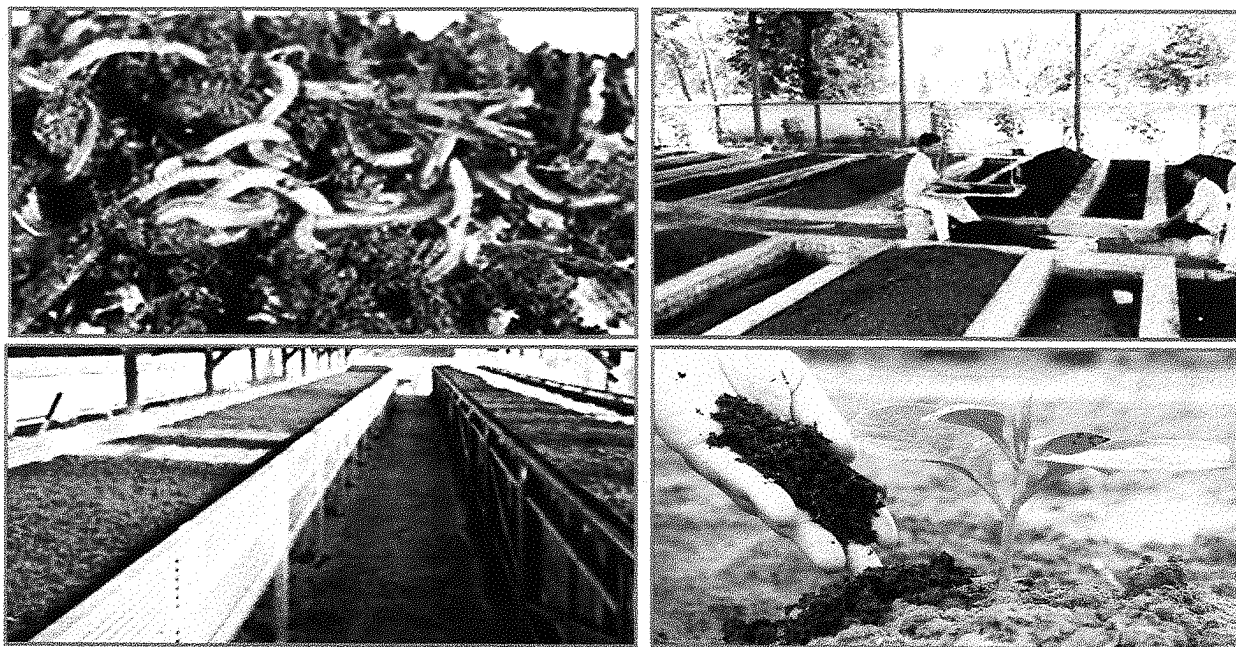


BUSINESS PLAN

INCOME GENERATING ACTIVITY –Vermi-Compost

By

Maha Dev- Self Help Group



SHG/CIG Name	::	Maha Dev
VFDS Name	::	Lakhdata Pir
Ward		Troh
Range	::	Mandi
Division	::	Mandi

Prepared under:



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

Table of Contents

Background.....	3
1. Description of SHG/CIG	4
2. Beneficiaries Detail:	5
3. Geographical details of the Village	5
4. Description of Product related to Income Generating Activity	5
5. Description of Production Processes.....	6
6. Description of Production Planning	6
7. Description of Marketing/ Sale	7
8. SWOT Analysis	7
9. Description of Management among Members.....	8
10. Description of Economics	9
11. Inferences of Economic Analysis	13
12. Fund requirement:	13
13. Sources of fund:.....	13
14. Bank loan repayment.....	Error! Bookmark not defined.
15. Trainings/ Capacity Building/ Skill Up-gradation	14
16. Monitoring Mechanism	15

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 vermin composting 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 vermicompost and technique is called as vermicomposting. It is one of the simplest and cost effective methods for the production of compost 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.

1. Description of SHG/CIG

SHG/CIG Name	::	Maha Dev Women SHG
VFDS	::	Lakhdata Pir
Range	::	Mandi
Division	::	Mandi
Ward/Village	::	Troh
Block	::	Balh
District	::	Mandi
Total No. of Members in SHG	::	10- Females
Date of formation	::	05/2020
Bank a/c No.	::	0911000-102138899
Bank Details	::	PNB Bank Nerchowk
SHG/CIG Monthly Saving	::	Rs. 100.00
Total saving		Rs. 13000
Total inter-loaning		10000
Cash Credit Limit		--
Repayment Status		Very good

Beneficiaries Detail:

Sr. No	Name	Father/ Husband Name	Age	Category	Income Source	Address
1	Sumitra Devi	Jai Pal Rana	43	Gen.	Agri.	Troh
2	Dola Devi	Hemant Kumar	49	Gen.	Agri.	Troh
3	Nisha Devi	Shali Ram	50	Gen.	Agri.	Troh
4	Sunita Devi	Tej Singh	50	Gen.	Agri.	Troh
5	Jamna Devi	Khem Chand	39	SC	Agri.	Troh
6	Hima Devi	Hari Singh	31	SC	Agri.	Troh
7	Vandana Kumari	Khushal Singh	27	SC	Agri.	Troh

2. Geographical details of the Village

3.1	Distance from the District HQ	::	20 Km
3.2	Distance from Main Road	::	5 Km
3.3	Name of local market & distance	::	Nerchowk 5 Km
3.4	Name of main market & distance		Mandi, 18 Km & Sunder nagar 14 Km.
3.5	Name of main cities & distance		Mandi, 20 Km
3.6	Name of main cities where product will be sold/ marketed	::	HP Forest Deptt. & Mandi

3. Description of Product related to Income Generating Activity

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

4. 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 makes it 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.

5. Description of Production Planning

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

	cycle (Kg) per member		
--	-----------------------	--	--

6. Description of Marketing/ Sale

7.1	Potential market places	::	HP Forest Deptt.
7.2	Distance from the unit	::	Local market Use on own farm
7.3	Demand of the product in market place/s	::	HP Forest deptt is procuring huge vermi-compost for their nursery
7.4	Process of identification of market	::	PMU will facilitate the tie up of procurement of vermi-compost produced by SHG by HP Forest deptt.
7.5	Marketing Strategy of the product		SHG members will also explore the additional marketing options around their villages for better sale price in future.
7.6	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
7.7	Product "slogan"		"Nature Friendly"

7. SWOT Analysis

❖ Strength

- ☉ Activity is being already done by some SHG members.
- ☉ Each of the SHG members are having cattle varying from 2 to 3 in each household.
- ☉ Families of SHG members are cultivating high value crops & vegetables which offer adequate availability of raw materials i.e. farm organic wastes throughout the year.
- ☉ 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**

- ☉ Effect of temperature, humidity, moisture on manufacturing process/product.
- ☉ 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

8. 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.

9. 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	Construction of Pit and shed								
1	Construction as well as labour cost (Pit Size internal will be of 10ftX4ftX2ft)	Per member	7	6000	42000	0	0	0	0
2	Erection of cover shed	Per member	7	4000	28000				
	Sub-total (A.1)				70000	0	0	0	0
A.2	Machinery and equipment								
2	Tools, equipment, weighing scale etc.	Per member	7	2000	14000	0	0	0	0
	Sub-total (A.2)				14000	0	0	0	0
	Total Capital Costs (A.1+A.2)				84000	0	0	0	0

B	Recurring Costs																
5	Seed earthworm	Per Kg	7	500	3500	0	0	0	0	0	0	0	0	0	0	0	0
6	Cost of procurement of Slurry/dung/waste	Tonnes	37	900	33300	34965	36713	38549	40476								
7	Labour Cost	Per tonne	18	700	12600	13230	13892	14586	15315								
8	Packing materials	No.	4000	2	8000	8400	8820	9261	9724								
9	Other handling charges	Per tonne	18	150	2700	2835	2977	3126	3282								
C	Other charges																
10	Insurance	L/S			0	0	0	0	0	0	0	0	0	0	0	0	0
11	Interest on loan	Per annum		2 per cent	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
	Total recurring costs				63100	62430	65402	68522	71798								
	Total cost = Capital and recurring				147100	62430	65402	68522	71798								
D	Income from vermicomposting																
12	Sale of vermicompost	Tonnes	18	6000	108000	113400	119070	125024	131275								

7	Net present worth of benefits @15 per cent	621268								
8	Benefit Cost Ratio	1.50								

10. Inferences of Economic Analysis

- Pit size for each member has been planned at 10X4X2 ft.
- Cost of production of vermi-compost comes to Rs. 3.3 per Kg.
- Sale of vermi-compost (conservative side) is Rs. 6 per Kg.
- Net profit will be Rs. 2.7 per Kg.
- It is proposed that each member will produce 2.7 tonnes of vermi-compost every year resulting in production of 30 tonnes vermi-compost by all 11 members of SHG in one year.
- Cost of earthworm has been kept at Rs. 500.00 per kg.
- During the second years onwards, there will be surplus earthworm for sale (as it will multiply during the process of production of vermi-compost).
- The vermi-compost making is a profitable IGA and can be taken up by the SHG members.

11. Fund requirement:

Sl. No.	Particulars	Total Amount (Rs)	Project support	SHG contribution
1	Total capital cost	84000	63,000	21000
2	Total Recurring Cost	63100	0	63100
3	Trainings/ capacity building/skill up-gradation	50000	50000	0
	Total =	197100	113000	84100

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

12. Sources of fund:

Project support;	<ul style="list-style-type: none"> • 75% of capital cost will be utilized for construction of pit 	Procurement of materials for pit and shed/construction of pit
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	<p>and shed (Size will be of 10ftX4ftX2ft)</p> <ul style="list-style-type: none"> Rs 1 lakh as revolving will be parked in the SHG bank account (should be utilized for taking bank loan) Trainings/capacity building/ skill up-gradation cost. In case SHG take loan from bank the subsidy of 5% interest rate will be deposited directly to the Bank/Financial Institution by DMU and this facility will be only for three years.SHG have to pay the installments of the Principal amount on regular basis. 	<p>and shed will be done by respective DMU/FCCU after following all codal formalities.</p>
G contribution	<ul style="list-style-type: none"> 25% of capital cost to be borne by SHG. Recurring cost to be borne by SHG 	

13. Bank loan repayment

If the loan is availed from bank it will be in the form of cash credit limit and for CCL there is not repayment schedule; however, the monthly saving and repayment receipt from members should be routed through CCL.

- In CCL, the principal loan outstanding of the SHG must be fully paid to the banks once a year. The interest amount should be paid on a monthly basis.
- In term loans, the repayment must be made as per the repayment schedule in the banks.
- Project support - The subsidy of 5% interest rate will be deposited directly to the Bank/Financial Institution by DMU and this facility will be only for three years. SHG/CIG have to pay the installments of the Principal amount on regular basis

14. 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
- Group Concept and Management
- Introduction to IGA (General)
- Marketing and Business Plan Development
- Bank Credit Linkages & Enterprise Development
- Exposure Visit of SHGs/ CIGs – Within the State& Outside State

15. 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.

Group members Photos –



सहमति पत्र

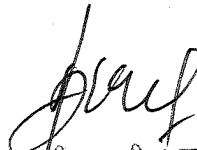
आज दिनांक 10-6-2021 को महादेव स्वयं सहायता समूह की बैठक प्रधान श्रीमतीSumitra Devi.....की अध्यक्षता में हुई जिसमें समूह के सदस्यों ने सर्वसहमति से निर्णय लिया गया कि आय बढ़ाने के लिए केंचुआ खाद बनाने का कार्य करने के लिए हिमाचल प्रदेश वन पारितंत्र प्रबंधन एवं आजीविका सुधार परियोजना (जायका परियोजना) से जुड़ने की सहमति प्रदान करते हैं ।

Pandana
समूह के सचिव के हस्ताक्षर

Sumitra Devi
समूह के प्रधान के हस्ताक्षर

Sumitra Devi
प्रधान
महादेव S.H.C.
तह० बल्ह, जिला मण्डा (हि०प्र०)

Pandana
सचिव


प्रशिक्षण और ग्रामीण वन विकास समिति
गांव व डा० द्रोह तह० बल्ह
जिला मण्डा (हि०प्र०)

सहायित्व स्वयं सहायता समूह :-

आज दिनांक 10-6-2021

कौ लगभग पंचपास होट के बाई 10-6-2021 में
 महादेव स्वयं सहायता समूह की बैठक की गई
 इस बैठक की अध्यक्षता आशीष वर्मा विकास
 आशीष ने प्रधान श्री निवेशा जी ने की। इस बैठक
 में परिचयनामिकाएँ व कार्यकारी कार्यवाहीयों ने
 ज्ञान लिया। यह बैठक बैठक कुआरि के माता
 में आयोजित की गई। इस बैठक में समूह की
 इसकी आह्वानों ने निर्णय किया कि वी अपनी
 आजीविका बढ़ाने हेतु केंद्रता रवाव बनाने
 का कार्य करेंगी इस कार्य को कुआरि सप
 ने चलाने के लिए जायका नये परिचयनाम उपस्था
 हतपत्रा देगी। उपस्थित महिलाओं द्वारा वसुधैविका
 उपस्थि के प्रतीतिाह के साथ चर्चा
 उपरान्त निदेशानिर्देशन प्रस्ताव पारित किया जाया।

प्रस्ताव 2: महादेव स्वयं सहायता समूह अपनी

आजीविका बढ़ाने के लिए केंद्रता रवाव
 बनाने का कार्य करेंगी। माता के सभी महिलाओं
 ने सहकार्य के लिए सभी निदेशाई। जसका परिचयनाम
 सपना की सदस्यों का केंद्रता रवाव बनाने हे
 शिवाईर देता और shed बनाने में सहायता
 करेगा।

प्रस्ताव 3: केंद्रता रवाव बनाने की गतिविधि में

बनाए गए "Business Plan" की आधार बनने हेतु
 पूंजी लागत रु० प्रारंभिक वहन करेगा 75% परिचयनाम
 द्वारा सहायता के रूप में दिया जाएगा।

प्रस्ताव 3.2

केंद्रता रवाव के निर्माण कार्य में उपयोग
 लाता जोवर और most material का समूह स्व
 वहन करेगा।

बैठक में लिए गए प्रस्तावों पर सभी
 ने अपनी सहमति दी। महिलाएं जायका परिचयनाम
 के सहायता से इस कार्य को करने में सहायता
 बैठक में निदेशानिर्देशन अवसरों में आता होगा

सदस्यों के नाम

हरनाथर

- 1 निवेशा देवी NLSana
- 2 सुनिता देवी Sunita
- 3 वंदना कुआरि (varanava)
- 4 रीनेशा कुआरि
- 5 आशा देवी
- 6 चर्चा देवी
- 7 प्रताप देवी
- 8 सुनिता देवी
- 9 शिला देवी
- 10 अंशु बाबा
- 11 अंशु देवी
- 12 हिमा देवी
- 13 कोना देवी

अनुलग्नक- IV :: रिवाँल्विंग फंड की मांग के लिए प्रारूप

आजीविका सुधार के कार्यों का समर्थन - परिक्रामी निधि (Revolving Fund)
(तीन प्रतियों में तैयार होना है)

गाँव का नाम	::	Troth
VFDS/ BMC का नाम	::	लखवदाता पीर ग्रामीण वन विकास समिति
कार्यकारी समिति की बैठक की तारीख	::	24-6-2021
एजेडा	::	1. सहादेव स्वयं सहायता 2. समूह द्वारा केंचुआ खाद बनाने के बारे में प्रस्ताव डाला गया।
कार्यकारी समिति सदस्यों की संख्या	::	8
प्रतिभागियों की संख्या	::	25

कार्यकारी समिति की बैठक के कार्यवृत्त की कॉपी विधिवत स्व-संलग्न है।

हमारे गाँव की CD&LI योजना के अनुसार, गाँव, VFDS/ BMC-उपसमिति के, उपयुक्त अधिकारियों द्वारा विधिवत अनुमोदित उनके अनुमोदन पत्र दिनांक 24-6-21 को जीपी प्रेरक/ वार्ड फैसिलिटटर और FTU समन्वयक के परामर्श से, गाँव/ VFDS/ BMC-उपसमिति की कार्यकारी समिति CD&LI फंड की आवश्यकता से संबंधित मामला - सामुदायिक विकास गतिविधियों के पूरक - Revolving fund for IGA पर चर्चा की गई है और बैठक में विचार-विमर्श किया गया है।

विचार-विमर्श और चर्चा के बाद, कार्यकारी समिति ने सहमति व्यक्त की है और पात्र SHG को उपलब्ध कराने के लिए परियोजना से परिक्रामी निधि (Revolving Fund) उपलब्ध कराने का प्रस्ताव किया है ताकि वे स्थायी आजीविका के माध्यम से SHG सदस्य अपने सामाजिक-आर्थिक स्थिति में सुधार कर सकें।

क्रमांक	समूह का नाम	आजीविका का नाम	आजीविका करने वाले सदस्यों की संख्या	कुल फंड की आवश्यकता (रु.)	परियोजना से सहायता (रु.)	बैंक से सहायता (रु.)
1	सहादेव	केंचुआ खाद	7	147100	63000	—
2				प्राशिक्षण	50000	—
				Revolving fund	100000	—
					213000	

प्राधिकृत हस्ताक्षरकर्ताओं के नाम और हस्ताक्षर

1) सुमित्रा देवी Sumitra Devi	श्री. धनी राय — यणीबान
2) कान्ता देवी Kantar Devi	ज्योता देवी 4 ज्योता देवी
3) श्रीमती हिमा देवी Hima Devi	श्री. दिनेश कुमार
3) वन्दना कुमारी Vandana	ज्योता देवी 4 ज्योता देवी
4) Nisha Devi	श्री. शोभा राय
Nisha Devi	Sabha Ram

FTU के माध्यम से DMU को प्रस्तुत किया गया

श्री. राजेश ठाकुर Rk
एफटीयू अधिकारी का नाम और हस्ताक्षर
सुनीता कुमारी
एफटीयू समन्वयक का नाम और हस्ताक्षर
Mandi Forest Range

अनुमोदित एवं स्वीकृत

SW

DMU-Cum-D.F.O.

Mandi (H.P.)

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