





Income Generation Activity Business Plan Dairy Farming 2021







SHG/Name	:	Siva New SHG
VFDS Name	:	Dolan Chhir
FTU/Range	:	Sarkaghat
DMU/Division	:	Suket
FCCU/Circle	:	Mandi

Sponsored by	Prepared by:-
PIHPFEM&L	DMU Suket, FTU Sarkaghat & Shiva New SHG

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1. Introduction

Himachal Pradesh is majestic, almost mythic terrain and famous for its beauty and serenity, its rich culture and religious heritage. The state has diverse ecosystem, rivers and valleys, and has a population of 7.5 million and covers 55,673 sq. km ranging from foothills of Shivalik to the mid hills (300 - 6816 mts above MSL), high hills and cold dry zones of the upper Himalayas. It is spread across valleys with many perennial rivers flowing through them. Almost 90% of the state's population lives in rural areas. Agriculture, horticulture, hydropower and tourism are important constituents of the state's economy. The state has12 districts and Mandi is 2nd district in population wise having14.58%.

The district lies in central Himachal and is famous for its tourist stations and Himalayan Treks connecting the trails with far remote regions between the adjacent districts of Kullu Shimla, Bilaspur, Solan, Hamirpur and Kangra districts which are bordered at North-North East, East, West and South of Mandi respectively. The District is also a home to some of the Ancient settlements, Traditional Handloom and Apple Cultivation Fields & Beas and Satluj River are the life line and main drain.

The largest valley in the district is called the Balh Valley, though other valleys such Karsog and Hatli valleys are also known for the production of food grains, which is also known as the Valley of the Gods. There is also a town called Mandi which situated on the banks of the Beas River in the northern part of the Balh valley, where people are hard working.

Forests and Forest eco systems are the storehouse of rich biodiversity and play a vital role in preserving the fragile sloppy lands and were primary sources of livelihood for rural population. The rural peoples are directly dependent on the forest resources for their livelihoods and socio-economic development. The Harsh reality is this that these resources are constantly depleting due to over exploitation, such as Fodder, fuel, NTFP extraction

Grazing, Fires, and droughts etc.

Under Dolan Chhir VFDS two SHGs have been formed for implementing livelihood Improvement activities. One of these is, "Shiva New" concerned with Paneer Making and value addition. Group members belong to a weaker section of society and have less land holdings. To raise their socio-economic conditions, they decided to produce dairy products. Technical inputs for preparing Business plan were provided by Dr. Pankaj Sood, Principle Scientist & Head Dr. Kavita Sharma & DS Yadav, KVK Mandi at Sunder Nagar. Team consisting of Sh. Vijay Kumar SMS, o/o DMU Sunder Nagar, Monika, FTU Co-ordinator sarkaghat Range of Suket Forest Division, Mr. Vijay Kumar Forest Guard Kaldoo Beat and Ramesh Chand of Durgapur block prepared the business plan under the constant supervision and guidance of V. P.Pathania, Rtd. DFO.

2. Executive summary

Dolan Chhir: VFDS: -

Dolan Chhir VFDS is part of Dolan and Chhir revenue muhal. It is located in Sarkaghat block of Mandi district in Himachal Pradesh and lies between 31.7342485° N latitude-76.7729018°E longitudes. The Dolan Chhir VFDS falls under Jamdwar beat of Sarkaghat Range in Suket Forest Divisional Management Unit (DMU)

Important features of VFDS: -

The area is famous for tradition houses in the village. The ward is rich in water sources and sufficient water is available in sources. The local deities are Batla temple at Chhir, known for the protection cattle's in the Jungle, whereas Lakhdata Devta temple is located at Chhir Village. Also temple of Naina Mata situated in this Ward

No. of Households	85
BPL families	8=9.42%
Total population	267
Total Cattle	80

3. Description of SHG

The informal Shiva New SHG group was formed in February 2020 under Dolan Chhir VFDS to provide Livelihoods Improvement Support by up gradating skill and capacities. The group consists of poor and marginal farmers.

Shiva New SHG group is women group (Twelve females) consists of marginal and financial weaker section of Schedule Tribe category of the society having less land resources. Though all Group member grow seasonal vegetable etc. but as the land holding of these members is very small and irrigation facility are less and the production level has reached near

saturation, so in order to meet out their financial requirements' they decided to go ahead with Dairy products which can enhance their income. There are 10members in this group and their monthly contribution is Rs 100/- per month. The detail of Group members is as under:-

Sr.	Name	Designation	Category	Age	Qualifi	Cont. No. 78070 11719	
No.					cation		
1.	Dimple w/o Sh. Rakesh Kumar	President	General	45	10th		
2.	Kirna Devi w/o Sh. Sunil Kumar	Member Secretary	General	40	12th	91051 07387	
3.	Urmila Devi w/o Sh. Sharan Das	Member	General	38	MA	78077 10224	
4.	Leela Devi w/o Sh. Devender Kumar	Member	General	41	10th	98168 58175	
5.	Kamlesh Kumari w/o Sh. Chet Ram	Member	General	47	10th	98946 27997	
6.	Jaidei w/o Sh. Deler Singh	Member	General	47	8th	-	
7.	Rekha Devi w/o Jagga Ram	Member	General	55	8th	-	
8.	Vina Devi w/o Sh. Jagdish Chand	Member	General	40	12 th	98171 20493	
9.		Member	General	36	8 th	98174 26858	
10.	1 0	Member	General	33	12 th	82689 40006	
11.	Tanu Kumari w/o Sh. Bhim Sen	Member	General	56	5^{th}	93186 89744	
12.		Member	General	38	10 th	-	

Detail of SHG Members along with Photos

	Photograph of Self Help Group members								
Dimple (President)	Kirna Devi (Member	Urmila Devi (Member)	Leela Devi (Member)						
	Secretary)								
Kamlesh Kumari	Jaidei Member	Rekha Devi Member	Vina Devi Member						
Member Image: Constraint of the second sec									
Kalpna Devi Member	Rajo Devi Member	Tanu Kumari Member	Meena Devi Member						

liva nev	w Self Help Group Dollan Chhir		
2.1.	Name of SHG	::	Shiva New
2.2	SHG/CIG MIS Code No	::	-
2.3	VFDS	::	Dollan Chhir
2.4	Range	::	Sarkaghat
2.5	Division	::	Suket
2.6	Village	::	Dolan Chhir
2.7	Block	::	Gopalpur
2.8	District	::	Mandi
2.9	Total no of members in SHG	::	12
2.10	Date of formation	::	February 2020
2.11	Bank Name and details	::	HP Gramin Bank Chattar
2.12	Bank A/C No.	::	87491300000882
			IFSCPUNB0HPGB04
2.13	SHG/monthly saving	::	Rs.1000/-Month
2.14	Total Saving	::	6000/-
2.15	Total inter-loaning	::	Yes
2.16	Cash Credit limit	::	
2.17	Repayment status		Quarterly Bases

Shiva New Self Help Group Dollan Chhir

4. Geographical detail of the Village

	Distant from District HQ	:	55 km
3.1			
3.2	Distant from Main Road	:	0 Km (But from main road 100 to 200
		:	mts) approximately
3.3	Name of Local Market and distant	:	Sarkaghat 20km, Mandi 55 kms app.
3.4	Name of main Cities and distant	:	Sarkaghat 20KM Sunder nagar, 55 kms,
		:	Mandi 55 kms app.
3.5	Name of the main cities where	:	Sarkaghat,Sundernagar, Mandi
	Products will be sold/ marketed	:	
3.6	Status of backward and forward	:	Backward linkages Training, (KVK) etc. Milk
	linkages	:	locally available and forward linkage Market
			exists and Suppliers etc.

5. De	Description of product related to Income Generating Activity							
4.1	Name of the Product	::	The Group will be involved in production of milk and milk					
			products such Khoya, Paneer etc. as per the market demand					
4.2	Method of Product	::	Though the entire Group member grows seasonal					
	Identification		vegetable and traditional crops. As their land holding is					
			small, has reached in saturation point of production, so					
			they are not able to meet out their financial requirements'					
			therefore it has been decided by the group member that					
			dairy and dairy product unit is to be started with the					
			assistance of JICA project which will enhance their					
			income. Further they usually go to sell their vegetable					
			traditional crop and milk crops in locality.					
			Market linkages are already in place. They do not have to					
			spend extra time and money for marketing Dairy products					
4.3	Consent of SHG /CIG/	::	Consent is attached as an Annexure.					
	Cluster							

5. Description of product related to Income Generating Activity

6. Description of production process

Initially the members of paneer making SHG agreed to start the business with 120 kg of pure milk. The 40-liter milk will be heated to a temperature of $80-90^{\circ}$ c in heavy based milk pots with 50lt capacity of each pot by continuous stirring. When the milk will attain the temperature of approximately 90° C add 0.2% citric acid (i.e. 80gm of citric acid) and keep on stirring upto 5-6 minutes and put off the flame and allow it to cool down. Add the product into the muslin cloth and squeeze off the additional water and press the paneer by putting additional weight over it/ by using paneer press and keep the resultant material in the muslin cloth inside the cold water. The same process will be repeated with the remaining 80 lt of milk in the other two milk pots.

As per the standard average around 24 kg of paneer will be produced from 120lts of milk daily which can be marketed as per the targeted markets to fetch reasonably better price. On an average if the price of paneer is Rs. 250 per kg, the SHG will have net sale of Rs 6000/-daily and if the milk is procured at a rate of Rs 40/kg amount of 120kg of milk is worked at Rs. 4800 per day and thereby Rs 1200 will be gross profit daily.

7. Market potential to start paneer making business

Paneer is a natural dairy item that is healthy, rich in nutrients, and in great demand. There is increasing demand in the present day and likelihood of the demand being more in near future. The business is profitable and needs less capital, inexpensive ingredients and basic machinery. Quality paneer demands quality control, proper equipment and standardized protocols.

8. Reasons to start paneer making business

- Natural dairy product
- Huge demand
- The business is money-spinning
- Less capital needed
- Inexpensive constituents
- The SHG members are conversant with the activity at individual level

9. Equipment requirement for homemade paneer

The following equipments will be procured initially to start the production of homemade paneer

- 1. Boiler vessel 100lt capacity
- 2. Stirring rod
- 3. Commercial gas cylinder with connection
- 4. Gas bhatti (Chullah)
- 5. Digital weighing machine
- 6. Measuring device (1lt, 2lt, 5lt)
- 7. Refrigerator (200ltr)
- 8. Kitchen tools and other miscellaneous articles
- 9. Poly sealing table top
- 10. Heat sealer
- 11. Apron, cap, plastic hand gloves etc.
- 12. Chairs table etc.
- 13. Paneer pressing machine

10. Description of Product related to Income Generating Activity

1	Name of the Product	::	Paneer making			
2	Method of product identification	::	This product is being already made by			
			some SHG members			
3	Consent of SHG/ CIG / cluster members		Yes			

11. Description of Production Planning

1	Production Cycle (in days)	::	1 day
2	Manpower required per cycle (No.)	::	all members
3	Source of raw materials	::	Locally available
4	Source of other resources	::	S nagar., 40Km, Mandi, 40km
5	Quantity required per cycle (Kg)	::	120 lt milk (initially)
6	Expected production per cycle (Kg)	::	24 Kg (initially)

12. Requirement of raw material and expected production

Sr. No.	Raw material	unit	Time	Quantity	Amount per kg (Rs)	Total amo unt	Expected Paneer production (Kg)	Rs. Per Kg	Total amount
1	Buffalo/ Cow milk	Kg	Per Day	120lt	40	4800	24	250	6000

13. Description of Marketing/ Sale

1	Potential market places	::	S nagar., 16Km, Mandi, 40km
2	Distance from the unit	::	
3	Demand of the product in 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 retailer/wholesaler. 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 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"		"A Product of Purity and Supremacy"

14. SWOT Analysis

- Strength
 - Activity is being already done by some SHG members
 - Raw material easily available
 - Manufacturing process is simple
 - Proper packing and easy to transport
 - Product shelf life is long
- ✤ Weakness
 - Effect of temperature, humidity, moisture on manufacturing process/product.
- Opportunity
 - Location of markets
 - Daily/weekly consumption and consume by all buyers in all seasons
- ✤ 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

15. Description of Management among members

By mutual consent SHG group members will decide their roles and responsibilities 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.

16. Financial forecast/projections

The final rather foremost step to start up the business is to make a financial plan to determine the cost to run the business and it should also cover the business profit initially the SHG is going to earn in nutshell a cost benefit analysis is required to be projected.

А.	CAPITAL COST			
Sr.No.	Particulars	Quantity	Unit Price	Total Amount (Rs.)
1	Boiler vessel 100lt capacity	3	5000	15000
2	Stirring rod	3	300	900
3	Commercial gas cylinder with connection	2	4000	8000
4	Gas bhatti (Chullah)	3	1500	4500
5	Digital weighing machine	1	10,000	10000
6	Measuring device (1lt, 2lt, 5lt)	3	L/S	1000
7	Refrigerator (200ltr)	1	22000	22000
8	Kitchen tools and other miscellaneous	L/S	L/S	4000

				1
	articles			
9	Poly sealing table top Heat sealer	1	2000	2000
10	Apron, cap, plastic hand gloves etc.	12	L/S	6000
11	Chairs table etc.		L/S	5000
12	Paneer Pressing machine	1	L/s	3000
	Total Capital Cost (A)			81400

В.	RECURRING COST			
Sr. No.	Particulars	Quantity	Price	Total Amount (Rs)
1	Raw milk	120 ltr daily	40 ltr	144000
2	Citric acid	бltr	150/ltr	900
3	Room rent	Per month	500	500
4	Packaging material	monthly	3000	3000
5	Labour	2 persons daily	275/person	16500
6	Transportation	monthly	Rs 100 per day	3000
7	Miscellaneous expenditure (i.e. stationary, electricity bill, water bill, etc.)	monthly	1000	1000
8	Gas	One cylinder per month	2000/cylinder	2000
9	Muslin cloth	Monthly	L/S	1500
10	Soap & detergent/vim scrubber, brooms, wiper, etc.	monthly	L/S	1000
	Total Recurring cost (B)			173400

C.	Cost of Production (Monthly)						
Sr.No.	Particulars				Amount (Rs)		
1	Total Recurring Cost				173400		
2	10% depreciation annuall	y on capi	ital cost		678		
	Total cost of production				174078		
D.	Total income monthly						
Sr.No.	Particulars	Daily	Expected rate per kg	Total daily	sale	Monthly sale	
1	Total production of paneer	24k g	250/kg	60	00	180000	
	Cost Benefit Analysis						
Sr.No.	Particulars			Am	ount (Rs)		
1	Depreciation @ 10% on c	apital co	st	(578		
2	Total Recurring Cost per	month]	73400		

3	Total expenditure	174078
4	Total production (monthly)	720 kg
5	Rate expected per kg	250/kg
6	Total sale amount	180000
	Net income (monthly)= 180000-174078	5922
7	Profit sharing	The profit sharing will be collectively agreed between the members; however a chunk of profit will be kept as reserve for future contingency.

Note: The amount of labour (16500) which has been added to recurring cost is practically the income of the members of SHG because the labour input will be within the members of SHG.

17. Fund flow

Sr.No.	Particulars	Total	Project	SHG
51.100.	Sr.No. Particulars		support	Contribution
1	Total capital cost	81400	61050 (75%)	20350
2	Total Recurring Cost	173400	-	173400
3.	Monthly contribution till date	6000		6000
4.	Trainings/capacity building/ skill up-gradation	60000	60000	-
	Total	320800	121050	199750

Note-

- The SHG consists of all members and 75% capital cost will be contributed by the project.
- The recurring Cost will be borne by the SHG/CIG members.
- Trainings/capacity building/ skill up-gradation expenditure will be borne by the project.

18. Sources of fund

Project support	• 75 % of capital cost will be	Procurement of
	utilized for purchase of machineries	machineries/equipment
	including equipments as detailed at	will be done by respective
	serial no. 8 above.	DMU/FCCU after
	• Upto Rs 1 lakh will be parked in the SHG bank account.	following all codal formalities.
	• Trainings/capacity building/ skill up-gradation cost.	

SHG contribution	• 25 % of capital cost to be borne by SHG, this include cost of materials/tools other than machineries.
	• Recurring cost to be borne by SHG

19. 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

20. 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.

21. 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
 - 22. Remarks:

The forth coming vision of the Group is to enhance their income by value addition in the form of other Dairy items etc.

The forth coming vision of the Group is to enhance their income by way of taking up of additional activity of Vermi composting as the activity is well connected with the Dairy

product where the group is involve in collection of milk as well as rearing of cattle's for production of milk. These two activities go hand in hand hence, proposed in one Buisness plan. The detailed activity is annexed below.

BUSINESS PLAN

INCOME GENERATING ACTIVITY –Vermi-compost by Shiva New - Self Help Group

Background

Vermicomposting has been gaining a strong foothold in the country due to simple production techniques, ecological, economic and human health benefits associated with it. A significant number of vermicomposting units have been set up by entrepreneurs, under government support/ with the technical guidance of Non-Governmental Organizations (NGOs), particularly in the southern and central parts of the country.

Vermicomposting has direct environmental and economic benefits as it contributes to the sustainable agriculture production and income of farmers significantly. There are a number of NGOs, Community Based Organizations (CBOs), Self-Help Groups (SHGs), Trusts etc. which are making concerted efforts to promote vermicomposting technology due to its established economic and environmental advantages.

Vermicomposting

Production of compost through rearing/using earth worms is called the vermicomposting technology. Under this technology, earthworms eat biomass and excrete it in a digested form which is known as vermicomposting or vermicompost. It is one of the simplest and cost effective methods for the production of composting for both the small and large scale farmers. Vermicompost production unit can be set up in any land which is not under any economic use but shady and free from water stagnation. The site should also be nearer to a water resource

Vermicomposting, rightly called "gold from garbage" is the major input in organic agriculture production. Owing to simple technology, many farmers are engaged in vermicomposting production as it invigorates soil health, soil productivity reduces the cost of cultivation. There is a gradual increase in demand for vermicompost due to the high level of nutrient contents.

Name of the Product	::	Vermicomposting
Method of product identification	::	This activity is being already done by some SHG members and has been collectively decided by group members
Consent of SHG/ CIG / cluster members	::	Yes

Description of Product related to Income Generating Activity

Description of Production Processes

Step		Description
Step-1	::	Processing involving collection of wastes, shredding, mechanical separation of the metal, glass and ceramics and storage of organic wastes.
Step-2	::	Pre digestion of organic waste for twenty days by heaping the material along with cattle dung slurry. This process partially digests the material and fit for earthworm consumption. Cattle dung and biogas slurry may be used after drying. Wet dung should not be used for vermi-compost production.
Step-3	::	Preparation of earthworm bed. A concrete base is required to put the waste for vermi-compost preparation. Loose soil will allow the worms to go into soil and also while watering, all the dissolvable nutrients go into the soil along with water.
Step-4	::	Collection of earthworm after vermi-compost collection. Sieving the composted material to separate fully composted material. The partially composted material will be again put into vermi-compost bed.
Step-5	::	Storing the vermi-compost in proper place to maintain moisture and allow the beneficial microorganisms to grow.

Description of Production Planning

Production Cycle (in days)	::	90 days (three cycles in a year)
Manpower required per cycle (No.)	::	1
Source of raw materials	::	From household and own farms
Source of other resources	::	Open market
Raw material - quantity required per cycle (Kg) per member	::	1800 Kg per cycle
Expected production per cycle (Kg) per member	::	900 Kg per cycle

Description of Marketing/ Sale

Potential market places Distance from the unit	::	HP Forest Deptt. Local market Use on own farm
Demand of the product in market place/s	::	HO Forest deptt is procuring huge vermi- compost for their nursery
Process of identification of market	::	PMU will facilitate the tie up of procurement of vermi-compost produced by SHG by HP Forest deptt.
Marketing Strategy of the product		SHG members will also explore the additional marketing options around their villages for better sale price in future.
Product branding		At CIG/SHG level product will be marketed by branding of respective CIG/SHG. Later this IGA may require branding at cluster level
Product "slogan"		"Nature Friendly"

SWOT Analysis

Strength

- Activity is being already done by some SHG members
- **C** Each of the SHG members are having cattle varying from 2 to 8 in each household
- ➡ Families of SHG members are cultivating high value crops & vegetables which offers adequate availability of raw materials i.e. farm organic wastes throughout the year.
- **C** Raw material easily available at their farms
- Manufacturing process is simple
- Proper packing and easy to transport
- **Other family members will also cooperate with beneficiaries**
- Product self-life is long
- Weakness
- **Contract State St**
- Lack of technical know-how
- * Opportunity
- Increasing demand of vermi-compost on account of awareness among farmers about organic and natural farming
- Application of vermi-compost on their own field will go a long way in improving and enhancing the soil health and production of quality farm produce which will offer better price.
- Best utilization of organic waste including household left outs of kitchens
- Potential for marketing tie up with HP Forest
- Threats/Risks

- **Possibility** of break of production cycle due to extreme weather
- Competitive market
- Level of commitment among beneficiaries towards participation in training/ capacity building & skill up-gradation

Description of Management among Members

- → Production It will be taken care of by individual members including procurement of raw materials
- → Quality assurance Collectively
- → Cleaning & packaging Collectively
- → Marketing Collectively
- → Monitoring of the unit Collectively

Description of Economics

(Amount in actual Rs.)

S. No	Particulars	Units	Quantity / Nos.	Cost (Rs.)	Year 1	Year 2	Year 3	Year 4	Year 5
A.	Capital Cost								
A.1	Machinery and equipment								
	Tools, equipment, weighing scale etc.	Per member	12	2000	24000	0	0	0	0
	Total (A.1)				24000	0	0	0	0
B	Recurring Costs								
2	Seed earthworm	Per Kg	12	500	6000	0	0	0	0
3	Cost of procurement of Slurry/dung/waste	Tonnes	80	Available with the group members					
4	Labour Cost	Per tonne	40	700	28000	29400	30870	32414	34034
5	Packing materials	No.	5000	2	10000	10500	11025	11576	12155
6	Other handling charges	Per tonne	40	150	6000	6300	6615	6946	7293
С	Other charges								
7	Insurance	L/S			0	0	0	0	0
	Total recurring costs				50000	46200	48510	50936	53482
	Total cost - Capital and recurring				74000	46200	48510	50936	53482
D	Income from vermicomposting								
8	Sale of vermicompost	Tonnes	40	6000	240000	252000	264600	277830	291722
9	Total revenue				240000	252000	264600	277830	291722
10	Net returns (C-B)				190000	205800	216090	226894	238240

Note – As labour work will be done by SHG members themselves and Slurry/dung/waste already available at their place and these materials will be not procured by them, therefore, recurring cost (Labour Cost, Cost of procurement of Slurry/dung/waste) can be deducted from total recurring cost.

Economic Analysis

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5	
Capital cost	24000	0	0	0	0	
Recurring cost	50000	46200	48510	50936	53482	
Total cost	74000	46200	48510	50936	53482	273128
Total benefits	240000	252000	264600	277830	291722	1326152
Net benefits	190000	205800	216090	226894	238240	1077024
Net present worth of cost @15 per cent	273128					
Net present worth of benefits @15 per cent	1077024					
Benefit Cost Ratio	3.94					

Distribution of net profite – As per share in production.

Inferences of Economic Analysis

- **>** Pit size for each member has been planned at 10X4X2 ft for one pit.
- Cost of production of vermi-compost comes to Rs. 1.85 per Kg
- Sale of vermi-compost (conservative side) is Rs. 6 per Kg
- Net profit will be Rs. 4.15 per Kg
- ➡ It is proposed that each member will produce 3.3 tonnes of vermi-compost every year resulting in production of 40 tonnes vermi-compost by all 12 members of SHG in one year.
- Cost of earthworm has been kept at Rs. 500.00 per kg
- The vermi-compost making is a profitable IGA and can be taken up by the SHG members.

Fund requirement:

Sl. No.	Particulars	Total Amount (Rs)	Project support	SHG contribution
1	Total capital cost	24000	18000	6000
2	Total Recurring Cost	50000	0	50000
3	Trainings/ capacity building/skill up-gradation	50000	50000	0
	Total =	124000	68000	56000

Note-

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

Sources of fund:

Project support;	 75% of capital cost will be ocurement of materials for purchase of weighing machines Upto Rs 1 lakh will be parked in the SHG bank account. Trainings/capacity building/ skill up-gradation cost.
SHG contribution	 25 % of capital cost to be borne by SHG, this include for purchase of weighing machines Recurring cost to be borne by SHG

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:

- **Project Orientation Group Formation**/ Reorganization
- **Croup Concept and Management**
- ➡ Introduction to IGA (General)
- Marketing and Business Plan Development
- Bank Credit Linkages & Enterprise Development
- Sexposure Visit of SHGs/ CIGs Within the State Outside State

Monitoring Mechanism

- 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.

Cost of the Dairy Project is

Capital Cost= 81400/-

Recurring Cost = 173400/-

Total for Dairy Project =254800/-

Cost of Vermicompost Project is

Capital Cost= 24000/-

Recurring Cost = 50000/-

Total for Vermicompost Project=74000/-

Grand Total of Business Plan is Rs. 328800/- only

Annexure

We the member group here by consented to actively participate in the IGA activity Opto the group (Dairy Farming activity) as per the guideline of JICA project For Improvement of HP Ecosys management and livelihood and coordination with the VFDS.

The detail of members is as under

Sr. No		Designation	Category	Signature
1.	Dimple w/o Sh. Rakesh Kumar	President	ST	
2			2	Dimpla Devi
2.	Kirna Devi w/o Sh. Sunil Kumar	Member Secretary	_S7	
3.	Urmila Devi w/o Sh. Sharan Das	Member	ST	Kigne Lewi Usumila Dey
4.	Bandu Devi w/o Sh. Karam Chano	d Member	ST	
5.	Leela Devi w/o Sh. Devender Kumar	Member	ST.	l eala Davi
6.	Kamlesh Kumar w/o Sh. Chet Ran	n Member	ST	Leela Deri Kamlesh Kumarj
7.	Krishna w/o Sh. Rintu	Member	ST	
8.	Jaidei w/o Sh. Deler Singh	Member	ST	Jaidei
9.	Rekha Devi w/o Jagga Ram	Member	ST	Retaha Devi
10.	Vija Devi w/o Sh. Jagdish Chand	Member	ST	Veeha Devi
11.		Member	ST	Kalpan Devi
12.	Rajo Devi w/o Sh. Sairu Ram	Member -	ST	Ràp
13.	Tanu Kumari w/o Sh. Bhim Sen	Member	ST	Tahu kymari
14.	Meena Devi w/o Sh. Mouji Ram	Member	ST	Meena Devi

Signature of secretary

Dim PlaDevi Signature of Pradhan

Signature of VI S Secretary

FL Signature of र कि म प्रामीण वन जिला 1822 डोलन-छीड डा सरकाघाट, जिला भण्डी ५०००

Signature of Fgd

Signature of Block Officer

Signature of RFO

Approved by DMU Divisional Forest Officer Suket Forest Division Sunder Nagar (HP)