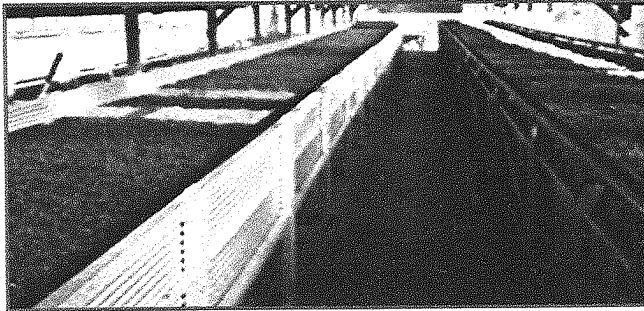
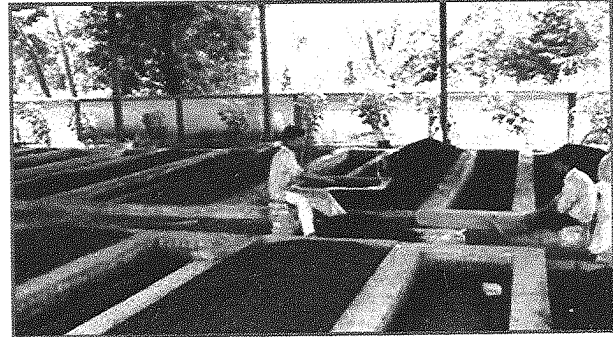
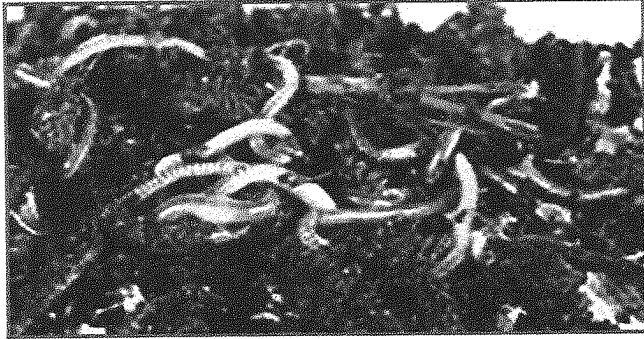


BUSINESS PLAN

INCOME GENERATING ACTIVITY –Vermin-compost

By

Hari Om -Self Help Group



SHG/CIG Name	::	Hari Om
VFDS Name	::	Hari Om
Range	::	Mandi
Division	::	Mandi

Prepared under:



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

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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 and process is known as vermicomposting and product as vermicompost. 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 in it.

1. Description of SHG/CIG

SHG/CIG Name	::	Hari Om Women SHG
VFDS	::	Hari Om
Range	::	Mandi
Division	::	Mandi
Village	::	Sakroha
Block	::	Sadar
District	::	Mandi
Total No. of Members in SHG	::	10- Females
Date of formation	::	10/2020
Bank a/c No.	::	871613000-93794
Bank Details	::	Punjab & Sind Ner Chowk
SHG/CIG Monthly Saving	::	Rs. 100.00
Total saving		Rs. 4000
Total inter-loaning		--
Cash Credit Limit		--
Repayment Status		Very good

2. Beneficiaries Detail:

Sr. No	Name	Father/ Husband Name	Age	Category	Income Source	Address
1	Smt. Antra Devi	Sh. Mahender Singh	50	SC	Agri.	Sakroha
2	Smt. Sapana Devi	Sh. Sanju	32	SC	Agri.	Sakroha
3	Smt. Dharmi Devi	Sh. Tara Chand	36	SC	Agri.	Sakroha
4	Smt. Champa Devi	Sh. Nokhu Ram	39	SC	Agri.	Sakroha
5	Smt. Pawani Devi	Sh. Kanouru	48	SC	Agri.	Sakroha
6	Smt. Soma Devi	Sh. Tulsi Ram	43	SC	Agri.	Sakroha
7	Sh. Narvda Devi	Late Sh. Puran	47	SC	Agri.	Sakroha
8	Smt. Bimla Devi	Sh. Chet Ram	63	SC	Agri.	Sakroha
9	Smt. Meera Devi	Sh. Shiv Ram	45	SC	Agri.	Sakroha
10	Smt. Priyanka	Sh. Kashmir Singh	23	SC	Agri.	Sakroha

3. Geographical details of the Village.

3.1	Distance from the District HQ	::	13 Km
3.2	Distance from Main Road	::	5 Km
3.3	Name of local market & distance	::	Nerchowk 12 Km
3.4	Name of main market & distance		Mandi, 13 Km
3.5	Name of main cities & distance		Mandi, 13 Km
3.6	Name of main cities where product will be sold/ marketed	::	HP Forest Deptt. & Mandi

4. 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
-----	---------------------------------------	----	-----

5. 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 vermin-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.

6. 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 cycle (Kg) per member	::	900 Kg per cycle

7. 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	::	HO 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"

8. 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

9. 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

10. 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	10	6000	60000	0	0	0	0
2	Erection of cover shed	Per member	10	4000	40000				
	Sub-total (A.1)				100000	0	0	0	0
A.2	Machinery and equipment								
2	Tools, equipment, weighing scale etc.	Per member	10	2000	20000	0	0	0	0
	Sub-total (A.2)				20000	0	0	0	0
	Total Capital Costs				120000	0	0	0	0

	(A.1+A.2)																		
B	Recurring Costs																		
5	Seed earthworm	Per Kg	10	500	5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Cost of procurement of Slurry/dung/waste	Tonnes	60	900	54000	56700	59535	62512	65637										
7	Labour Cost	Per tonne	30	700	21000	22050	23153	24310	25526										
8	Packing materials	No.	5000	2	10000	10500	11025	11576	12155										
9	Other handling charges	Per tonne	30	150	4500	4725	4961	5209	5470										
C	Other charges																		
10	Insurance	L/S			0	0	0	0	0										
11	Interest on loan	Per annum		2 per cent	3000	3000	3000	3000	3000										
	Total recurring costs				98000	96975	101674	106607	111788										
	Total cost = Capital and recurring				218000	96975	101674	106607	111788										
D	Income from vermicomposting																		

12	Sale of vermicompost	Tonnes	30	6000	180000	189000	198450	208373	218791
13	Sale of earthworm					5500	11000	11000	11000
13	Total revenue				180000	194500	209450	219373	229791
13	Net returns (C-B)				82000	97525	107776	112765	118003

Note – As SHG members will perform certain activities like labour work etc and Vermim compost pit will be set up on their land, therefore, recurring cost (Lease of land, Labour Cost, Other miscellaneous expenses) can be deducted from total recurring cost.

Economic Analysis.

S. No	Particulars	Year 1	Year 2	Year 3	Year 4	Year 5	
1	Capital cost	120000	0	0	0	0	
2	Recurring cost	98000	96975	101674	106607	111788	
3	Total cost	218000	96975	101674	106607	111788	647044
4	Total benefits	180000	194500	209450	219373	229791	1033114
5	Net benefits	-50000	97525	107776	112765	118003	386070

6	Net present worth of cost @15 per cent	647044						
7	Net present worth of benefits @15 per cent	1033114						
8	Benefit Cost Ratio	1.60						

11. 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 tons of vermi-compost every year resulting in production of 30 tones 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 earthwork 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.

12. Fund requirement:

Sl. No.	Particulars	Total Amount (Rs)	Project support	SHG contribution
1	Total capital cost	120000	99,000	33,000
2	Total Recurring Cost	98000	0	98000
3	Trainings/ capacity building/skill up-gradation	50000	50000	0
	Total =	268000		

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

13. Sources of fund:

Project Support	<ul style="list-style-type: none"> • 75% of capital cost will be utilized for construction of pit and shed (Size will be of 10ftX4ftX2ft) 	Procurement of materials for pit and shed/construction of pit and shed will be done by respective DMU/FCCU after
-----------------	--	--

	<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 instalments of the Principal amount on regular basis. 	following all codal formalities.
G contribution	<p>.25% of capital cost to be borne by SHG.</p> <ul style="list-style-type: none"> • Recurring cost to be borne by SHG 	

14. 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

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:

- ☉ 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


16. Monitoring Mechanism

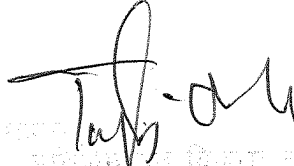
- Social Audit Committee of the VFDS will monitor the progress and performance of the IGA and suggest corrective action if need be to ensure operation of the unit as per projection.
- SHG should also review the progress and performance of the IGA of each member and suggest corrective action if need be to ensure operation of the unit as per projection.

Group members Photos -

सहमति पत्र

आज दिनांक ५-५-२०२१ को हरी ओम स्वयं सहायता समूह कि बैठक प्रधान श्रीमती अतरा देवी कि अध्यक्षता में हुई जिसमे 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 कि सहमति प्रदान करते हैं ।


समूह के सचिव के हस्ताक्षर



प्रधान
अतरा देवी
समूह के प्रधान के हस्ताक्षर

हरि ओम स्वयं सहायता समूह :-

आज दिनांक 4-4-2021 को ग्राम पंचायत सकरोहा में हरि ओम स्वयं सहायता समूह की बैठक की गई। इस बैठक की अध्यक्षता हरि ओम वन विकास समीति के प्रधान श्री तुलसी राम जी ने की। इस बैठक में परियोजनाधिकारी व कर्मचारियों ने भाग लिया। यह बैठक गुरुद्वारा के प्राण में हुई। इस बैठक में समूह की महिलाओं ने ग्राम-लिये निर्णय किया कि वह अपनी आजीविका बढ़ाने के लिए केचुआ खाद बनाने का कार्य करेगी। इस कार्य को सुचारु रूप से चलाने के लिए जायका वन परियोजना अपना सहयोग देगी। उपस्थित महिलाओं द्वारा परियोजना के प्रतिनिधि के साथ नयी उपरान्त विमन लिखित पुस्तक पारित किया गया है।

प्रस्ताव न-1

हरि ओम स्वयं सहायता समूह अपनी आजीविका बढ़ाने के लिए केचुआ खाद बनाने का कार्य करेगी। समूह की सभी महिलाओं ने इस कार्य को करने में अपनी रुची दिखवाई। जायका परियोजना समूह सदस्यों को केचुआ खाद बनाने से सम्बन्धित प्रशिक्षण देगा। और SHED बनाने में सहायता करेगा।

प्रस्ताव न-2

केचुआ खाद बनाने की गतिविधि में बनारस गुरु विलेख प्लान का आधार मानते हुए समूह पुंजी लागत का 25% वहन स्वयं करेगा तथा 75% परियोजना द्वारा सहयोग के रूप में दिया जायेगा।

प्रस्ताव न-3

केचुआ खाद के निर्माण कार्य में उपयोग होने वाले गीबर और (Waste Material) को समूह स्वयं वहन करेगा। बैठक में लिए गए प्रस्तावों पर सभी महिलाओं ने अपनी सहमति दी। महिलाएं जायका परियोजना के सहयोग द्वारा इस कार्य को करने में सहमत हैं।

इस कार्य को करने में हरि ओम वन विकास समीति

PAGE

की सदस्यता है।

यह प्रस्ताव सर्व सदस्यता से पास किया गया है। इसमें ह
मौम वन विकास समिति को कोई आपत्ति नहीं है।
वैठक में निम्नलिखित सदस्यों ने भाग लिया:-

क्र.सं.	नाम	हस्ताक्षर
1	(1) श्री कुलसी राम	कुलसी राम
	(2) श्री पूर्णचन्द्र	पूर्णचन्द्र
2	(3) श्रीमती अतारा देवी	अतारा देवी
	(4) श्रीमती सपना देवी	सपना देवी
	(5) श्रीमती सौभा देवी	सौभा देवी
3	(6) श्रीमती पवना देवी	पवना देवी
	(7) श्रीमती चम्पा देवी	चम्पा देवी
	(8) श्रीमती विमला देवी	विमला देवी
4	(9) श्रीमती दामि देवी	दामि देवी
	(10) श्रीमती भीरा देवी	भीरा देवी
	(11) श्रीमती प्रियंका देवी	प्रियंका देवी
	(12) श्रीमती नरवदा देवी	नरवदा देवी

प्रधान
हरिमौम वन विकास समिति
गांव व डा० संकरास
तह० बल्लू जिला मण्डी (हि०प्र०)

Impressions

PAGE

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	::	सकरोटा
VFDS/ BMC का नाम	::	हरि ओम वन विकास समिति
कार्यकारी समिति की बैठक की तारीख	::	16-6-2021
एजेडा	::	1. कैचुआं खाद का निर्माण 2.
कार्यकारी समिति सदस्यों की संख्या	::	11
प्रतिभागियों की संख्या	::	10

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 14-14-2021 को जीपी प्रेरक/ वार्ड फेसिलिटेटर 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	हरि ओम	कैचुआं खाद	10	268,000	99,000	-
2				प्रशिक्षण	50,000	-
				Revolving fund	1,00,000	
				Total	= 249,000	

प्राधिकृत हस्ताक्षरकर्ताओं के नाम और हस्ताक्षर

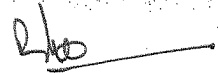
1 श्रीमती देवी Dhaini Devi	2 श्री तुलसी राम Tulsi Ram
3 श्रीमती अलरा देवी अलरा देवी	1 श्री पूर्णचन्द्र Purna Ch
श्रीमती सपना देवी सपना देवी	श्री डागू राम Dagoo Ram

FTU के माध्यम से DMU को प्रस्तुत किया गया

सुनीता कुमारी
एफटीयू अधिकारी का नाम और हस्ताक्षर



श्री राजेश ठाकुर
एफटीयू समन्वयक का नाम और हस्ताक्षर



नियंत्रण अधिकारी
Mandi Forest Range

अनुमोदित एवं स्वीकृत



DMU-Off-D.F.O.

DMU अधिकारी का नाम और हस्ताक्षर