

**Business Plan**  
On  
**Income Generation Activity**  
**FOOD PROCESSING - TURMERIC POWDER**  
For  
**Self Help Group - Chopati Mahadev**



SHG/CIG name	Chopati Mahadev
VFDS name	Chopati Mahadev ( Bhoda Khas)
Range	Daroh
Division	Palampur

**Prepared Under-**

**Project for Improvement of Himachal Pradesh Forest Ecosystems  
Management & Livelihoods (JICA Assisted)**



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## 1. Introduction-

Chopati Mahadev SHG is formed on 16-09-2022, under Project for Improvement of Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted), which fall under VFDS Chopati Mahadev ( Bhoda Khas) and Range Daroh. This SHG consists of 20 females and they collectively decided of preparing turmeric powder as there Income Generation Activity (IGA). These females already had the experience of growing turmeric and now with the help of this project funding, training and assistance. They will be able to sell the turmeric powder as a product in market rather than selling raw turmeric at lower price.

Turmeric is one of the oldest cultivated crops which have been grown in India for several thousand years. Turmeric, the main spice powder in the Indian cuisine, is considered by many to be the most powerful herb on the planet at fighting and potentially reversing disease.

Turmeric is traditionally well known for its culinary and medicinal properties. It is one of the multi-use products having many valuable properties and uses. It is extensively used in food, textile, medicine and cosmetic industries.

## 2. Description of SHG/CIG

1.	SHG/CIG Name	Chopati Mahadev
2.	VFDS	Chopati Mahadev ( Bhoda Khas)
3.	Range	Daroh
4.	Division	Palampur
5.	Village	Bhoda
6.	Block	Bhedu Mahadev
7.	District	Kangra
8.	Total no. of members in SHG	20
9.	Date of formation	16-09-2022
10.	Bank a/c No.	1541000102118505
11.	Bank details	PNB Daroh
12.	SHG/CIG monthly savings	1000 ( 50 per person)
13.	Total saving	2000
14.	Total inter loaning	-
15.	Cash Credit Limit	-
16.	Repayment status	-

### 3. Beneficiaries Detail

S.no.	Name	M/ F	Father/ Husband name	Category	Designation	Contact no.
1	Urmila Devi	F	Manohar Lal	General	President	78078 – 21735
2	Asha Devi	F	Ashok Kumar	General	Secretary	80948 – 05651
3	Subhadra Devi	F	Desh Raj	General	Member	98163 – 99829
4	Indra Devi	F	Sagar Chand	General	Member	86269 – 80289
5	Meena Devi	F	Kapoor Singh	General	Member	86270 – 85739
6	Anju Devi	F	Sanjeev Singh	General	Member	98051 – 18433
7	Veena Devi	F	Shamsher Singh	General	Member	700920473
8	Neelama Devi	F	Sunil Kumar	General	Member	98162 – 98804
9	Reetika Devi	F	Rajinder	General	Member	7807007905
10	Pawana Devi	F	Kanhaiya Lal	General	Member	94597 – 15485
11	Raksha Kumar	F	Punjab Singh	General	Member	9816766492
12	Uma Devi	F	Munshi Chand	General	Member	88940 – 64155
13	Chanchla Devi	F	Manoj Kumar	General	Member	95408 – 98504
14	Surindra	F	Jaswant Singh	General	Member	88941 – 60328
15	Madhu Devi	F	Vipan Kumar	General	Member	98053 – 13593
16	Meena	F	Kartaar Singh	General	Member	-
17	Suderdhna Devi	F	Rakesh Kumar	General	Member	98059 – 06250
18	Shiksha Devi	F	Jasbir Singh	General	Member	85806 – 95071
19	Purnima		Janam Singh	General	Member	-
20	Veena Devi	F	Rustam Singh	General	Member	94181 – 66689

#### 4. Geographical details of the Village

1	Distance from the District HQ	Kangra - 57 Km
2	Distance from Main Road	8 Km
3	Name of local market & distance	Bhawarna & 16 Km Daroh & 10 Km
4	Name of main market & distance	Bhawarna & 16 Km
5	Name of main cities & distance	Palampur - 28 Km
6	Name of main cities where product will be sold/ marketed	Palampur - 28 Km

#### 5. Executive Summary-

Food Processing (Turmeric Powder) income generation activity has been selected by this Self Help Group. This IGA will be carried out by all ladies of this SHG. Powder of turmeric will be made by this group initially. This business activity will be carried out yearly by group members. The process of making powder takes around 8-10 days. Production process includes process like cleaning, washing, drying, grading, grinding etc. Initially group will manufacture powder of raw turmeric but in future, group will manufacture other products which follow same process. Product will be sold directly by group or indirectly through retailers and whole sellers of near market initially.

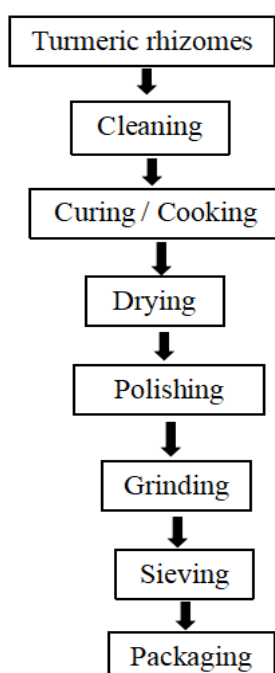
## 6. Description of product related to Income Generating Activity-

1	Name of the Product	Turmeric Powder
2	Method of product identification	Has been decided by group members
3	Consent of SHG/ CIG / cluster members	Yes

## 7. Production Processes-

### ❖ Harvesting-

- ❖ Depending upon the variety, the crop becomes ready for harvest in 7-9 months. Early varieties mature in 7-8 months, medium varieties in 8-9 months and late varieties after 9 months.
- ❖ On maturity, the leaves turn dry and are light brown to yellowish in colour.
- ❖ The land is ploughed and the rhizomes are gathered by hand picking or the clumps are carefully lifted with a spade.
- ❖ The harvested rhizomes are cleared of mud and other extraneous matter adhering to them.
- ❖ Fingers are separated from mother rhizomes. Mother rhizomes are usually kept as seed material.



## ❖ Processing-

### ❖ Sweating

After digging the turmeric from the ground, the leaves were separated from the plant and the roots were carefully wash off to remove all the impurities. Leaf scales and long roots are trim off and the rhizomes and branches are separate and cover in leaves and then remain for a day for sweating.

### ❖ Curing

To get the dry form of turmeric, it is being cure. After washing it off, the rhizomes were boiled in water and dry under the sun. The boiling process lasts from 45-60 min until the rhizomes turn soft. Boiling usually stop when comes out and white fumes appear giving out a typical odor. The stage where boiling is stopped highly influence the color and aroma of the final product.

### ❖ Drying

After curing the turmeric the next step is drying. By using the drying floor or bamboo mats 5-7 cm thick layer of turmeric spread under the sun for drying. It takes 10-15 days for drying properly. At the night the turmeric is cover with a material which provides aeration.

### ❖ Polishing

After drying it has a rough dull outer surface with scales and root bites. By polishing the appearance will be improve and for this basically manual and mechanical rubbing technique were use.

### ❖ Coloring

The color of turmeric matters a lot. As the price was decided according to the color of the product.

### ❖ Grinding

The polished turmeric fingers are subjected to grinding. Grinding is one of the most common operations used to prepare turmeric powder for consumption and resale. The main aim of particular spice grinding is to obtain smaller particle sizes, with good product quality in terms of flavour and color. There are different ambient grinding mills

and methods available for this process; such as hammer mill, attrition mill and pin mill. In India, traditionally, plate mills and hammer mills are used for turmeric grinding.

✧ Sieving

Ground spices are size sorted through screens, and the larger particles can be further ground. The screens usually used are 60 - 80 mesh size.

✧ Packaging & Storing

Turmeric is packed in air-tight paper bags inner coated with polyethylene. Also, to maintain the quality of the product, it is stored in dry storage and away from the light. So that turmeric doesn't lose the proper amount of moisture it has.

## 8. Production Planning -

1.	Production Cycle for turmeric powder (in days)	8-10days
2.	Man power required per cycle(No.)	All ladies
3.	Source of raw materials	Local market/Main market
4.	Source of other resources	Local market / Main market
5.	Quantity required per month(Kg)	1500
8.	Expected production per month(Kg)	1500

### Requirement of raw material and expected production

Sr.no	Raw material	Unit	Time	Quantity( approx)	Amount per Kg(Rs)	Total amount	Expected production Per month(Kg)
1	Raw Turmeric	Kg	Monthly	1500	50	75,000	1500



## 9. Sale & Marketing -

1	Potential market places	Bhawarna, Daroh & Palampur
2	Distance from the unit	15 km, 10 km & 28 Km
3	Demand of the production market place/s	Daily demand
4	Process of identification of market	Group members, according to their production potential and demand in market, will select list of retailer or whole seller. Initially product will be sold in near markets.
5	Marketing Strategy of the product	SHG members will directly sell their product through village shops and from manufacturing place/shop. Also by retailer, wholesaler of near markets. Initially product will be sold in 5,1 and 0.5 Kg's a packaging.
6	Product branding	At CIG/SHG level product will be marketed by branding CIG/SHG. Later this IGA may required branding at cluster level
7	Product "slogan"	"Chopati Mahadev Organic Haldi"

## 10. SWOT Analysis-

### ❖ Strength-

- ❖ Raw material easily available.
- ❖ Manufacturing process is simple.
- ❖ Proper packing and easy to transport.
- ❖ Product shelf life is long.
- ❖ Homemade, lower cost.

### ❖ Weakness-

- ❖ Effect of temperature, humidity, moisture on manufacturing process/product.
- ❖ Highly labor intensive work.
- ❖ Compete with other old and well known products.

### ❖ Opportunity-There are good opportunities of profits as product cost is lower than other same categories products.

- ❖ High demand in shops, fast food stalls, retailers, wholesalers, canteen, restaurants, chefs and cooks, housewives, by beauty brands for making beauty products and also by pharmaceutical companies.
- ❖ There are opportunities of expansion with production at a larger scale.
- ❖ Daily consumption.
- ❖ Threats/Risks–
  - ❖ Effect of temperature, moisture at time of manufacturing and packaging particularly in winter and rainy season.
  - ❖ Suddenly increase in price of raw material.
  - ❖ Competitive market.

### 11. Description of management among members-

By mutual consent SHG group members will decide their role and responsibility to carry out the work. Work will be divided among members according to their mental and physical capabilities.

- ❖ Some group members will involve in Pre-production process (i.e. - procuring of raw material etc).
- ❖ Some group members will involve in production process.
- ❖ Some group members will involve in packaging and marketing.

### 12. Description of Economics -

A. Capital Cost				
S. No.	Particulars	Quantity	Unit Price	Amount (Rs)
1	Haldi seeds	200 Kg	100	10,000
2	Grinder Machine	1	30,000	30,000
3	Storage tank	1	10,000	10,000
4	Weighing machine	1	8,000	8,000
5	Kitchen tools		LS	10,000
6	Finished product storage almirah/racks	2	5,000	10,000
7	Hand Operated Packing Machine	2	10,000	10,000
8	Apron, cap, plastic hand gloves etc		LS	5000
<b>Total Capital Cost (A) =</b>			<b>1,13,000</b>	

B. Recurring Cost					
S. No.	Particulars	Unit	Quantity	Price	Total Amount (Rs)
1	Raw material	Month	1500	50	75,000
2	Room rent	Month	1	1000	1000
3	Packaging material	Month	LS	2000	2000
4	Transportation	Month	1	1000	1000
5	Other (stationary, electricity, water bill, machine repair )	Month	1	1500	1500
<b>Total Recurring Cost (B) = 80,500</b>					

C. Cost of production		
S. No.	Particulars	Amount
1	Total recurring cost	80,500
2	10% depreciation annually on capital cost	11,300
<b>Total = 91,800</b>		

D. Selling price calculation			
S. No.	Particulars	Unit	Amount
1	Cost of production	Kg	80
2	Current market price	Kg	250-300
3	Expected selling price	Kg	200

### 13. Analysis of Income and Expenditure ( per month) -

S. No.	Particulars	Amount
1	10% depreciation annually on capital cost	11,300
2	Total Recurring Cost	80,500
3	Total Production (Kg)	1500
4	Selling Price (per Kg)	200
5	Income generation (200*1500)	3,00,000
6	Net profit (300000 - 80500)	2,19,500

7	Distribution of net profit	<ul style="list-style-type: none"> <li>✧ Profit will be distributed equally among members monthly/yearly basis.</li> <li>✧ Profit will be utilized to meet recurring cost.</li> <li>✧ Profit will be used for further investment in IGA</li> </ul>
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#### 14. Fund Requirement -

S. No.	Particulars	Total Amount (Rs)	Project Contribution	SHG contribution
1	Total capital cost	113,000	84,750	28,250
2	Total Recurring Cost	80,500	0	80,500
3	Training/capacity building/skill up-gradation.	50,000	50,000	0
<b>Total</b>		<b>243,500</b>	<b>134,750</b>	<b>108,750</b>

#### 15. Sources of Fund -

Project support	<ul style="list-style-type: none"> <li>✧ 50% of capital cost will be provided by project if the group belongs to general category and 75% if from other category.</li> <li>✧ Up to Rs 1 lakhs will be parked in the SHG bank account.</li> <li>✧ Training/capacity building/ skill up-gradation cost.</li> <li>✧ The subsidy of 5% interest rate will be deposited directly to the Bank/Financial Institution by DMU and this facility will be only for three years. SHG have to pay the installments of the Principal amount on regular basis.</li> </ul>	Procurement of machines/equipment will be done by respective DMU/FCCU after following all codal formalities.
SHG Contribution	✧ 50% of capital cost to be borne by SHG if belongs to general category and if from	

	<p>other category then 25%. <b>But members belongs to low income group and they can contribute 25% and project has to bear remaining 75%.</b></p> <p>✧ Recurring cost to be borne by SHG.</p>	
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## 16. Training/capacity building/skill up-gradation -

Training/capacity building/ skill up-gradation cost will be borne by project.

Following are some training/capacity building/ skill up-gradation proposed/needed:

- ✧ Cost effective procurement of raw material
- ✧ Quality control
- ✧ Packaging and Marketing
- ✧ Financial Management

## 17. Computation of break-even point -

= Capital Expenditure/(selling price (per kg)-cost of production (per kg))

= 1,13,000/ (200-80)

= 942Kg

In this process break-even will be achieved after selling 942kg powder.

## 18. Bank Loan Repayment-

If the loan is availed from bank it will be in the form of cash credit limit and for CCL there is not repayment schedule; however, the monthly saving and repayment receipt from members should be routed through CCL.

- ✧ In CCL, the principal loan outstanding of the SHG must be fully paid to the banks once a year. The interest amount should be paid on a monthly basis.
- ✧ In term loans, the repayment must be made as per the repayment schedule in the banks.
- ✧ Project support - The subsidy of 5% interest rate will be deposited directly to the Bank/Financial Institution by DMU and this facility will be only for three years. SHG/CIG have to pay the installments of the Principal amount on regular basis.

## 19. Monitoring Method-

- ❖ Social Audit Committee of the VFDS will monitor the progress and performance of the IGA and suggest corrective action if need be to ensure operation of the unit as per projection.
- ❖ SHG should also review the progress and performance of the IGA of each member and suggest corrective action if need be to ensure operation of the unit as per projection.

Some key indicators for the monitoring are as:

- ✧ Size of the group
- ✧ Fund management
- ✧ Investment
- ✧ Income generation
- ✧ Quality of product

## **20. Remarks**

Members belongs to low income group and they can contribute 25% and project has to bear remaining 75% . In future, group will also make other species powder that follow the same process and require the same machines.

**21. Group Member Photos:**



Urmila Devi



Asha Kumari



Subhadra



Indira



Meena



Anju Devi



Beena Devi



Neelam



Reetika



Pawna Devi



Raksha Kumari



Uma Devi



Chanchla Devi



Surindra



Madhu



Meena



Sudershna



Shiksha



Purnima



Veena Devi

**22. Group Photos:**






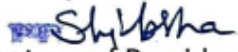
## 23. Resolution-cum Group consensus form

### Resolution-cum-Group-consensus Form

It is decided in the General house meeting of the group Vaiphnavi held on 19.12.2022 at Bhoda that our group will undertake the Cutting + Tailoring as Livelihood Income Generation Activity under the Project for Implementation of Himachal Pradesh Forest Ecosystem management and Livelihood (JICA assisted).

  
प्रधान  
Signature Of Group President  
सहायता समूह  
ग्राम पंचायत भौडा, गाव साई  
डि.बि. सुलह मेडू महादेव (कागडा) हि.प्र

Neha kumari  
Signature Of group secretary  
प्रधान  
बेष्णवी स्वयं सहायता समूह  
ग्राम पंचायत भौडा, गाव साई  
डि.बि. सुलह मेडू महादेव (कागडा) हि.प्र

  
Signature of President VFDS  
ग्राम पंचायत भौडा  
वहासोन, पलमपुर  
डि.बि. सुलह मेडू महादेव

## 24. Business approval by VFDS and DMU

Business Plan Approval by VFDS and DMU.

Vaishnavi Group will undertake the Cutting + Tailoring as Livelihood Income Generation Activity under the Project for Implementation of Himachal Pradesh Forest Ecosystem management and Livelihood (JICA assisted). In this regard business Plan of Amount Rs. 193300 has been submitted by the group on 19.12.2022 and the Business Plan has been approved by VFDS Chopati Mahadev (Bhoda)

Business Plan is submitted to DMU through FTU for further action please.

Thank You.



Signature Of group President

बैष्णवी स्वयं सहायता समूह  
ग्राम पंचायत भौडा, गाव साई  
वि.स. सुलह मेड़, महादेव (कागड़ा) हि.प्र


Neha Kumari  
Signature Of group secretary

बैष्णवी स्वयं सहायता समूह  
ग्राम पंचायत भौडा, गाव साई  
वि.स. सुलह मेड़, महादेव (कागड़ा) हि.प्र

Shikha  
Signature of President VFDS

ग्राम पंचायत भौडा, गाव साई  
तहसील पलामपुर  
जिला कागड़ा हि.प्र

Approved

  
DMU cum DFO Palampur  
Palampur (H.P.)

