



Business Plan

On

Income Generation Activity

HALDI CULTIVATION AND PROCESSING

For

Self Help Group - Kalpana



SHG/CIG name

Kalpana

VFDS name

Jimjima

Range

Joginder Nagar

Division

Joginder Nagar

Prepared Under-

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

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1. Introduction-

Kalpana SHG is existing from 2020 and also have been included under Project for Improvement of Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted), which fall under VFDS Banehar and Range Joginder Nagar. This SHG consists of 10 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	Kalpana
2.	VFDS	Jimjima
3.	Range	Joginder Nagar
4.	Division	Joginder Nagar
5.	Village	Jimjima
6.	Block	Joginder Nagar
7.	District	Mandi
8.	Total no. of members in SHG	7
9.	Date of formation	12-01-2018
10.	Bank a/c No.	87570100038832
11.	Bank details	Himachal Gramin bank JNR
12.	SHG/CIG monthly savings	100
13.	Total saving	55000
14.	Total inter loaning	-
15.	Cash Credit Limit	-
16.	Repayment status	-

3. Beneficiaries Detail

S. n o.	Name	M/F	Father/Husband name	Category	Designation	Contact no.
1	Roopa Devi	F	Hosiyaar Singh	General	President	9418719121
2	Savita Devi	F	Nagender Singh	General	Secretary	7018066380
3	Koshalya Devi	F	Rajinder Singh	General	Member	7876839545
4	Kanta Devi	F	Megh Singh	General	Member	8628872999
5	Nima Devi	F	Shemsher Singh	General	Member	7807609721
6	Savtri Devi	F	Ranjeet Singh	General	Member	8629890519
7	Saji Devi	F	Hari Singh	General	Member	8628938716

4. Geographical details of the Village

1	Distance from the District HQ	55 Km
2	Distance from Main Road	2 Km
3	Name of local market & distance	Joginder nagar & 5 km
4	Name of main market & distance	Joginder nagar & 5 km
5	Name of main cities & distance	<ul style="list-style-type: none"> ✧ Mandi - 55Km ✧ Jogindernagar - 2 Km ✧ Palampur - 42 Km ✧ Baijnath - 25 Km
6	Name of main cities where product will be sold/ marketed	<ul style="list-style-type: none"> ✧ Mandi ✧ Jogindernagar ✧ Palampur ✧ Baijnath

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 processes 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.

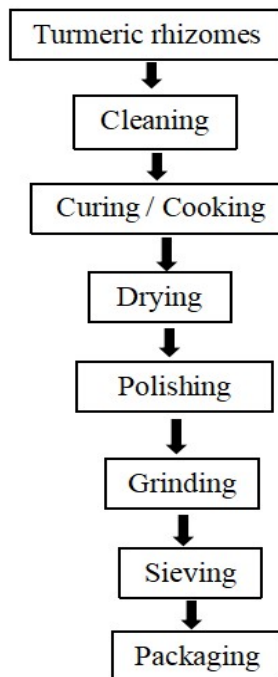
6. Description of product related to Income Generating Activity-

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 the turmeric had been dug up from the ground, the leaves had been cut off of the plant, and the roots had been properly washed to get rid of any contaminants. The rhizomes and branches are separated, covered in leaves, and left for a day to sweat. Leaf scales and lengthy roots are then pruned off.

❖ Curing

Turmeric is processed to produce the dry form. The rhizomes were then rinsed off and boiled in water before being dried in the sun. The rhizomes are boiled for 45–60 minutes until they become soft. Boiling typically comes to a stop when white vapours with a familiar odour start to develop. The colour and flavour of the finished product are greatly influenced by the point at which the boiling is stopped.

❖ Drying

The turmeric must next be dried after curing. Using bamboo mats or a drying floor, spread a layer of turmeric that is 5-7 cm thick and let to dry in the sun. It takes 10 to 15 days for the proper drying. The turmeric is covered with a substance that allows for aeration at night.

❖ Polishing

It has a harsh, dull exterior after drying, along with scales and root bites. The look will be improved by polishing, and for this purpose primarily mechanical and hand rubbing techniques were used.

❖ Coloring

The color of turmeric matters a lot. As the price is 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. To maintain the quality of the product, it is stored in dry storage and away from the light, so that it doesn't lose the required 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	
2	Distance from the unit	
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	Market strategy of the product	SHG members will directly sell their products through village shops and from manufacturing place/shop. Also by retailer, wholesaler of near markets. Initially products will be sold in 5.1 and 0.5 Kg packaging.
6	Product branding	At CIG/SHG level product will be marketed by branding CIG/SHG. Later this IGA may require branding at cluster level.
7	Product "slogan"	

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	100 Kg	100	10,000
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	10,000
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	5000
Total Capital Cost (A) =		98,000		

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					
Sr. 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	10,000	10,000
Total Recurring Cost (B) = 66,200					

C. Cost of production		
S. No.	Particulars	Amount
1	Total recurring cost	66,200
2	10% depreciation annually on capital cost	9800
Total = 76,000		

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	9800
2	Total Recurring Cost	66,200
3	Total Production (Kg)	1000
4	Selling Price (per Kg)	200
5	Income generation (200×1000)	2,00,000
6	Net profit (200000 - 66200)	1,33,800
7	Gross profit = Net Profit + Cost of raw material + Labour cost	=1,33,800 + 50,000+10,000 =193,800
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	98,000	73,500	24,500
2	Total Recurring Cost	66,200	0	66,200
3	Training/capacity building/skill up-gradation.	70,000	70,000	0
Total		2,34,200	1,43,500	90,700

15. Sources of Fund -

Project support	<ul style="list-style-type: none"> ✧ 50% of capital cost will be provided by project if the group belongs to general category and 75% if from other category. ✧ 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"> ✧ 50% of capital cost to be borne by SHG if belongs to general category and if from other category then 25%. But members belongs to low income group and they can contribute 25% and project has to bear remaining 75%. ✧ 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))

=98,000/ (200-80)

=817 Kg

In this process break-even will be achieved after selling 817 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 belong 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:



Neema Kumari



Savita Devi



Kaushalya Devi



Kanta Devi



Savitri Devi



Suji Devi



Rupa Devi

22. Group Photograph:



Resolution-cum-Group-consensus Form

It is decided in the General house meeting of the group Kalpna SH.G held on 1-07-2022 at Jimjima that our group will undertake the Haldi Cultivation & Processing Livelihood Income Generation Activity under the Project for Implementation of Himachal Pradesh Forest Ecosystem management and Livelihood (JICA assisted).

Signature Of group President

Savitri Devi
अध्यक्ष
कल्पना स्वयं सहायता समूह गण्डोखर
डाक. बुल, तह. जो. नगर, जिला मण्डी (हि.प्र.)

Signature Of group secretary

Savitri Devi
रुपादेवी
अध्यक्ष
कल्पना स्वयं सहायता समूह
डाक. बुल

Savitri Devi
सचिव
मण्डी (हि.प्र.)

Signature of President VFDS

[Signature]
प्रधान
ग्राम वन विकास समिति जिमजिमा
ग्राम पंचायत जिमजिमा
तह. जो. नगर जिला मण्डी (हि.प्र.)

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

Business Plan Approval by VFDS and DMU.

Kalpna S.H.G. Group will undertake the Haldi Cultivation & Processing 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. 2,31,200 has been submitted by the group on 1-07-2022 and the Business Plan has been approved by VFDS Jimjima.

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

Thank You.

Signature Of group President

रुपा देवी Savitadevi
कल्पना स्वयं सहायता समूह
डाक. दुल, तह. जो. नगर, जिला मण्डी (हि.प्र.)

Signature Of group secretary

रुपा देवी Savitadevi
अध्यक्ष सचिव
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Signature of President VFDS

प्रधान
ग्राम वन विकास समिति जिमजिमा
ग्राम पंचायत जिमजिमा
तह. जो. नगर जिला मण्डी (हि.प्र.)

Approved
D.M.U.-Cum-
Divisional Forest Officer
Joginder Nagar
DMU cum DFO Joginder Nagar

