

# 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	::	10- 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	::	12000/-	
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.BharandiP.O KotiTeh. JungaDistt. Shimla
2	Shama Thakur (Secretary)	Hardev	42	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
3	Nita Devi (Treasurer)	Sanjeev	42	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
4	Geeta	Surender	40	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt.
5	Sushma	Dinesh	42	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
6	Usha	Sunil	37	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
7	Kanta	Sanjeet	44	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
8	Sarita	Jagdish	41	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
9	Shanta	Shishupal	39	Gen	Agriculture	Vill.BharandiP.O KotiTeh. JungaDistt. Shimla
10	Lata Thakur	Mahinder Pal	35	Gen	Agriculture	Vill.BharandiP.O KotiTeh. 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	::	Dhali, 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. 5Kg 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 obtain 2.50 Qtl. honey in every three months from 50 boxes @ 5 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.)	::	10 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)	::	5 Kg. every 75 to 90 days per box
6	Expected production per cycle (Kg)	::	5 Kg. per box total 2.50 Qtl. 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 bees generally 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	50 No	75-90 days	2.50 Qtl.	Rs.500/-	Rs.125000	

#### 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 o 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:

A. CAPITAL COST				
Sr.No	Particulars	Quantity	Unit Price	Total Amount (Rs.)
1	<i>Apis mellifera</i> Bees with colony	50	4000	200000
2	Bee Box (Empty Box)	10	1000	10000
2	Honey extractor	1	4480	4480
3	Honey extractor tray	1	2800	2800
5	Honey Extraction Net	1	1600	1600
4	Smoker	2	450	900
5	Bee veils	10	100	1000
6	Bee Hive tool	10	50	500
7	Queen Cage	10	5	50
8	Brush	10	70	700
9	Gloves	10	150	1500
10	Bucket	10	120	1200
11	Polan Trap	10	200	2000
	<b>Total Capital Cost (A) =</b>			<b>226730/-</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)		1600	44	74000/-
3	Yearly requirement of glass jars for packing	L/S	250	30	15000/-
4	Repair and maintenance	L/S	L/S	L/S	5000/-
5	Carriage and cartage	L/S	L/S	L/S	7500/-
6	Miscellaneous expenditure (Stationary, Billbook, Receipt book etc.)	L/S	L/S	L/S	1500/-
		<b>Total</b>			<b>1,03,000/-</b>

C. Cost of Production (Annually)		
Sr. No	Particulars	Amount (Rs)
1	Total Recurring Cost one cycle =15,100/-	103000/-
2	10% depreciation annually on capital cost	22673/-
	Total annual recurring cost.	1,25,673/-

D. Analysis of Income and Expenditure Annual						
Sr.No	Particulars	Unit	Quantity	Rate	Amount (Rs)	Remarks
1	Cost of Production 1 cycle =2.50qtl *3 cycle = 7.50qtl	Kg	750kg	137/-	1,02,750/-	Excluding labour cost which will be done by group members
2	Expected Selling cost of the product 1 cycle = 2.50qtl *3	Kg	750 kg	500/-	375000/-	Depend on decrease and increase of market rate

	cycle=7.50qtl					
3	Annually income to the SHG including labour cost	Kg	750kg	363/-	2,72,250/-	Labour done by the group members will be met with out of annual income.
4	Per member income Annual	Nos.	10	27225/-	2,72,250/-	Every member will get 27225/- Annually including their Labour.

### 13 .Fund requirement:

Sr.No	Particulars	Total Amount (Rs)	Project Contribution	SHG Contribution
1	Total capital cost	226730/-	1,70,048/-	56682/-
2	Total Recurring Cost	1,25,673/-	--	1,25,673/-
3	Trainings/capacity building/ skill up-gradation	50,000/-	50,000/-	--
	<b>Total</b>	4,02,403/-	2,20,048/-	1,82,355/-

#### 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 = 2,26,730/-

Production Cost Per Kg=137/-

Selling price Per Kg = 500/-

Profit in 1 Kg =363/-

Breakeven point =1 Year

Note:- After sale of 4.05 qtl. 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**



आज दिनांक 28-12-2023 को सरस्वती समूह की बैठक का आयोजन थराण्डी गाँव में किया गया। जिसकी अध्यक्षता समूह की प्रधान श्रीमती कृष्णा जी ने की। बैठक में समूह की सभी सदस्यों ने भाग लिया। आज की बैठक की कार्यवाही इस प्रकार रही।

बैठक में वार्षिक योजना की दोबारा से Revise किया गया क्योंकि पहले वार्षिक योजना में सामान की जो कीमत दर्शाई गई थी वह कम है जिसकी जानकारी हमें प्रशिक्षण के दौरान प्राप्त हुई। इसके अनतिरिक्त पहले हमारे समूह में 9 महिलाएँ थी जो कि अब बढ़कर 10 हो चुकी हैं। पहले वार्षिक योजना की पूंजी लागत 16698500 थी जो कि अब बढ़कर 22673000 हो गई है। इसलिए वार्षिक योजना को समूह द्वारा सर्वसहमति से पारित किया जाता है। वार्षिक योजना को ग्रामीण वन विकास समिति के समक्ष अनुमोदन के लिए प्रस्तुत किया जाएगा।

Krishna  
प्रधान  
सरस्वती स्वयं सहायता समूह  
थराण्डी पंचेची  
Shanay .  
सचिव

(Revised)

**Resolution-cum-Group Consensus Form**

It is decided in the General House meeting of the group Saraswati held on 28/12/2023 at Bherandi that our 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).

*KASHNEER*  
Signature of Group Pradhan  
प्रधान  
सरस्वती स्वयं सहायता समूह  
भराण्डी पधेची

*Shamey*  
Signature of Group Secretary  
प्रधान सचिव  
सरस्वती स्वयं सहायता समूह  
भराण्डी पधेची

(Revised)

**Business Plan approved by VFDS**

.....Saraswati.....SHG group will undertake.....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 ₹.....4,02,402...../- has been submitted by this group  
on dated.....28/12/2023.....and this Business Plan has been approved by  
VFDS.....Bharandi.....

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

  
President  
Village Forest Development Society  
Board

Signature of VFDS President

  
Secretary  
Village Forest Development Society

Signature of VFDS Secretary




Submitted to DMU through FTU

  
Name & Signature of FTU Officer  
RANGE OFFICER  
KOTI FOREST RANGE

  
Name & Signature of FTU Coordinator

Approved

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