

## BUSINESS PLAN FOR BEE KEEPING

INCOME GENERATING ACTIVITY – Food Processing (Bee Keeping)

by

**Saraswati - Self Help Group (Bharandi)**



SHG/CIG Name	::	Saraswati (Bharandi)
VFDS Name	::	Bharandi
Range	::	Koti
Division	::	Shimla

**Prepared Under –**



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

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## 1. Description of SHG/CIG

1	SHG/CIG Name	::	Saraswati	
2	VFDS	::	Bharandi	
3	Range	::	Koti	
4	Division	::	Shimla	
5	Village	::	Bharandi	
6	Block	::	Mashobra	
7	District	::	Shimla	
8	Total No. of Members in SHG	::	9 - females	
9	Date of formation	::	January 2023	
10	Bank a/c No.	::	45110108379 IFSC code=HPSC0000451	
11	Bank Details	::	HP State Cooperative bank Koti	
12	SHG/CIG Monthly Saving	::	100/-	
13	Total saving	::	4500/-	
14	Total inter-loaning	::	Nil	
15	Cash Credit Limit	::	Nil	
16	Repayment Status	::	Nil	

## 2. Beneficiaries Detail:

Sr.No	Name	Father/Husb and Name	Age	Category	Income Source	Address
1	Krishna Thakur President	Rakesh	52	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
2	Shama Thakur Secretary	Hardev	42	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
3	Nita Devi Treasurer	Sanjeev	42	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
4	Geeta	Surender	40	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt.
5	Sushma	Dinesh	42	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
6	Usha	Sunil	37	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
7	Kanta	Sanjeet	44	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
8	Sarita	Jagdish	41	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla
9	Shanta	Shishupal	39	Gen	Agriculture	Vill.Bharandi P.OKotiTeh. JungaDistt. Shimla

### 3. Geographical details of the Village

1	Distance from the District HQ	::	35 km
2	Distance from Main Road	::	5Km.
3	Name of local market & distance	::	Koti 5 Km, Chail 10 Km.
4	Name of main market & distance	::	Shimla, 35 Km
5	Name of main cities & distance	::	Shimla, 35Km
6	Name of main cities where product will be sold/ marketed	::	Dhalli, Kufri, Shimla

### 4. Executive Summary

Honey farming income generation activities has been selected by Saraswati self-help group (Bharandi). This IGA will be carried out by nine ladies by this SHG. This activity is being already done by some ladies of this group. This business activity will be carried out whole year by group member. The process of honey production takes around 75 to 90 days. 3Kg of honey will be obtained of one box. The selling price of 1Kg of honey will be around Rs. 500 per Kg.

### 5. Description of Product related to Income Generating Activity

1	Name of the Product	::	Honey
2	Method of product identification	::	The group along with JICA staff held many meetings to identify the livelihood activity and discussed on some issues like Geographical situation of the area ,climate, available flora and fauna in the area , skill for preparation of product,marketing status and then all SHG Members agreed to adopt "Bee Keeping" with 5 box each member initially and later on the box will be increased. More product of similar process like sericulture will

			also be added later on.
3	Consent of SHG members	::	All SHG members are agreed and passed resolution with all consent.

#### 6. Description of Production Processes

- Group will process honey prepared by honey bees. This business activity will be carried out whole year by group members.
- The process of honey/Bee farming is 75 to 90 days. Production process includes cleaning of box harvesting of honey and packing in glass jar.
- Initially group will obtained 1.35Qtl.honey in every three month from 45 boxes @ 3 kg per box and in future group will increase the numbers of boxes as per demand of product .The SHG will also make wax honey from the honey comb and bee venom later on. Sericulture will also be added in IGA later on .

#### 7 .Description of Production Planning

1	Production Cycle (in days)	::	75-90 days
2	Manpower required per cycle (No.)	::	9 Ladies
3	Source of raw materials	::	Adjoining forest/ farmers field & orchards flowers.
4	Source of other resources	::	Medicinal flowers in the forest
5	Quantity required per cycle (Kg)	::	3 Kg. every 75 to 90 days per box
6	Expected production per cycle (Kg)	::	3 Kg. per box total 1.35Qtl. Every 75-90 days duration.

#### 8.Requirement of raw material and expected production

The group required 50 Honey boxes initially @ 5 box for each member .No other major raw material is required because the honey beesgenerally extract honey from the existing flora and fauna in the area . The expected yield is given below.

Sr.no	Raw material	unit	Time	Quantity	Amount per kg (Rs)	Total amount	Remarks
1	Honey Boxes	45 No	75-90 days	1.35Qtl.	Rs.500/-	Rs.67500	

#### 9.Description of Marketing/ Sale

1	Potential market places	Koti and Chail
2	Distance from the unit	Both 5-10 km.

3	Demand of the product in market place/s	Sufficient local demand. Excess produce after meeting with the local demand, will be sold in the Shimla market through Himira shop and other kariyana retailers.
4	Process of identification of market	Group members, according to their production potential and demand in market, will select/list retailer/whole seller. Initially product will be sold locally and in the nearby markets.
5	Marketing Strategy of the product	The product will be sold in 250 gram, 500 gram and 1 kg packing in glass jars of the same capacity .
6	Product branding	Initially, product will be sold with the SHG name branding with JICA logo. Later on it will be sold on cluster level branding.
7	Product "slogan"	"A product of SHG Saraswati"

## 10. SWOT Analysis

Strength –

- Activity is being already done by some SHG members
- Raw material easily available
- Bee keeping process is simple
- Proper packing and easy to transport
- Product shelf life is long
- ❖ Weakness –
  - Effect of temperature, humidity, in flowering season.
  - Highly labor intensive work.
  - In winter and rainy season product manufacturing cycle will increase
- ❖ Opportunity –
  - High demand in winter season because of its medicinal value for the cure of cough and cold.
  - Market is at a small distance and the transportation charges will be small.
  - All most every house hold kept the honey in his house for use as medicine as and when required .Hence;the demand of honey is sustained.
- ❖ Threats/Risks –
  - Effect of temperature, moisture at time of flowering and packaging particularly in winter and rainy season.
  - The loss of flowering of flora and fauna due to hail storm and heavy rain which resulted in reduction of honey production.
  - Competition with branded companies product available in the market in attractive packing.

## 11. Description of Management among members

By mutual consent SHG group members will decide their role and responsibility to carry out the work. Each member will look after 5 honey boxes and also extract honey individually .The honey so extracted by each member, will be collected after

weighing at a one place where it will be packed in jars of different capacity jointly by all . The produce there after supplied to market .The profit obtained thereafter will be divided amongst all members according to their production.

## 12. Description of Economics:

<b>A. CAPITAL COST</b>				
<b>Sr.No</b>	<b>Particulars</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Amount (Rs.)</b>
1	Apismalifera Bees with colony	45	3200	144000
2	Honey extractor	1	4480	4480
3	Honey extractor tray	1	2800	2800
4	Smoker	9	450	4050
5	Bee vails	9	100	900
6	Bee Hive tool	9	50	455
7	Queen Cage	1(Combo)	400	400
8	Brush	9	200	1800
9	Gloves	9	200	1800
10	Bucket	9	300	2700
11	Polan Trap	9	400	3600
<b>Total Capital Cost (A) =</b>				<b>1,66,985/-</b>



B. RECURRING COST (Annual)					
Sr.no	Particulars	Unit	Quantity	Rate	Total Amount (Rs)
1	Labour (will be done by SHG members)	-	-	-	-
2	Yearly consumption of Sugar by bee (chemical free)		5	1600	8,000/-
3	Yearly requirement of glass jars for packing	L/S	L/S	L/S	6,000/-
4	Repair and maintenance	L/S	L/S	L/S	300/-
5	Carriage and cartage	L/S	L/S	L/S	300/-
6	Miscellaneous expenditure (Stationary, Billbook , Receipt book etc.)	L/S	L/S	L/S	500/-
		<b>Total</b>			<b>15,100/-</b>

C. Cost of Production (Annually)		
Sr. No	Particulars	Amount (Rs)
1	Total Recurring Cost one cycle =15,100/-	15,100/-
2	10% depreciation annually on capital cost	16,699 /-
	Total annual recurring cost.	47,513/-

D. Analysis of Income and Expenditure Annual						
Sr.No	Particulars	Unit	Quantity	Rate	Amount (Rs)	Remarks
1	Cost of Production 1 cycle =1.35qtl *3 cycle = 4.05qtl	Kg	405kg	72/-	29,160/-	Excluding labour cost which will be done by group members
2	Expected Selling cost of the product 1 cycle = 1.35 qtl *3 cycle=4.05qtl	Kg	405 kg	500/-	2,02,500/-	Depend on decrease and increase of market rate

3	Annually income to the SHG including labour cost	Kg	405kg	428/-	1,73,340/-	Labour done by the group members will be met with out of annual income.
4	Per member income Annual	Nos.	9	19,260/-	1,73,340/-	Every member will get 19,260/- Annually including their Labour.

### 13 .Fund requirement:

Sr.No	Particulars	Total Amount (Rs)	Project Contribution	SHG Contribution
1	Total capital cost	1,66,985/-	1,25,239/-	41,746/-
2	Total Recurring Cost	15,100/-	--	15,100/-
3	Trainings/capacity building/ skill up-gradation	50,000/-	50,000/-	--
	<b>Total</b>	2,32,085/-	1,75,239/-	56,846/-

#### Note-

- **Capital Cost** - 75% of capital cost to be covered under the Project being a S.C group
- **Recurring Cost** - To be borne by the SHG/CIG.
- **Trainings/capacity building/ skill up-gradation** - To be borne by the Project

#### 14.Sources of fund:

Project Support;	<ul style="list-style-type: none"> <li>• 75% of capital cost will be provided for purchase of Bee Keeping Boxes, Honey Processing Machine, Smoke provider and other equipment's by the project.</li> <li>• Rs 1 lakh as revolving fund will be parked in the SHG bank account by the project.</li> <li>• Trainings/capacity building/ skill up-gradation cost will be borne by the project.</li> </ul>	Procurement of machineries/equipment will be done by respective DMU/FCCU after following all codal formalities.
SHG contribution	<ul style="list-style-type: none"> <li>• 25% of capital cost to be borne by SHG, this include cost of materials/tools other than machineries.</li> <li>• Recurring cost to be borne by SHG</li> </ul>	

## 15. Trainings/capacity building/skill up-gradation

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

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

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

## 15. Computation of break-even Point

Capital Cost = 1,66,985/-

Production Cost Per Kg=72/-

Selling price Per Kg = 500/-

Profit in 1 Kg =428/-

Breakeven point = 1 Year

Note:- After sale of 4.05qtl. of honey ,the breakeven point can be achieved after 1 year.

## 17 .Other sources of income:

Income from wax and Bee venom.

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.

Monitoring Method – At the initial stage baseline survey and yearly survey will be conducted of the beneficiaries.

Some key indicators for the monitoring are as:

Size of the group

- Fund management
- Investment
- Income generation
- Production level
- Quality of product
- Quantity sold
- Market reach

**Group Photo of Saraswati SHG VFDS Bharandi**



**Resolution-cum-Group Consensus Form**

It is decided in the General House meeting of the group Saraswati held on 18-05-23 at Bharauli that our group will undertake the Beekeeping as Livelihood Income Generation Activity under the Project for Improvement of Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted).

K. S. Shree

Signature of Group Pradhan

सरस्वती ग्राम सहायता समूह  
भराणडी पंचायत

Sharma

Signature of Group Secretary

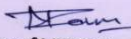
प्रधान सचिव  
सरस्वती ग्राम सहायता समूह  
भराणडी पंचायत


**Business Plan Approval by VFDS**

Saraswati..... group will undertake the Bee keeping..... as  
Livelihood Income Generation Activity under the Project for Improvement of  
Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted).  
In this regard Business Plan of amount (Rs) 9,32,085/-.....has been  
submitted by this group on dated 18-05-23 and this business plan has been  
approved by Bhargava.....VFDS.

Business Plan with SHG resolution is being submitted to DMU through FTU for  
further action, please.

Thank you

  
Signature of VFDS Pradhan

  
Signature of VFDS Secretary



Submitted to DMU through FTU

  
Name & Signature of FTU Officer  
RANGE FOREST OFFICER  
KOTI FOREST RANGE

  
Pratibha Sharma  
Name & Signature of FTU Coordinator

Approved

  
Name & Signature of DMU Officer  
DFO-cum-DMU OFFICER  
JICA FORESTRY Project  
SHIMLA