



Business Plan

On

Income Generation Activity

FOOD PROCESSING - TURMERIC POWDER

For

Self Help Group - Jagriti



SHG/CIG name

Jagriti

VFDS name

Ropari Kalehru

Range

Lad Bharol

Division

Jogindernagar

Prepared Under-

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

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1. Introduction-

Jagriti SHG is existing from 2002 and also have been included under Project for Improvement of Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted), which fall under VFDS Ropari Kalehru and Range Lad Bharol. This SHG consists of 11 females and they collectively decided of preparing turmeric powder as their 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	Jagriti
2.	VFDS	Ropari Kalehru
3.	Range	Lad Bharol
4.	Division	Jogindernagar
5.	Village	Ropadi Kalehru
6.	Block	Chauntra
7.	District	Mandi
8.	Total no. of members in SHG	11
9.	Date of formation	01-01-2002
10.	Bank a/c No.	87190100087546
11.	Bank details	Punjab National Bank Lad Bharol
12.	SHG/CIG monthly savings	100
13.	Total saving	60,000
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	Sapna Devi	F	Pyar Chand	General	Secretary	821944148
2	Anjana Devi	F	Ramesh kumar	General	President	8580635274
3	Rabna Devi	F	Bhanau Ram	General	Member	9817163078
4	Meera Devi	F	Luder Singh	General	Member	8894142490
5	Bimla Devi	F	Shyam Singh	General	Member	7876218297
6	Reena Devi	F	Rakesh Kumar	General	Member	7817663795
7	Maya Devi	F	Suresh Kumar	General	Member	9810838258
8	Beena Devi	F	Saipal	General	Member	7807873286
9	Kushma Devi	F	Bhisham Singh	General	Member	9625577802
10	Rukmani Devi	F	Titar Singh	General	Member	8091187682
11	Rakesha Devi	F	Jai Ram	General	Member	9418766080

4. Geographical details of the Village

1	Distance from the District HQ	86 Km
2	Distance from Main Road	5 Km
3	Name of local market & distance	Ropari and 5 Km
4	Name of main market & distance	Chauntra and 20 km
5	Name of main cities & distance	✧ Mandi - 86Km ✧ Jogindernagar - 30 Km ✧ Palampur - 41 Km ✧ Bajjnath - 25 Km
6	Name of main cities where product will be sold/ marketed	✧ Mandi ✧ Jogindernagar ✧ Palampur ✧ Bajjnath

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.

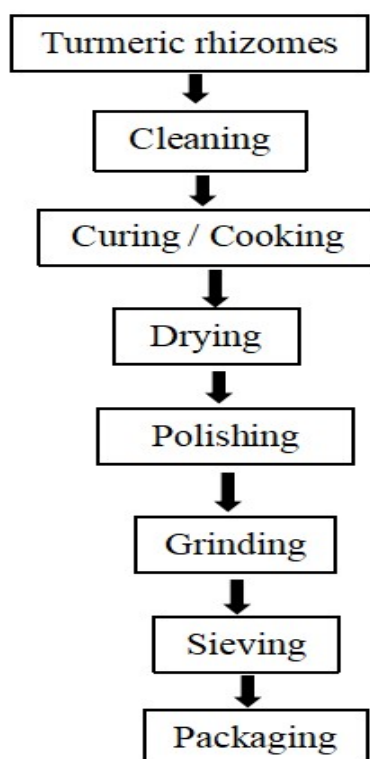
6. Description of product related to Income Generating Activity-

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 the turmeric doesn't lose the amount of moisture.

8. Production Planning -

1.	Production Cycle for turmeric powder (in days)	8-10 days
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)	1,000
8.	Expected production per month(Kg)	1,000

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	1000	50	50,000	1000

9. Sale & Marketing -

1	Potential market places	Mandi, Jogindernagar, Palampur, Baijnath
2	Distance from the unit	<ul style="list-style-type: none"> ✧ Mandi - 86Km ✧ Jogindernagar - 30 Km ✧ Palampur - 41 Km ✧ Baijnath - 25 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 and 1 Kg 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"	"Jagriti - 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	110 Kg	100	11,000
2	Grinder Machine	1	35,000	35,000
3	Storage tank	1	10,000	10,000
4	Weighing machine	1	8,000	8,000
5	Kitchen tools		LS	10,500
6	Finished product storage almirah/racks	2	5,000	10,000
7	Hand Operated Packing Machine	1	10,000	10,000
8	Apron, cap, plastic hand gloves etc		LS	5500
Total Capital Cost (A) =				1,00,000

Note – As raw turmeric will be produced by group members and labour work will be done by members themselves, therefore, these costs will be reduced from total recurring cost.

B. Recurring Cost

S. No.	Particulars	Unit	Quantity	Price	Total Amount (Rs)
1	Raw material	Month	1000	50	50,000
2	Room rent	Month	1	1000	1000
3	Packaging material	Month	LS	2000	2000
4	Transportation	Month	1	1200	1200
5	Other (stationary, electricity, water bill, machine repair)	Month	1	2000	2000
6	Labour cost	Month	1	11,000	11,000
Total Recurring Cost (B) = 67,200					

C. Cost of production

S. No.	Particulars	Amount
1	Total recurring cost	67,200
2	10% depreciation annually on capital cost	10,000
Total = 77,200		

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	10,000
2	Total Recurring Cost	67,200
3	Total Production (Kg)	1000
4	Selling Price (per Kg)	200
5	Income generation (1000×200)	2,00,000
6	Net profit (Income generation - Recurring cost)	1,32,800
7	Gross profit = Net Profit - (cost of raw material + Labour cost)	1,32,800 -(50,000+11,000) =71,800
8	Distribution of net profit	<ul style="list-style-type: none"> ✧ Profit will be distributed equally among members monthly/yearly basis. ✧ Profit will be utilized to meet recurring cost. ✧ Profit will be used for further investment in IGA

14. Fund Requirement -

S. No.	Particulars	Total Amount (Rs)	Project Contribution	SHG contribution
1	Total capital cost	1,00,000	75,000	25,000
2	Total Recurring Cost	67,200	0	67,200
3	Training/capacity building/skill up-gradation.	50,000	50,000	0
Total		2,17,200	1,25,000	92,200

15. Sources of Fund -

Project support	<ul style="list-style-type: none">✧ 75% of capital cost will be provided by project if members belong to SC/ST/Poor women. If the members belong to general then 50% capital cost is will be borne by project.✧ Up to Rs 1 lakhs will be parked in the SHG bank account.✧ Training/capacity building/ skill up-gradation cost.✧ 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.	Procurement of machines/equipment will be done by respective DMU/FCCU after following all codal formalities.
SHG Contribution	<ul style="list-style-type: none">✧ 25% of capital cost to be borne by SHG.✧ Recurring cost to be borne by SHG	

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))

=1,00,000/ (200-80)

=834 Kg

In this process break-even will be achieved after selling 834 kg 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%. The group will first be focusing on turmeric powder. Later they will also expand their business in other spices such as chilli powder, coriander powder and many more.

21. Group Member Photos:



Sapna Devi



Anjana Devi



Kushma Devi



Maya Devi



Beena Devi



Meera devi



Rukmani Devi



Rabna Devi



Bimla devi



Reena Devi



Raksha Devi

22. Group Photogarrph :-



23. Resolution-cum-Group-consensus form :

Resolution-cum-Group-consensus Form

It is decided in the General house meeting of the group Jagsiti held on 20-10-2022 at Ropari Kalohra that our group will undertake the Haldi processing as Livelihood Income Generation Activity under the Project for Implementation of Himachal Pradesh Forest Ecosystem management and Livelihood (JICA assisted).

Signature Of group President <i>Roshulul</i> प्रधान सचिव जापूदि व व गहमना वगूइ यांव इरड (वि.प्र.)	Signature Of group secretary <i>Sham</i> सचिव
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Signature of President VFDS

Roshulul
President
Vill. Forest Development Society
Ropari Kalohra

[Signature]
D.M.U.-Cum-
Divisional Forest Officer
Joginder Nagar

24. Business Plan Approval :

