



Himachal Pradesh
Forest Department



Income generation activity
Business planning
and pickling of mushrooms and its value addition
2022



Rural Forest Development Committee Niharkhan Basla Ka Jai Bhole Shankar Self Help Group

Name of the self-help group	: : :	Jai Bhole Shankar 's Self Help Group
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	: : :	
	: : :	
Name of Rural Forest	: : :	Niharkhan Basla

Development Committee	: : :	
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	: : :	
	: : :	
	: : :	
	: : :	
	:	
Name of the Field Technical Unit	,	Namhol
Name of DMU/ Forest Division	,	Bilaspur
FCCU/Circle	,	Bilaspur
Sponsored by HPV & ASU P JICA	prepared by:– DMU Bilaspur , FTU Sadar and Jai Bhole Shankar Self Help Group	

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Introduction

Himachal Pradesh is a majestic , mythical land and is famous for its beauty and serenity , rich culture and religious heritage. The state has diverse ecosystems , rivers and valleys , and has a population of 7.5 million and covers an area of 55,673 sq km ranging from the foothills of the Shivalik mountains to the middle hills (300 - 6816 m above MSL) , high hills and the cool arid regions of the upper Himalayas . It is spread over valleys in which several perennial rivers flow. About 90% of the state's population lives in rural areas. Agriculture , horticulture , hydropower and tourism are important components of the state's economy. There are 12 districts in the state and it comprises 14.58% of the population Bilaspur Second is the district.

This district is situated in central Himachal and is famous for its tourist places and Himalayan tours , the Himalayan tour routes from Bilaspur district connect Kullu , Shimla , Solan , Mirpur and Kangra districts, these districts border Bilaspur district on the west and south, north-northeast and east respectively.

This district is famous for ancient settlements , traditional handloom and cultivation of wheat and maize

Bilaspur city is situated on the banks of Govind Sagar Lake , the people of Bilaspur are known for their hard work .

Forests and forest ecosystems are repositories of rich biodiversity , and play a vital role in preserving fragile sloping lands and were the primary sources of livelihood for the rural population. Rural people are directly dependent on forest resources for their livelihood and socio-economic development. The harsh reality is that these resources are continuously depleting due to overexploitation such as for fodder , fuel , NTFP extraction, grazing , fire and drought etc.

self help groups have been formed to implement livelihood improvement activities under Jai Bhole Shankar Gramin Vikas Samiti . One of them is " Jai Bhole Shankar " Self Help Group, which is engaged in mushroom cultivation and pickle making and its value addition . The group members belong to the weaker sections of the society and have small land holdings. To enhance his socio-economic status , he decided to produce mushrooms. Technical support for preparing the business plan was provided by Dr. Pankaj Sood , Principal Scientist , Dr. Kavita Sharma and DS Yadav , Krishi Vigyan Kendra Bilaspur , Bilaspur . Office of Forest Division Bilaspur , Madhu Field Technical Unit Coordinator, Brahmapukhar Range, Shri Banke Ram Forest Guard , Brahmapukhar Beat and Forest Division Officer, Forest Division Bilaspur were involved in the preparation of the business plan under the constant supervision and guidance of Ved Prakash Pathania, retired HPVSE .

executive Summary

Jai Bhole Shankar Forest Rural Development Committee:–

Jai Bhole Shankar Gramin Van Vikas Samiti is part of revenue mahal Jai Bhole Shankar and Van Vikas Samiti Jai Bhole Shankar is constituted in Gram Panchayat Niharkhan Basla . It is located in Barhampukhar Block of Bilaspur District in Himachal Pradesh Jai Bhole Shankar Gramin Van Vikas Samiti falls under Namhol Beat of Barhampukhar Block under Sadar Forest Range in Bilaspur Forest Division Management Unit (DMU) .

Important features of VFDs:–

This area is famous for urad, off-season vegetables, ginger, pomegranate seeds, lemon and walnut .

Number of families	159
BPL families	16=10.01%
total population	412
totalcattle	266

Details of Self Help Group

Jai Bhole Shankar Mataswayam Help Group was formed in March 2021 under Jai Bhole Shankar Van Gramin Vikas Samiti to provide livelihood improvement support by upgrading skills and capacities. The group comprises poor and marginal farmers.

Jai Bhole Shankar Mata Self Help Group is a women's group (thirteen women) consisting of members from the marginalized and financially weaker sections of the society with less land resources . Though all the members of the group grow seasonal vegetables etc. but since the land of these members is very small and irrigation facility is less and the production level has reached near saturation , to meet their financial requirements they decided to do mushroom farming which can increase their income. There are 13 members in this group and their monthly contribution is Rs 100 /- per month. The details of the group members are as follows : -

SHG members details with photo :-



श्रीमती अंजना देवी (उपस्थ.)



श्रीमती सुरेश देवी : सचिव :



श्रीमती आशा देवी (कोषाध्यक्ष)



श्रीमती अनिता देवी (सदस्य)



श्रीमती रीमा देवी (सदस्य)



श्रीमती आशा देवी (सदस्य)



श्रीमती राजा देवी (सदस्य)



श्रीमती पिकी देवी (सदस्य)



श्रीमती रमिला देवी (सदस्य)



श्रीमती निशा देवी (सदस्य)



श्रीमती रंजना देवी (सदस्य)



श्रीमती निशा देवी (सदस्य)



श्रीमती तारा देवी (सदस्य)

Self Help Group Jai Bhole Shankar , Niharkhamsala

Name of the self help group	,	Jai Bhole Shankar
SHG/CIG MIS Code Number	,	,
Name of the Rural Forest Development Committee	,	Niharkhan Basla
Name of the Field Technical Unit	,	Sadar
Name of DMU/Forest Division	,	Bilaspur
Village	,	Niharkhan Basla
Section	,	brahmapukhar
District	,	Bilaspur
Total number of members in the self help group	,	13
Date of formation	,	01/03/2021
Name and details of the bank	,	HP State Cooperative Bank
Bank Account Number	::	12510108797
SHG/monthly savings	::	Rs. 100 /- month
Total Savings	::	24497
Total inter-debt	::	before
Cash Credit Limits	::	-
Failure Status		Quarterly Basis

Geographical description of the village

away from district headquarter	,	22 km
Distance from the main road	,	1 (but 100 to 200 meters from the main road) approx
and distance of local market	,	Bilaspur 21 Km.
Names and distances of major cities	,	Bilaspur 22, Brahmapukhar 7 km.
Names of major cities where The products will be sold/marketed	,	Brahmapukhar, Bilaspur
status of previous and upcoming episodes	,	The back link lies in training (Krishi Vigyan Kendra), Compost Bag Span (Horticulture Department) and the front link lies in market suppliers etc.

Description of the product related to the income generating activity

Product Name	,	The group will be involved in production of button mushroom and dhingri under controlled environment
Method of product identification	,	Although members of the entire group grow seasonal vegetable crops. As their land holding is very small , the production has reached saturation point , hence they are not able to meet their financial requirements , hence it was decided by the group members that mushroom cultivation, pickle making and its value addition will increase their income. Apart from this they usually go to sell their vegetable crop in Brampukhar \ Bilaspur market . The market links already exist. They will not have to spend extra time and money for marketing the mushrooms .
Consent of SHG/CIG/ Group	,	The consent is attached as annexure.

production processes

Training for mushroom cultivation has been arranged by the JICA project in Bilaspur . The entire cost of training with spot demonstration is borne by the JICA project.

decided to start work with button mushroom production initially , as the training has been completed during February and the start of training will be by March. April / May , June / July Months after 1943 These are more suitable for the cultivation of this mushroom. 250 compost spawn added bags will be purchased and installed in a rented/rented room.

Three tier wooden/bamboo rack fitting , along with two exhaust fans one for fresh air and other at the bottom to exhaust the internal air will be installed. One ceiling fan to reduce the room temperature and another (heat blower) to increase the room temperature , A dry and wet thermometer will be installed in the hall to maintain the

required room temperature. The room will be washed and cleaned with formalin (5 ml/litre) two to three times before loading the bags . Two crops of button mushroom and Dhingri of two crops (70 to 75 days cycle for each) with business plan (August to February are the best months for button mushrooms and March to July for dhingri) This plan has been prepared after discussion and participation with the group. The group members will work for 1 hour daily , half an hour in the morning and half an hour in the evening.

Description of the production plan:

Production cycle (75 days)	,	<p>Button mushroom cultivation can be done from September to March in Bilaspur district. After putting the spawn in the compost bag, it takes 30 to 40 days for the mushrooms to get pinup heads . three flushes after that A total of 75 days are required to harvest three flushes of mushroom crop. The production cycle of a crop will be of 75 days. Four crop cycles will be repeated in a year as per the details given below:-</p> <p>First crop of Dhingri mushroom (from February to April = for 75 days)</p> <p>Second crop of Dhingri mushroom (May to end of July).</p> <p>Third crop of button mushroom (September to November = 75 days)</p> <p>Fourth crop of button mushroom (November to January = 75 days)</p>
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Manpower Requirement (Numbers)	,	<p>Initially the whole group will work together to install/build the racks , clean the room and transport the compost bags across the road to the production sites. After this, for the first 30 days 2 persons will work for 1 hour (1/2 hour in the morning and 1/2 hour in the evening) in rotation for cleaning , humidification , temperature regulation etc.</p> <p>4 persons 3 hours for harvesting , soiling , caging , cleaning , weighing and packing for next 31 to 75 days.</p> <p>Marketing hours are not included as one of the members will regularly sell mushrooms along with vegetables in the market.</p> <p>4 people making compost will work for 2 days and 2 hours.</p> <p>Total labour work will be 706 hours , if we divide it by 8 (hours) then it will become 88 days and multiplying it by the wage rate of Rs 300 /day, we get the cost of labour 26400 Rupees come out.</p>
Source of raw materials	,	Horticulture Department , Palampur and Solan District Of Himachal Pradesh. Generally all the material is available in Sundarnagar KVK.
source of other Resource.	,	- above -
<p>(i) Quantity required for button mushroom (75 days)</p> <p>(ii) Dhingri a circle Of For Required quantity i.e. 75 days</p>	,	<p>250 Compost Spawn Bags , Formalin , 200 ml , Bavistin 100 gm , Packing material (polythene sleeves) 3 kg.</p> <p>For the Dhingri Spawn : 25 kg , Wheat Or straw of other crop: 500 kg , Formline: 2 liters , Bavistin: 100 grams , Polysheet: 1 300 Transparent Polythene Bags for Dhingri Manure , Polythene Sleeves 5 Kg (3 Kg for new and 2 Kg for replacement of torn bags)</p>

Expected production in 75 days	,	<p>Dhingri :- Average production of Dhingri from one bag of compost is about 1.6 kg. Yield for 250 bags 400 kg it will be dingy</p> <p>Button Mushrooms , The average production of mushrooms from a bag is 2.0 kg / 1 bag = 2.0 kg 250Bags x 2.0 kg.= 500 Kg ,</p>
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Marketing / Sales Details

Potential market space	,	Bilaspur.
Distance from unit	,	Bilaspur 22 km long , Nauni 12 km long, Berhampukhar 7 km long, Jukhala 3 km long, approx.
Demand for the product in the market		There is demand for mushrooms throughout the year.
Market Identification Process	,	Bilaspur has a well established vegetable market ,
Impact of weather on the market.	,	Mushrooms are delicious in all seasons and are in high demand throughout the year. However , the demand increases more during summer and wedding ceremonies.
potential buyers of the product.	,	Potential market buyers are Hospitals , Hotels , Hostels , Shops , Local residents/ Marriages and other formal occasions etc.
potential consumers in the region.	,	All health conscious citizens / families.
Marketing mechanism of the product.	,	Daily supply and batch of mushrooms based on demand in the market with local vegetables The Bilaspur market We will sell them in the open market as well ,
Marketing strategy of the product.	,	Initially the group will approach all the vegetable retailers of Bilaspur city , then as the production increases , retailers of Bilaspur market will also be approached to sell their produce on net rate or on commission basis.

Product branding.	,	" Jai Bhole Shankar Fresh Mushrooms".
Product slogan	,	" Eat mushrooms and stay healthy."

Management details among members

After receiving training, all the members will divide their labour amongst themselves while managing the daily work , marketing and keeping themselves connected with the department and Rural Forest Development Committee .

SWOT Analysis

Description / Item	,	Description
Strength	,	All members of the group are like-minded and adapt to the local and social environment. Production cost is low , the product is of high quality and demand , growing cycles are short , production will be all year round. Readymade compost bags are available with the Horticulture Department in Palampur and Solan. Training and exposure will be organized by JICA Forestry Project for SHG financial assistance.
weakness	,	New self help group , lack of experience in mushroom production/farming.
Opportunity	,	Demand is high and returns are high.
hazard	,	conflicts within the group , lack of transparency and lack of ability to take major risks

of potential hazards and Ways to reduce them

potential risk	,	remedy to do to reduce For them.
at the same time Destroy harmful infection product can do	, ,	First of all keep your hands clean by washing them And wash your feet with soap and then dip them in formalin solution Entering the room. Only 2 to 3 persons will enter the room with full kit (cap,

2. Temperature Maintenance and control		gloves , apron etc.). Spray regularly to avoid fungal attack. With the help of the thermo meter the required
3. Market santripta	,	temperature will be maintained with the given equipment. for value addition dry mushroom , Mushroom pickle , soup and other products etc. will be prepared .
Internal conflict in the group , transparency	,	To eliminate conflict the cause must be dealt with at an early stage . exposure to all members of the group , equal sharing of benefits, need to give respect and honour to every member .
market		There are always fluctuations in the market ; demand and supply always vary. Therefore members continue to explore new markets and buyers.
Production	,	Production will be increased gradually according to the market

Project Description of the economics of the

First cycle:

project cost	Amount Rooms
Capital Cost	
Construction of three tire wooden/bamboo rack fitting	15,000
Ceiling Fan(1 No)	2500
Exhaust Fans (2)	3000
Room heat/blower/	1500
Dry and Wet Thermometer (1 Set)	1000
Electronic Weighing Machine (1no)	900
Hot Plastic Roof Rod (1no)	800
Lightweight Spray Pump (1no)	1800
Sharp Knife Set No. (1 Set)	75
Scissors , (2 nos)	400
Trays/Baskets (6 Nos)	600

Fruit Crate (4 Nos .) .	2400
Water tanks 1000 liters 1 no. including rent	8000
Water and electricity fittings material and charges	4000

Dryer	16000
Grinder	10000
Miscellaneous expenses	3000
total capital cost	70975
Recurring cost for 1st cycle (75 days)	
Cost of renting room 1 hall (mushroom growing unit) @ Rs. 1000/ month. (3 months) =	3,000
Formalin	600
Labour wages 88 days=(@Rs 300 / day)= □ 26400	26400
Dhingri Compost Bags 250 nos @ Rs.40 per bag and other raw materials including rent	10000
Packaging (packaging materials etc.)	3000
Rent	1000
Electricity and water usage charges @ Rs 1000 per month	3000
Miscellaneous Expenses (Stationery , Bill Books , Receipts etc.)	1500
Recurring cost of one cycle= B1+B2+B3+B4+B5+B6+B7+B8	485 00
Total project cost (A+B)= 70975+ 485 00=119475	119475

Cost Benefit Analysis First Cycle:–

Specific	Unit	Quantity/No	expressions	Amount (Rupee.)
10% on capital cost	month	3	10%	1750
Recurring cost for 3 months				
Room rental price 1 hall (mushroom growing unit) @ Rs. 1000/ month. (3 months)	month	3	1000	3,000
Each bottle containing 250 Formalin.	No	2 bottles	300	600
Labour wages 88 days =(@ Rs 300/ day) = Rs 26400	Day	88	300	26400
Dhingri Manure Bags 250 No @ Rs. 40 per bag and other raw material including cart	No	250	40	10000
Packaging (packaging materials	Kilogram	5	600	3000

etc.)				
Traffic payment	,	,	,	1000
Electricity and water usage charges @ Rs 1000 per month	month	3	1000	3000
Miscellaneous Expenses (Stationery , bill books , receipts etc.)		L/S	,	1500
Total				48500
Total production kg.	Dhingri Fertilizer			400 Kg 500 Kg
Sale of production in kg.	Dhingri 400 kg @ Rs.150 Compost 500 kg @ 5			60000 2500
	Total			62500
total profit	62500- (1750+48500)			12250
Gross Profit	Total profit + Labor wages + Room rent 12250+(26400+3000)=			41650
second installment of the net amount to be reserved for profit and the amount to repay the third installment				14494
Amount available for distribution of profits among members in the first cycle = Sale of product – (Principal amount + Interest + Recurring cost of 2nd and 3rd installment) 62500- (18563 + 1437 + 48500 + 14494)				-20494

Note :- Rs. 14494 will be kept in reserve for payment of 2nd and 3rd instalment ,

Cost Benefit Analysis Second Cycle

Senior No	Specific	Unit	Quantity/No	expressions	Amount (Rupee.)
A	10% on capital cost	month	3	10%	1750
B	Recurring cost for 3 months				
1.	Room rental price 1 hall (mushroom growing unit) @Rs1000 /month.(3 months)=	month	3	1000	3,000

2.	Each bottle contains 250 Formalin	No	2 bottles	300	600
3.	Labour wages 88 days =(@ Rs 300/ day) = Rs 26400	Day	88	300	26400
4.	Dhingri Manure Bags 250 No @ Rs. 40 per bag and other raw material including rent	No	250	40	10000
5.	Packaging (packaging materials etc.)	Kilogram	5	600	3000
6.	Traffic payment	,	,	,	1000
7.	Electricity and water usage charges @ Rs 1000 per month	month	3	1000	3000
	Total				47000
9.	Total production kg.	Dhingri Mushroom Fertilizer			400 kg 500 Kg
10.	Sale of production in kg.	Dhingri 400 kg @ Rs.150 Compost 500 kg @ 5			60000 2500
		Total			62500
11.	total profit	62500 - (1750+47000)			19750
12.	Gross Profit	Total profit + Labor wages + Room rent 13750 +(26400+3000) =			43150
13.	the second cycle = Sale of product – (Principal amount + Interest + Recurring cost for next cycle) =62500-(19032 + 968 +57300)				(-)14800

Cost Benefit Analysis Third Cycle

Specific	Unit	Quantity/No	expressions	Amount (Rupee.)
Depreciation at 10% on capital cost	month	3	10%	1750
Recurring cost for 3 months				
Cost of rent of 1 hall room (mushroom growing unit) @ Rs 1000/ month. (Three months)	month	3	1000	3,000

Each bottle containing 250 Formalin.	No	2 bottles	300	600
Labour wages 88 days =(@ Rs 300 / day) = Rs 24200	Day	88	300	26400
Button Mushroom Compost Bags 250 nos @ Rs.90 per bag and other raw material including cart	No	250	90	22,500
Packaging (packaging materials etc.)	Kilogram	2.5	600	1500
Traffic payment	,	,	,	1000
Electricity and water usage charges @ Rs 1000 per month	month	3	1000	3000
Total				58000
Total production kg.	Button Mushroom Compost			500 Kg 750 Kg
Sale of production in kg.	500 kg @ Rs.150 Compost 750 Kg @ Rs 10			75000 7500
	Total			82500
total profit	82500 -(1750+58000)			22750
Gross Profit	Total profit + Labor wages + Room rent 22750+ (26400+3000) =			52150
Amount available for distribution of profit among members in the third cycle = Sale of product – (Principal amount + Interest + Recurring cost) 82500-(19 405 + 489 + 58000)				4606

Cost Benefit Analysis Fourth Cycle

Specific	Unit	Quantity/No	expressions	Amount (Rupee.)
Depreciation at 10% on capital cost	month	3	10%	1750
Recurring cost for 3 months				
Room rental price 1 hall (mushroom growing unit) @ Rs. 1000/ month. (3 months)	month	3	1000	3,000
Each bottle containing 250 Formalin.	No	2 bottles	300	600

Labour wages 88 days =(@ Rs 300/ day) = Rs 26400	Day	88	300	26400
Button Mushroom Compost Bags 250 Nos @ Rs.90 per bag and other raw material including cart	No	250	90	22,500
Packaging (packaging materials etc.)	Kilogram	2.5	600	1500
Traffic payment	,	,	,	1000
Electricity and water usage charges @ Rs 1000 per month	month	3	1000	3000
Total				58000
Total production kg.	Button Mushroom Fertilizer			500 Kg 750 Kg
Sale of production in kg.	500 kg @ Rs.150 Compost 750 kg @ Rs 10			75000 7500
	Total			82500
total profit	82500 - (1750+58000)			22750
Gross Profit	Total profit + Labor wages + Room rent 22750 +(26400 + 3000)=			52150
Amount available for distribution of profit among members in the fourth cycle = Sale of product- (Principal amount + Interest + Recurring cost)				24500
82500 -(0+0+58000)				

Income	
Direct Income	
(i) First cycle Dhingri Mushroom	(-)20494
(ii) Second cycle Dhingri Mushroom	(-)14800
(iii) Third cycle Button Mushroom	4606
(d) Fourth Chakra Button Mushroom	24500
Total Direct Income	-6188
Indirect Income	
Labor wages	

(i) First cycle	26400
(ii) Second cycle	26400
(iii) Third cycle	26400
(d) Fourth Chakra	26400
Total	105600
Room rent	
(i) First cycle	3000
(ii) Second cycle	3000
(iii) Third cycle	3000
(d) Fourth Chakra	3000
Total	12000
Total Indirect Income	117600
total common day	111412

Summary of Economics

Cost of production in all four cycles

Specific	Amount in Rs.
Total recurring cost	
(i) First cycle	
Dhingri Mushroom	48500
(ii) Second cycle	
Dhingri Mushroom	47000
(iii) Third cycle	
Button Mushroom	58000
(d) Fourth Chakra	
Button Mushroom	58000
Total	211500
10% depreciation on capital cost (Annual).	7000
10% interest on loan	2894
Total	221394

The essence of production costs

Description	Amount (Rs.)
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recurring cost	211500
10% depreciation on capital Value Cost	7000
10% interest on loan	2894
Total	221394

Assessing the Selling Price

Description	Unit	Amount (Rs.)
Recurring Cost (221394/1800)	Kilogram	122
Fixed profit 23%	Kilogram	28
Total		150
market price	Kilogram	150

Benefit Cost Analysis (Annual)

Description	Amount (Rs.)
10% on capital cost (a)	7000
Recurring Cost (B)	
Room rent	12000
Labor	105600
Compost Bags Price	65000
Formalin	2400
Packaging (packaging materials etc.)	9000
Traffic payment	4000
Use of electricity and water	12000
Miscellaneous Expenses (Stationery , Bill Books , receipt etc.)	1500
Total	211500
Total production of Dhingri and Button mushroom	1800 Kg
Selling price of Dhingri and Button Mushroom	270000
selling price of fertilizer	20000
Total	290000
Gross profit = Selling price- (Capital cost + Recurring cost) =290000- (70975+211500)	7525
Gross profit = Total profit + Labor wages + Room Rent =7525+105600+12000	125125
Distribution of profit among group members after four cycles = Total Profit – (Principal amount + Interest + Recurring cost for fifth cycle) =7525-(0+0+48500)	-40925

Note:- Labor wages and room rent are not included in this amount.

From the above it is clear that each member will not get any additional income after completing four cycles of 75 days. The overall profit of 48500 is as recurring cost of the fifth cycle stand invested.

Resources of funds and requirement of funds

Description of resources	Amount in Rs.
Part of the project at capital cost of Rs. 70975 (75%)	53231
Monthly contribution till date	26985
Loan from bank	57000
Total	137216

one lakh rupees will be provided to the self help group as revolving fund to take loan from the bank.

75% of the capital cost will be borne by the project.

5% interest of the loan will be borne by the project.

Calculating the Break-Even Point

Break even point = Capital cost/sales/kg.-Recurring cost/kg.

$$=70975/150 -122$$

$$=70975/28=2834 \text{ kg}$$

Break even point can be achieved after nine months after selling 2534 kg of Dhingri and Button mushrooms .

Loan Repayment Schedule (at 10% interest)

S.no	month	loan repayment			cumulative loan repaymen t	Loan Balance		
		Principal Amount	Interest	Total		Principal Amount	Interest	Total
	Month-1	0	0	0	0	57000	475	57475
2	Month-2	0	0	0	0	57475	479	57954
3	Month-3	0	0		0	57954	483	58437

4	Month-4	18563	1437	20000	20000	38437	320	38757
5	Month-5	0	0	0	0	38757	322	39057
6	Month-6	0	0	0	0	39057	326	39383
7	Month-7	19032	968	20000	20000	19405	162	19567
8	Month-8	0	0	0	0	19567	163	19730
9	Month-9	0	0	0	0	19730	164	19894
10	Month-10	19405	489	19894	19894	0	0	0
11	Total	57000	2894	59894	59894		2894	

Comment:

is to increase their income by value addition in the form of pickles , readymade soups , dried mushrooms etc.

Surprising mushroom health benefits for your skin , **brain and bones**

“ They contain many minerals such as selenium , potassium , copper , iron and phosphorus that are not often found in plant-based foods.”

1. Mushrooms help keep you young .
2. protect your brain as you age .
3. Mushrooms can improve your memory.
4. Mushrooms may help your heart health.
5. Mushrooms can help strengthen your bones.
6. Mushrooms will help give you energy.
7. Mushrooms help in fighting many diseases, especially cancer ,

Mushroom delicacies are special dishes , tasty , healthy and economical.

Comment:

Keeping in view the future income of the group the second proposed activity by the group is manufacture of pickles and its value addition. As it was decided in principle during the review mission , that more than one activity should be included in a business plan, hence the second proposed activity is enclosed below.

business plan

Pickle making and its value addition

By

Jai Bhole Shankar Mata Self Help Group

executive Summary

The income generating activity of pickle making has been selected by Jai Bhole Shankar Mata Self Help Group. This IGA will be done by all the women of this self help group. Initially, pickles of Galgal , Amla etc. and powder of Amla will be made by this group. This activity is already being carried out by some of the women in this group. This business activity will be carried out by the group members during seasonal time . The process of making pickle takes about 7 days. The production process includes process like cleaning , washing , grinding , mixing , drying etc. Initially the group will manufacture galgal and amla pickles. The product will be sold directly by the Group or indirectly through retailers and whole sellers in the near market.

Description of the product related to the income generating activity

Product Name	,	Pickle making and its value addition
Method of product identification	,	This activity is already being done by some women self help groups and it is decided by the group members
Consent of SHG/CIG/Cluster members	,	Yes

Description of production processes

- The group will make pickles of galgal , amla etc. This business activity will be done by the group members during seasonal time .
- The pickling process takes around 7 days.
- The production process includes processes like cleaning , washing , grinding , mixing , drying etc.
- Initially the group will manufacture 100 kg of pickles per month of local fruits available in the area during the season and will also manufacture other products using the same production process .

Description of the production plan

Galgal pickle (in days)	,	7 days
Production cycle of Amla Pickle (in days)		7 days
Manpower required per cycle (No.)	,	as required
Source of raw materials	,	local content
Source of other resources	,	Local Market / Main Market
Quantity required per cycle for Galgal pickle (kg)	,	For 50 kg of galgal pickle , 40 kg of galgal and 10 kg of masala is required
Quantity required per cycle for Amla (kg)		For 50 kg of amla pickle , 35 kg of amla and 15 kg of spices are required
Expected output per cycle(kg)	,	50 Kg Each

Raw material requirement and expected production

Serial Number	Raw Material	Unit	Time	Quantity(approx .)	Amount per kg (Rs.)	Total Amount	Expected Production Monthly(kg)
1	Galgala	Kilogram	Monthly	100	20	2000	125
2	Spices	Kilogram	Monthly	25	150	3750	
1	Gooseberry	Kilogram	Monthly	100	30	3000	125
2	Spices	Kilogram	Monthly	25	150	3750	

Marketing/Sales Details

1	Potential market space	Bilaspur 22 Km Lon , Nauni 12 Km Lon, Berhampur 7 Km Lon, Jukhala 3 Km Lon,
2	Distance from unit	
3	Demand for the product in the market	Daily Demand
4	Market Identification Process	Group members will contact the local hoteliers every month for their demand and select/list the

		retailer/wholesaler as per the demand in the market. Initially the product will be sold in nearby markets.
5	marketing strategy of the product	Self Help Group members will sell their product directly from the village shops and construction site/shop. Also by retailers , wholesalers from nearby markets. Initially the product will be sold in 0.5-1 kg packaging.
6	Product Branding	The product will be marketed at the CIG/SHG level by branding the CIG/SHG. Later this IGA may require branding at cluster level
7	Product "slogan"	" Jai Bhole Shankar Mata Galgal pickle and chutney"

SWOT Analysis

Strength –

- The activity is already being carried out by some SHG members
- Raw materials easily available
- The manufacturing process is simple
- Proper packing and easy to transport
- Product shelf life is long
- Homemade , low cost

Weakness –

- , humidity , moisture on manufacturing process/product .
- Extremely laborious work.
- Competes with other old and famous products.

Opportunity –

- There are good opportunities for profits as the cost of the product is lower than other similar categories of products.
- Shops Fast
Food stalls,retailers,wholesalers, CanteenRestaurant And CooksHousewives inhigh Th
ere are opportunities for expansion with demand and large scale production.
- Daily/weekly consumption and consumption by all buyers across all seasons.

Danger / Risk –

- Effect of temperature , humidity during manufacturing and packaging especially in winter and rainy season.

- Sudden increase in the prices of raw materials.
- competitive market.
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Management details among members

By mutual consent the members of the self help group will decide their role and responsibility to carry out the work. Work will be divided among the members according to their mental and physical capacity. (Labour Department)

- Some members of the group will be involved in the pre-production process (i.e. - collection of raw materials, etc.)
- Some group members will be involved in the production process.
- Some members of the group will be involved in packaging and marketing.

Economics details of :

A.		Capital Cost			
Serial Number	Description	amount		Unit Price	Total Amount (Rs.)
1	Grinder Machine (1-2 HP)	1		18000	18,000
2	Mixer	2		4000	8,000
3	Vegetable Dehydrator	1		40000	40,000
4	weighing machine	1		2000	2,000
5	kitchen tools			About	8000
6	Finished product storage cupboard/rack			About	8000
7	Hand Operated Jar Sealing Machine	1		15000	15000
8	Apron , Cap , Plastic Hand Gloves etc	5		About	1000
	Total capital cost (A) =				1,00,000
B.		recurring cost			
Serial Number	Description	Unit	amount	price	Total Amount (Rs.)
1	Galgal	kg/month	100	20	2000
2	Raw Material (Masala)	kg/month	50	150	7500
3	Gooseberry	kg/month	100	30	3000
4	Packaging Materials	month	About	5000	5000

5	transportation	month	1	1000	1000
6	Other (stationary , electricity , water Bill for repair of machine)	month	1	1000	1000
7	For the production of two quintals of pickles 2 hrs / day. Total 30 hours for 5 women for 03 days i.e. 8 hours each, labour cost for 04 days @ Rs.300/- / day	Day	04	300	1200
	recurring cost				20700

Cost of Production (Monthly)	
Description	Amount (Rs.)
Total recurring cost	20700
Depreciation at 10% per annum on capital cost	10000
Total	30700

Calculate the selling price of Galgal pickle(per cycle)		
Description	Unit	Amount (Rs.)
cost of making	Kilogram	82.8
Current Market Value	Kilogram	250-300
Expected Selling Price	Rs	200

Selling price calculation for Amla Pickle (per cycle)		
Description	Unit	Amount (Rs.)
cost of making	Kilogram	143
Current Market Value	Kilogram	200-300
Expected Selling Price	Rs	240

income and expenditure Of Analysis (Monthly):

Description	Amount (Rs.)
Depreciation at 10% per annum on capital cost	10000
Total recurring cost	9850
Total Production of Galgal Pickle per Month(Kg)	125
Selling Price (per kg)	200
Income Generation (200*125)	25000
Total Production of Amla Pickle per Month(Kg)	125

Selling Price (per kg)	240
Income Generation (240*125)	30000
Net profit	34300- on monthly basis
distribution of net profit	The profit will be distributed equally among the members on monthly/yearly basis.
	The profit will be used to meet recurring costs.
	Profits will be used for further investments in IGA

Finance Requirement:

Description	Total Amount (Rs.)	Project contributions	SHG Contribution
total capital cost	100000	50000	50000
Total recurring cost	20700	0	20700
Training/Capacity Building/Skill Upgradation	50,000	50,000	0
Total	170700	100000	70700

Pay attention–

- **Capital Cost** – 50% of the capital cost to be covered under the project
- **recurring cost** – To be borne by Self Help Group/CIG.
- **Training/Capacity Building/Skill Upgradation** – will be borne by the project

Sources of Finance:

Project support	<ul style="list-style-type: none"> • 50% of the capital cost will be used for purchasing machinery and equipment • 1 lakh will be deposited in the SHG bank account. • Training/Capacity Building/Skill Upgradation costs. 	The machinery / equipment will be procured by the respective DMU / FCCU following all the codal formalities.
self help group contribution	<ul style="list-style-type: none"> • 50% of the capital cost will be borne by the self help group , in this Includes cost of materials/equipment other than machinery. • Recurring costs borne by 	

	the self help group	
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Training/Capacity Building/Skill Upgradation

Training/capacity building/skill upgradation cost will be borne by the project.

Following are some of the training/capacity building/skill upgradation proposed/required:

- Cost-effective procurement of raw materials
- Quality Control
- Packaging and marketing
- financial management

Calculating the Break-Even Point

= Capital Expenditure/Selling Price (per kg)-Cost of Production (per kg)

= 100000/ (200-82.80)

= 854 kg

In this process 854 kg pickles were Break even will be achieved after selling.

Other sources of income:

of villagers/local people from grinding galgal , amla , pulses , wheat , maize etc.

Bank Loan Repayment – If the loan is taken from a bank it will be in the form of cash credit limit and there is no repayment schedule for CCL ; however , monthly savings and repayment receipts from the members should be sent through CCL.

- In CCL , the outstanding principal of the SHGs should be paid in full to the banks once a year. The interest amount should be paid on a monthly basis.
- In term loans , repayment should be done as per the repayment schedule in banks.

Monitoring method –

- The Social Audit Committee of VFDS will monitor the progress and performance of the IGA and suggest corrective actions, if necessary, to ensure the operation of the unit as per projections.
- The SHG should review the progress and performance of the IGA of each member and suggest corrective actions, if necessary, to ensure the operation of the unit as per the projections.

Here are some key indicators to monitor:

- Group size
- fund management
- Investment

- Income generation
- product quality

The total cost of the project is

Capital Cost = 70975/-

Recurring cost = 211500/-

Total for mushroom cultivation = **282475/-**

Manufacture of pickles and its value addition is the project cost

Capital cost = 100000/-

Recurring cost = 20700/-

Total for pickle making and its value addition project = **120700/-**

The total amount of the business plan is Rs. Only **4,03,175/-**

serial number	Business plan	Capital cost	Recurring costs	part of the project	Beneficiary contribution	Total cost
1.	Mushroom cultivation	70,975/-	2,11500	53231	17743/-	282475
2.	Pickle making and its value addition	1,00000/-	20,700/-	75,000	25,000/-	1,20,700
	Total	1, 70975	2,32200	128231	42743	4,03175

फोटो के साथ स्वयं सहायता समूह सदस्यों का विवरण

क्र स	नाम	पद	वर्ग	उम्र	शैक्षणिक योग्यता	मोबाइल नंबर
1.	अजना देवी	अध्यक्ष	सामान्य	33 वर्ष	12th	98178-68835
2.	सुरेन्द्रा देवी	सचिव	सामान्य	38 वर्ष	10th	88192-00670
3.	अशा देवी	सदस्य कोषाध्यक्ष	सामान्य	42 वर्ष	12th	94597-70850
4.	अनिता देवी	सदस्य	सामान्य	42 वर्ष	8th	80911-05372
5.	रौमा देवी	सदस्य	सामान्य	40 वर्ष	10th	93369-42718
6.	अशा देवी	सदस्य	सामान्य	40 वर्ष	10th	82196-22364
7.	राजी देवी	सदस्य	सामान्य	50 वर्ष	5th	80911-30904
8.	पिकी देवी	सदस्य	सामान्य	40 वर्ष	5th	85447-00088
9.	रमिता देवी	सदस्य	सामान्य	48 वर्ष	5th	68836-15141
10.	विद्या देवी	सदस्य	सामान्य	53 वर्ष	5th	88942-61362
11.	सैजना देवी	सदस्य	सामान्य	38 वर्ष	12th	98178-15000
12.	निशा देवी	सदस्य	सामान्य	37 वर्ष	10th	98175-42619
13.	तारा देवी	सदस्य	सामान्य	30 वर्ष	12th	82788-01935
14.						
15.						
16.						

अनुलग्नक

हम सब समूह सदस्य ने आईजीए गतिविधि में सक्रिय रूप से भाग लेने के लिए सहमति दी है। एचपी पारिस्थितिकी तंत्र प्रबंधन और आजीविका में सुधार और वीएफडीएस के साथ समन्वय के लिए जेआईसीए परियोजना के दिशानिर्देश के अनुसार समूह (अशरुब और अचार और अन्य) द्वारा चुना गया। सदस्यों का विवरण इस प्रकार है

क्र.सं.	नाम	पद	वर्ग	उम्र	हस्ताक्षर
1.	अंजना देवी	उपध्यक्ष	सामान्य	33 वर्ष	
2.	सुरेन्द्रा देवी	सचिव	सामान्य	38 वर्ष	Anjana Devi
3.	अशा देवी	कौषाध्यक्ष	सामान्य	44 वर्ष	Surendra Devi
4.	अनिता देवी	सदस्य	सामान्य	44 वर्ष	Asha Devi
5.	रीमा देवी	सदस्य	सामान्य	40 वर्ष	Anita Devi
6.	अशा देवी	सदस्य	सामान्य	41 वर्ष	Reema Devi
7.	राजी देवी	सदस्य	सामान्य	50 वर्ष	Asha Devi
8.	पिंकी देवी	सदस्य	सामान्य	44 वर्ष	राजी देवी
9.	रमिला देवी	सदस्य	सामान्य	48 वर्ष	पिंकी देवी
10.	विद्या देवी	सदस्य	सामान्य	53 वर्ष	रमिला देवी
11.	संजना देवी	सदस्य	सामान्य	38 वर्ष	विद्या देवी
12.	मिशा देवी	सदस्य	सामान्य	37 वर्ष	संजना देवी
13.	तारा देवी	सदस्य	सामान्य	31 वर्ष	Misha Devi
14.					Tara Thankul
15.					
16.					

Surendra Devi

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✓ Anjana Devi

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Aspandan

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Lawankumar

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Solomon

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वन रक्षक

Bukar

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हस्ताक्षर
वन परिक्षेत्र अधिकारी

Sanyam
वन परिक्षेत्र अधिकारी
वन परिक्षेत्र सदर
बिलासपुर

Divisional Management Unit-DI

डीएमयू द्वारा स्वीकृत