# Processing of Aonla (Chain of custody)

## Collection

- ❖ Collected by non destructive harvesting technology, keeping in mind the conservation and sustainability practices.
- ❖ Vanvasi group collects aonla on ripening and give to processing unit
- ❖ The manager takes material, record the details of raw material i.e. date, quantity, operators ID no.

## Processing

- ❖ Cleaning and grading of aonla take place in processing unit i.e. grade - A , grade- B.
- ❖ Steam boiling in distillation plant operated by solar energy.
- ❖ This allow uniform and appropriate boiling of fruits.
- ❖ Seeds removed from the boiled fruits by wearing hand gloves.
- ❖ The pulp is dried under sun by putting them on a perforated tray of drying stand.
- ❖ Manager records the processing of produce (date of processing, quantity produce, assign grading no. )



# PACKAGING AND STORAGE

- ❖ After complete drying processed aonla are packaged in food graded material (Prohibits PVC material).
- ❖ Package material are then assigned lot no. for maintaining effective traceability system.
- ❖ Lot no. includes product code, village code, operators ID, grade No. & year.
- ❖ Lot no. are mentioned in eco-friendly material used labels.
- ❖ Tags used for tagging labels are also eco-friendly material.
- ❖ warehouse manager keeps records of all the packaged material in his record book.
- ❖ Package materials having a lot no. are then stored in storage house in which all the precautions meant for storage are maintained (Proper space, Ventilation, Stack arrangement for aeration, Aromatic, Medicinal product are stored apart from each other).

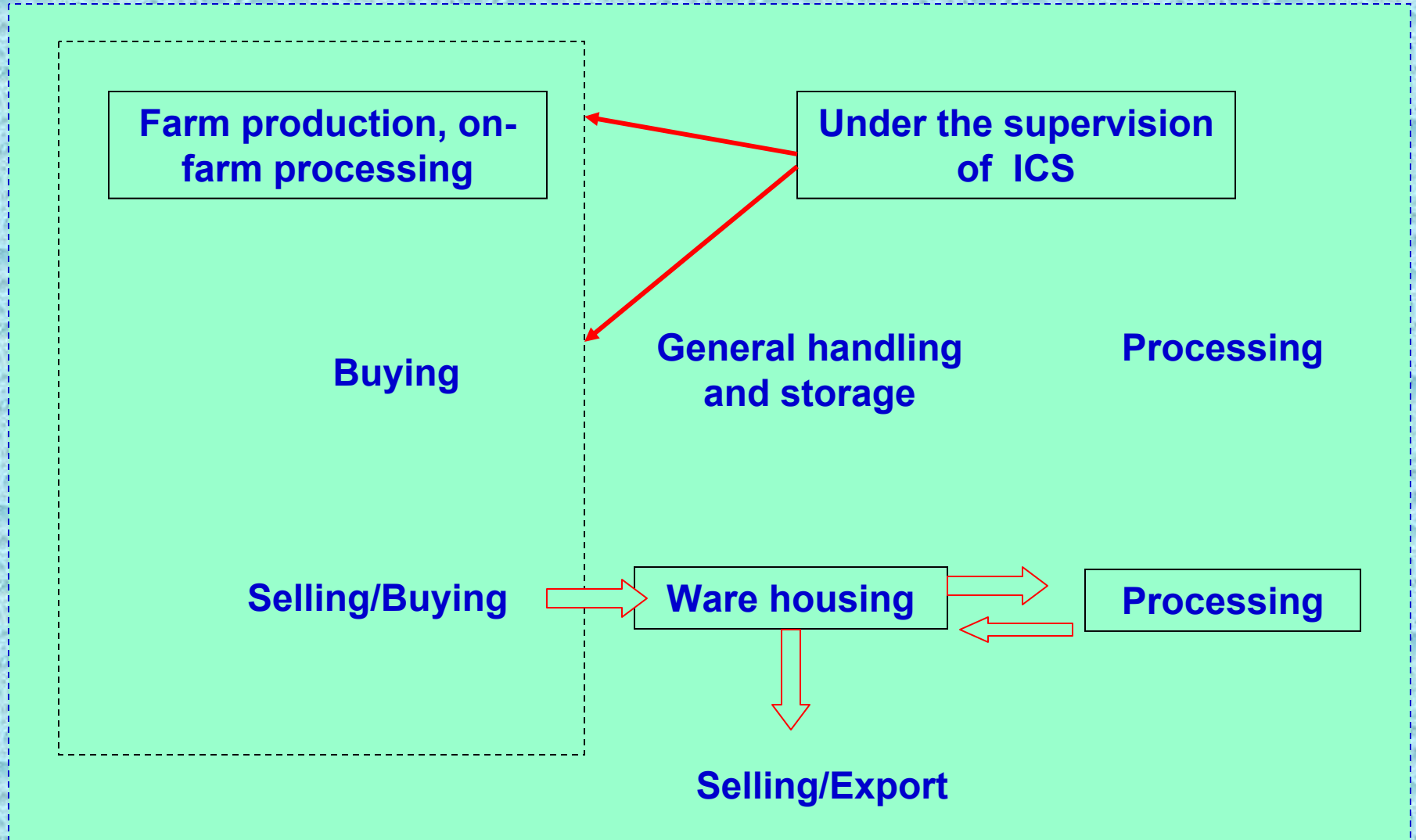


# SELLING

- ❖ If products are sold then the manager keeps record of shipping which includes date of invoice, quantity sold, mentioning lot no. of the product, name of buyer.



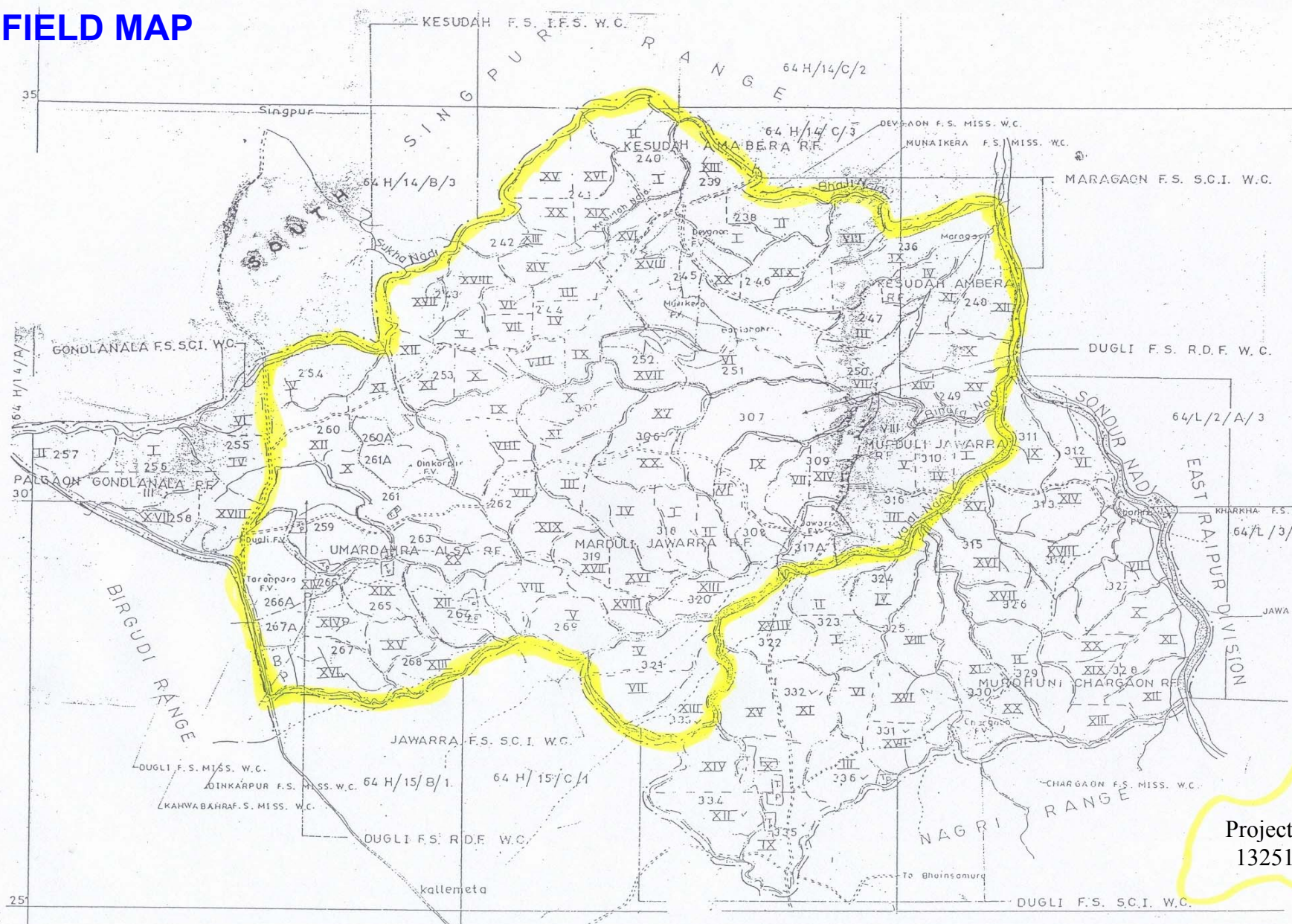
# PRODUCT FLOW





# SAMPLES OF ICS MANAGEMENT IN VANVASI GROUP

## FIELD MAP





## OPERATOR'S ID CARD

संग्राहक का नाम सुरेश कुमार  
पिता/पत्नी का नाम श्री लालखोर  
पहचान क्रमांक J-32  
गांव का नाम जबरी  
वन सुरक्षा समिति का नाम जबरी  
गांव में रहने की अवधि जन्म से  
बी. पी. एल. क्रमांक 73

संरक्षण समिति, धमतरी - 1 (अ)

सत्तावर के विदोहन एवं प्राथमिक प्रसंस्करण का  
क्षेत्रीय निरीक्षण प्रतिवेदन


“ प्रमाणिकरण प्रक्रिया ”  
धमतरी वनमंडल - जिला धमतरी (छत्तीसगढ़)

एम. ए. डी. पी. प्रोजेक्ट  
आई. डी. आर. सी./एन. एम. पी. बी. परियोजना  
छ. ग. लघु वनोपज संघ - धमतरी

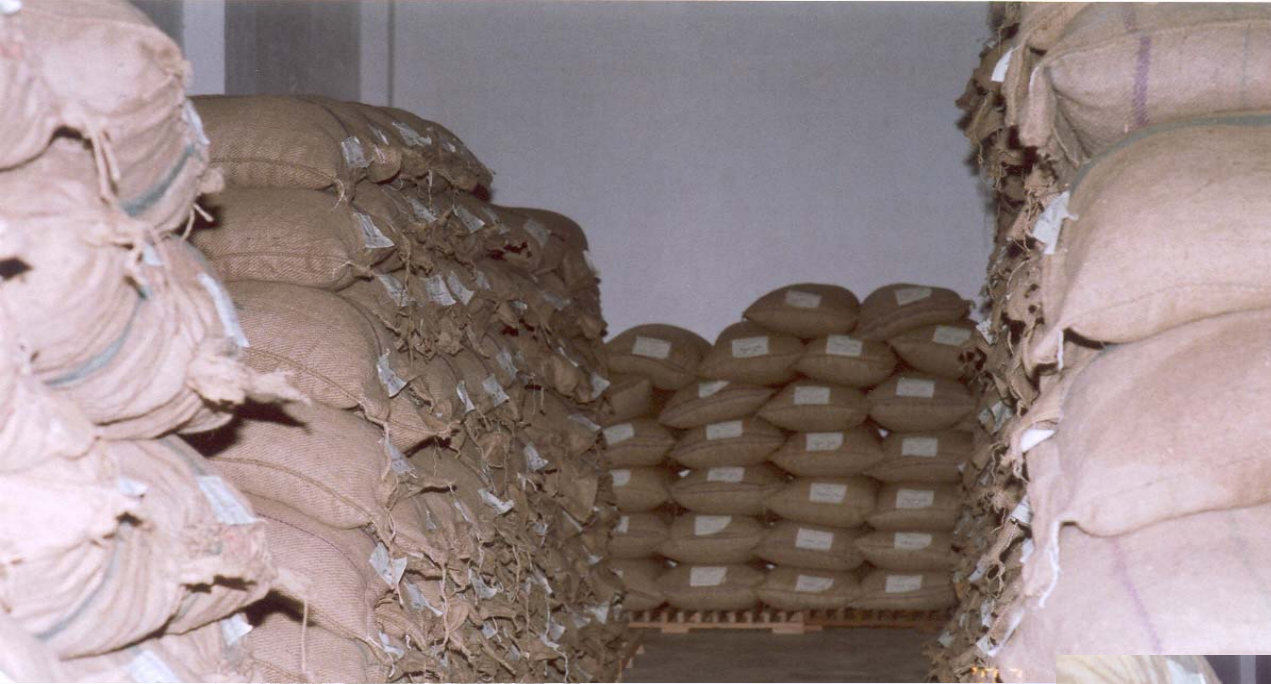
प्रमाणिकरण प्रक्रिया  
अकांक्षीय वनोपज संग्रहण एवं  
पारिश्रमिक कार्ड रजिस्टर का  
सीरियल नंबर .....

अनुक्रमांक .....

अकांक्षीय वनोपज संग्रहण एवं पारिश्रमिक कार्ड

1. संग्रहणकर्ता परिवार के मुखिया का नाम श्री सुमङ्ग राम
2. पिता/पत्नी का नाम श्री जिराखन राम
3. जाति जोड़ (~~अनु. जाति~~/अनु. जनजाति/~~मिछडा वर्ग~~/~~समान्य~~)
4. ग्राम जबरी
5. व. सु. समिति का नाम - जबरी/~~बेवगांव~~/~~मुनईकेरा~~/~~चारगांव~~/~~दिनकरपुर~~
6. संग्रहण केन्द्र (फड) का नाम - जबरी/~~बेवगांव~~/~~मुनईकेरा~~/~~चारगांव~~/~~दिनकरपुर~~
7. संग्रहण वर्ष 2006
8. मुखिया के हस्ताक्षर/अंगुठे का निशान 
9. कार्ड जारी करने वाले का नाम सुखराम नेताम  
पदनाम एवं हस्ताक्षर सुखराम





## STORAGE / GODOWNING





आई.डी.आर.सी./एन.एम.पी.बी.

संग्रहण वर्ष 2006-07

प्रजाति:- बायबिडिंग Baibiding

तानस्पतिक नाम:- Embelia Tsjerium Cottum

बैच नं. - CH/J/2006 लॉट नं. - D-2006

बोरा नं. - 13 वजन - 75.00 कि.ग्रा.

प्रमाणीकरण प्रक्रिया अंतर्गत भण्डारण, धमतरी वन मण्डल

**LABELS**

**INTERNAL INSPECTION  
CHECK - LIST  
FORM OF MADP**

INSPECTION REPORT - PART - 1 (A)

बायबिडिंग के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (B)

बायबिडिंग के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (C)

सलाखर के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (D)

सुगंधी जड़ी (असंस्तमूल) के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (E)

हरा के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (F)

धवाई फूल के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (G)

नागरमोथा के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (H)

कालमेघ के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (I)

बैचांदी के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (J)

तिखुर के विदोहन एवं प्राथमिक प्रसंस्करण का क्षेत्रीय निरीक्षण प्रतिवेदन

INSPECTION REPORT - PART - 1 (K)

“ प्रमाणीकरण प्रक्रिया ”

धमतरी वनमंडल - जिला धमतरी (छत्तीसगढ़)



**COLLECTION CENTER VISITED BY MR. R.B.S. RAWAT  
REGIONAL PROGRAM CO-ORDINATOR, ICIMOD, KATHMANDU**

**प्रमाणीकरण प्रक्रिया अंतर्गत  
प्राथमिक संग्रहण/भंडारण केंद्र चारगांव**





**INTERECTION WITH COLLECTORS OF BY MR. R.B.S. RAWAT  
REGIONAL PROGRAM CO-ORDINATOR, ICIMOD, KATHMANDU**





**NWFP STORAGE UNIT VISITED BY MR. A.K. SINGH (MD) &  
MR. DEVENDRA SINGH (CF RAIPUR)**





## Research Project Sanctioned to T.F.R.I., Jabalpur

<b>S. No</b>	<b>Name of the project</b>	<b>Duration</b>	<b>Project Amount</b>
<b>1</b>	<b>Documentation of best practices in collection and processing of NWFPs in Chhattisgarh</b>	<b>6 month</b>	<b>160000</b>
<b>2</b>	<b>Training of societies in collection and grading of NWFPs.</b>	<b>6 month</b>	<b>248000</b>
<b>3</b>	<b>Identification of species, ethnobotanical survey</b>	<b>2 years</b>	<b>755000</b>
<b>4</b>	<b>Processing techniques of NWFPs species</b>	<b>2 years</b>	<b>100000</b>
<b>5</b>	<b>Quality assessment of NWFPs from different regions</b>	<b>2 years</b>	<b>100000</b>
<b>6</b>	<b>Non-destructive harvesting practices of selective MFPs- satavar and chironjee</b>	<b>2 years</b>	<b>100000</b>
<b>7</b>	<b>Non-destructive harvesting practices of selective MFPs- satavar and chironjee</b>	<b>1 years</b>	<b>50000</b>



<b>S. No</b>	<b>Name of the project</b>	<b>Duration</b>	<b>Project Amount</b>
<b>8</b>	<b>Processing techniques of NWFPs Aegle marmelos (Bel)</b>	<b>1 years</b>	<b>100000</b>
<b>9</b>	<b>Standardization of non-destructive harvesting practices of Baividang (Embelia ribes) Baheda (Terminalia belerica)</b>	<b>2 years</b>	<b>180000</b>
<b>10</b>	<b>Standardization of non-destructive harvesting practices of Arjuna, Maida, Salai</b>	<b>2 years</b>	<b>180000</b>
<b>11</b>	<b>Sustainable yield assessment/harvesting of NWFPs in PPAs of Chhattisgarh</b>	<b>2 years</b>	<b>500000</b>
<b>12</b>	<b>Nursery technologies of mass multiplication of superior seedings of Maida, Baibiding, Sarpagandha, Chironjee, Arjun, Aonla, Bel in Chhattisgarh</b>	<b>1years</b>	<b>50000</b>
	<b>Total</b>		<b>2523000</b>



Thank you