



GUIDELINES ON STATE PLAN SCHEME

**“Vermicompost - Godhan Kendra”
FOR THE YEAR 2023-24**

UNDER

Animal Welfare Activities

Total Project Cost:	Rs. 2031.00 lakhs
State Share:	Rs.1000.00 lakhs
Farmers Share:	Rs. 1031.00 lakhs

**Directorate of Animal Husbandry & Veterinary Services,
Odisha, Cuttack**

Introduction:

Goshalas, or cattle shelters, play a crucial role in addressing the welfare of stray and abandoned cattle while contributing to sustainable agricultural practices. In the state of Odisha, with a significant population of stray cattle, the need for sustainable Goshalas has become more pronounced. As of the provided data, there are 79 registered private Goshalas across the state.

Odisha has stray cattle population of around 1.52 lakh, which poses challenges to both public safety and agricultural sustainability. The existing Goshalas, comprising both registered and non-registered ones, have been instrumental in providing shelter and care to these animals. However, sustaining these Goshalas financially and operationally remains a significant concern.

Aim:

The aim of the scheme is to support Goshalas, livestock farmers, Milk Cooperative Societies to take up vermin compost units for enhancing income of livestock farmers.

Objective:

- Increasing income of cattle rearers /Goshalas
- Improving financial viability of Goshalas
- Increasing use of organic manure

Target Beneficiaries:

Under the scheme it is targeted to cover minimum 50 numbers of Goshalas/ livestock farmers/ Milk Cooperative Societies will be covered during the year 2023-24.

Selection of Beneficiaries:**Selection of farmers and Modalities of Implementation:**

- i. The willing Goshala/ livestock farmers/ Milk Cooperative Societies will be eligible to avail support.
- ii. Each entrepreneur will apply in prescribed format **Annexure - I** to the respective Block Veterinary Officer (BVO)/ADVO (AW)/CDVO with Detailed Project Report (DPR) for vermicompost unit from 8 pit to 24 pit.
- iii. The Block Level Inspection Team (BLIT) will visit the site and recommended the application for District Level Committee (DLC) for approval.
- iv. The Go-ahead letter will be issued by the CDVO as per **Annexure- II** as approved by DLC. After issue of Go ahead letter the construction work must be started within 60 days otherwise, a 15 days' notice will be served to the



beneficiary to remind to start the work. If the beneficiary fails to start, then the Go-ahead will stand cancelled. The BVO shall take the Geo-tag photo of non start of work & denial letter from beneficiary. Then new beneficiary from the waiting list will be selected and issued with Go-ahead letter.

- v. The selected beneficiary to start the work within 2 months of issue of Go ahead letter. In case of failure to do so, a formal notice must be served to initiate the work within next 15 days failing of which the go ahead issued will be cancelled and issued to an eligible beneficiary either new / in the waiting list.
- vi. The concerned block and district officers are to verify the documents properly, obtain his/ her consent for approval and issue of Go- ahead letter.
- vii. The BVO shall compile the Block wise applications and thereafter undertake a joint verification in transparent manner of the proposed vermi compost unit. The Block Level Inspection Team (BLIT) shall comprise of the following members
 - a. BVO/AVAS/VAS
 - b. Block JE or Block Engineering personnel
 - c. Block Level Horticulture Officer/ Representative
- viii. The plan and estimates of Godhan Kendras is to be prepared by local JE/AE/AEE of concerned block and the civil work may be carried out as per provisions of OPWD Code.
- ix. The beneficiary will be provided 50% subsidy or a maximum Rs. 10 Lakh (Rupees Ten Lakh) subsidy of the unit cost.
- x. The subsidy amount shall be released to the bank account of the beneficiary through DBT mode in two phases i.e. 50% of the subsidy shall be released after construction of the vermi compost pit and shed and rest 50% of the subsidy shall be released after 1st cycle of vermin-compost production.
- xi. After issue of the go-ahead letter, the beneficiary will construct vermicompost bed and shed as per specification. After completion of vermin compost bed and shed, the beneficiary will intimate the local AVAS/ BVO in the format enclosed at **Annexure-III**. The Block Veterinary Officer along with the block horticulture representative and Block JE shall inspect the units within 2 weeks and take geo-tagged photographs of the completed vermin bed and sheds and the BLIT will submit the 1st phase asset verification report of the construction of vermin bed and sheds enclosing the geo-tagged photograph in the format of the Asset verification, report is annexed as **Annexure-IV** to the CDVO for release of 50%

of the subsidy to the bank account of the beneficiary.

- xii. After 1st cycle of vermin-compost production the BLIT will verify the unit and recommend for release of 2nd phase of subsidy to the CDVO in **Annexure-IV**.
- xiii. All projects shall be Geo tagged with photographs and release of subsidy be made only after joint verification of the project by concerned BLIT.
- xiv. Those beneficiaries who have availed subsidies in similar type of scheme of Govt. of India or State Government previously shall not be included under this scheme.
- xv. The vermicompost unit will be fully managed by the Goshalas/MPCS/Livestock farmers.
- xvi. The model project proposal with specifications of vermicompost unit is annexed at **Annexure-V**
- xvii. The Goshalas/MPCS/Livestock farmers will arrange land for establishment of vermi unit of their own.
- xviii. Accordingly, Goshalas/MPCS/Livestock farmers, will construct the vermi shed in own farm or goshala.
- xix. No additional manpower or Consultants shall be engaged for implementation of the scheme. This scheme shall be implemented with existing field staff.
- xx. The beneficiary will fix the sign board on the details of the scheme (scheme name, year of implementation, beneficiary/goshala name and address, cost of the project, unit size, unit cost, subsidy.etc
- xxi. The District wise indicative target of beneficiary/goshala to be covered is at **Annexure - VI**.

Land Ownership:

The Goshalas/MPCS/Livestock farmers will arrange land of minimum 1000 sq.ft (for 8 pit) for establishment of vermi unit of their own. For subsequent pits 125 sq.ft land should be added. The land must be in the name of concerned Goshalas /MPCS/Livestock farmers or should be leased in their name for a minimum period of 10 years. The beneficiary shall furnish the following documents in support of land ownership.

- a. ROR document
- b. Lease deed

lh

Training of the Beneficiary:

- I. Training will be organized at State/District level or any other convenient place after final approval of the list.
- II. Beneficiary should be trained on recommended management practices on vermin composting, shed care & management of vermin worm, packaging and record keeping etc. The expenditure may be met out of the Administrative cost provisioned in the scheme.
- III. The concerned BVO/VAS/AVAS/Block JE and Block Level Horticulture will have to guide the beneficiary/goshala in field for managing the vermi units.
- IV. After the completion of vermin compost Godhan Kendra unit each Godhan Kendra may aware at least 100 nos. of livestock farmers including farmers from SC/ST & other communities on preparation of vermi compost and other products like Jiba Ambrut, Amrut Pani, Go Krupa Khat, Go Krupa Amrut, Go Kasta, Pain, Phenyl etc and its use.
- V. The Goshala will open counter in its premises for sale vermi compost.

Procurement of cow dung:

The Goshalas/MPCS/Livestock farmers will directly procure cow dung /agri waste from the livestock farmers or utilize own cow dung/ agri waste from Goshalas or farm.

IEC Activities to be taken up

It is proposed to take up massive IEC activities to popularize the scheme as it is new one in order to draw attention of entrepreneurs. Further the IEC activities will help in marketing of vermin compost & other products & to have public aware.

- a. A meeting will be organized by Directorate of AH&VS involving Goshals/ interested NGOs working in the field of animal welfare.
- b. Adequate sanitization about the scheme will be taken up.
- c. A dateline will be indicated for knowledge of potential Goshalas / livestock farmers/ Milk Cooperative societies for submission of applications.
- d. Publicity campaign through social media to be taken up.

Monitoring and Supervision:

- The ADVO (AW) will be the Nodal Officer for the scheme.
- The BVO/Block level Horticulture Officer / Block JE will provide all technical guidance to the beneficiaries for maintaining proper vermin bed.



- Regular supervision and monitoring will be done by the Directorate of AH & VS. The scheme will be reviewed by the Directorate of AH&VS on a fortnightly basis.
- Proper documentation will be done by taking geo tagged photographs of each unit along with the beneficiary.
- The CDVO of the district will supervise and monitor the implementation of the scheme with the field functionaries along with ADVO (AW)/ SDVO.
- All data with regards to the scheme should be entered online on the DSS portal at Block and district level.
- The monthly progress report will be submitted by CDVO every month in the online DSS portal and also communicate the ink signed report to the Directorate of AH & VS on last day of every month.

Release of Subsidy:

- The beneficiary shall start the construction work within 60 days from the date of issue of Go-ahead letter. Otherwise, a notice will be served to start the work within next 15days. If failed, the Go-ahead will stand cancelled.
- The beneficiary should complete the vermicompost unit in all respect within 3 months of start of work.
- The BLIT team will physically visit the site after intimation by the beneficiary upon successful completion of vermin pit, shed and upon verification by BLIT, the 1st installment of subsidy will be released. The BLIT should submit their verification report to the concerned CDVO in the prescribed format at **Annexure -IV**.
- After 1st cycle of vermin-compost production, asset verification shall be made jointly by ADVO (AW), SDVO of concerned Subdivision, any one officer from ADVO (LP)/ ADVO (DC)/ Dy. Director (VH). The team should submit their verification report to the concerned CDVO in the prescribed format at **Annexure -IV**.

Scheme Layout (Per Unit):

Sl. No.	No. of pits	Tentative production of vermin-compost	Unit Cost (Rs. In Lakh)	Assistance from State (Rs. In Lakh)	Beneficiary share (Rs. In Lakh)
1	8	100	7.04	3.52	3.52
2	10	125	8.37	4.18	4.19

3	12	150	9.7	4.85	4.85
4	14	175	11.14	5.57	5.57
5	16	200	12.87	6.44	6.44
6	18	225	15.34	7.67	7.67
7	20	250	16.96	8.48	8.48
8	22	275	18.47	9.23	9.24
9	24	300	20.31	10.00	10.31

A Model Project Proposal with Component wise breakup of vermicompost Unit is placed at Annexure V.

Time Frame: 2023-2024

Items	Quarter	Dec	Jan	Feb	Mar
Submission of the application by beneficiary / feasibility report by BLIT/ Selection of beneficiary					
Issue of Go-ahead by CDVO					
Vermi Pit and Shed construction completion by beneficiary /Goshala					
Inspection by BVO					
Release of subsidy by CDVO					

lm

**Application for assistance for establishment of Vermri compost Godhan
Kendra Scheme under State Plan for the year 2023-24**

Attested recent
Photograph

To,

The Chief District Veterinary Officer,
.....

1. Name of the Goshala/MPCS/Livestock Farmer
.....

(in CAPITAL letter)

2. Aadhaar No/Registration No: (Attach the Photocopy)
.....

3. Residential address/Address for communication
.....
.....
.....

4. Permanent address
.....
.....

5. Contact no

6. Location of the project (Village, GP, Block, District)

7. Annual Income
.....

8. Source of procurement of Cow dung
.....

9. Availability of land for vermi compost 2400 -3000 sqft

Undertaking

The above information furnished by me is true to the best of my knowledge and belief. I shall abide the guidelines/ instructions of the project if assisted under the scheme. If any information on my behalf is found false and incorrect or deviate to fulfill the objectives of the project, I shall be liable to refund the entire assistance received, forthwith and concerned authority may take all kinds of legal action against me.

Place:

Date:

Applicant's Signature

Countersignature of the BVO

(Office Seal)

ln

OFFICE OF THE CHIEF DISTRICT VETERINARY OFFICER

GO-AHEAD LETTER

Letter No.: _____ **/Date** _____,

Sri/Smt. _____
_____, category _____ S/O, D/O, W/O _____ is willing to set
up a vermin unit in your farm of Village: _____, GP:
_____ Block _____ Dist: _____ which was verified/
inspected by the BVO on dated and recommended your
application based on which this Go-ahead is being issued in favour
of _____ .

You shall start the construction work within 60 days from the date of issue of Go-ahead letter. Otherwise, a notice will be served to start the work within next 15days. If failed, the Go-ahead will stand cancelled. You should complete the vermicompost unit in all respect within 3 months of start of work.

After successful completion of vermin pit, shed and upon verification by BLIT, the 1st installment of subsidy will be released. Similarly, after 1st cycle of vermin-compost production & verification by the team as mentioned in the guideline the 2nd phase of subsidy will be released.

You are requested to intimate the Block Veterinary Officer immediately after construction of vermin pit, shed and 1st cycle production of vermin compost in the prescribed format for asset verification.

Chief District Veterinary Officer

lh

Format for Intimation by beneficiary

To

The Block Veterinary Officer,

Sub: Completion of vermin unit

Sir/ Madam,

As per the Go-Ahead letter received, I have completed the construction work of shed & required number of pits for production of vermin compost / the production of 1st cycle vermin compost in my farm / Goshala on dated _____.

Therefore, I request you to visit our Goshala/farm for asset verification.

Yours faithfully,

(Name in Full)

Signature of the applicant

Mobile No :

Address:



Asset verification report by BLIT

1. Name of the Beneficiary/Goshala

2. Address:

3. Name of the Block:

4. 1st phase asset verification

i. Type of the Shed :

ii. Number of vermin pit & size:

iii. Construction as per specification: Yes/ No

iv. Eligible amount of subsidy:

5. 2nd phase Asset Verification

i. Source of Procurement of vermin worm:

ii. Source of Procurement of cow dung/agri waste (Indicate no. of farmers):

iii. Approximate quantity of cow dung/agri waste procured:

iv. Quantity of Vermi compost produced in 1st Cycle:

v. Eligible amount of subsidy:

Certified, that the above particulars were verified at the Goshala/ farm of beneficiary by the BLIT.

The geo-tagged photographs of the vermin pit and shed along with beneficiary has been taken and enclosed for reference and the eligible amount of 1st phase subsidy as mentioned may be released.

The geo-tagged photographs of the vermin pit filled with vermicompost, vermiculture has been taken and enclosed for reference and the eligible amount of 2nd phase subsidy as mentioned may be released.

Signature of the beneficiary

Signature of the members of inspecting team



MODEL PROJECT PROPOSAL FOR VERMI COMPOST UNIT

The vermicompost production project aims to establish a sustainable and venture that produces high-quality organic fertilizer through the process of vermicomposting. The project will involve the cultivation of earthworms and the conversion of cow dung, organic waste into nutrient-rich vermicompost. This project report outlines the key aspects of the venture, including production process, financial projections, and implementation plan.

Shed Specification:

- Asbestos roof shed preferably open from all sides is required for making vermi beds.
- The sheds should be erected in east-west direction length wise to protect the site from direct sunlight.
- To facilitate drainage the base of the site should be raised 6 inches above the ground level.
- The size of each bed 12 ft x 4 ft x 2.5 ft.
- The height of the roof can be kept at 7-8 feet from the center and 5-6 feet from the side.
- Prepare the vermi beds by bricks and cement mortal keeping the bottom of the bed without plastering.
- A water channel should be made around the top of brick wall to deter ants from entering the beds
- The drainage outlet shall be kept at lower side of bed to collect vermiwash.
- There should be 1ft gap between the beds.

Area	Minimum 1000 Sq. ft for 8 pits & thereafter 125 sqft. per each additional pit
Centre height of the roof	7-8 feet
Overhang	2 feet
Ground level	1.5 feet
No. of beds	8-24
Specification of Bed LxBxH	12ftx4ft x2.5ft

Process of Vermicompost Preparation:

- ❖ Vermicomposting is done by pit method and it is done in the cemented pits.
- ❖ Vermicomposting unit should be in a cool, moist and shady site.
- ❖ Cow dung and chopped dried leafy materials are mixed in the proportion of 3:1 and are kept for partial decomposition for 15 – 20 days.
- ❖ A layer of 15-20cm of chopped dried leaves/grasses should be kept as

bedding material at the bottom of the bed.

- ❖ Each bed should contain upto 3 tonnes of raw material and there will be 8-24 nos. of beds.
- ❖ Red earthworm (2500-3000) should be released on the upper layer of bed.
- ❖ Water should be sprinkled with can immediately after the release of worms
- ❖ Beds should be kept moist by sprinkling of water (daily) and by covering with gunny bags/polythene.
- ❖ Bed should be turned once after 30 days for maintaining aeration and for proper decomposition.
- ❖ Compost gets ready in 45-50 days. The finished product is 3/4th of the raw materials used.

Harvesting:

When raw material is completely decomposed it appears black and granular. Watering should be stopped as compost gets ready. The compost should be kept over a heap of partially decomposed cow dung so that earthworms could migrate to cow dung from compost. After two days compost can be separated and sieved for use.

Economics of the Project:

Assumptions		
PARTICULARS	UNIT	QUANTITY
I. Techno-economic parameters		
One cycle of production	Days	75
Total cycles in a year	Nos.	5
II. Expenditure norms		
Agro waste	Rs./kg	1
Cow dung	Rs./kg	2
Mother earthworms	Rs./kg.	400
Cost of unskilled worker per month	Rs.	10,000
III. Income norms		
Rate of vermicompost	Rs./kg	10
Rate of vermiculture	Rs./kg.	400
Production of vermicompost per cycle	Tonns	100
Production of worms per tonne of vermicompost	Kg.	5

Ln

A. CAPITAL EXPENDITURE

Sl. No.	Particulars	Unit	Unit rate in Rs/-	No. of Pit								
				8 pit	10	12	14	16	18	20	22	24
1	Land Own Land											
2	Site Development	Ls.	Pit size	10000	10000	10000	20000	20000	20000	20000	30000	30000
3	Building											
	Cemented pit	12x4x2.5ft	24000	192000	240000	288000	336000	384000	432000	480000	528000	576000
	Shed of vermicompost unit, Platform with shed For Finished Goods	125 sq. ft per pit*of pit @ Rs 200 per sq. ft.		200000	250000	300000	350000	400000	450000	500000	550000	600000
	Water tank	Ls.		10000	10000	10000	10000	10000	10000	30000	30000	30000
4	Machinery & Equipments											
	Shovels, Spades, Crowbars, Iron Baskets & Others	Ls.		5000	5000	5000	5000	5000	10000	10000	10000	20000
	Motor Pump, Plumbing and fitting tools	Ls.		25000	25000	25000	25000	25000	50000	50000	50000	50000
	Power operated shredder	Nos.		10000	10000	10000	10000	10000	20000	20000	20000	20000
	Weighing scale & weighing machine	Nos.		10000	10000	10000	10000	10000	20000	20000	20000	20000
	Wheel barrows/ trolly with handle	Nos.		10000	10000	10000	10000	10000	20000	20000	20000	20000
	Sieving machine	Nos.		5000	5000	5000	5000	5000	5000	5000	5000	5000
	Culture tray	Nos.		5000	5000	5000	5000	5000	10000	10000	10000	10000
5	Misc. Fixed Assets	Ls.										
	Electrification costs incl. electrification, cabling cost, illumination, etc.	Ls.		25000	25000	25000	25000	50000	50000	50000	50000	50000
	Sub Total			507000	605000	703000	811000	934000	1097000	1215000	1323000	1431000
	Contigencies			3000	5000	7000	9000	16000	18000	25000	32000	34000
	Total project cost			510000	610000	710000	820000	950000	1115000	1240000	1355000	1465000
	GST	%	18	91800	109800	127800	147600	171000	200700	223200	243900	263700
	Sub Total (Capital Expn.)			601800	719800	837800	967600	1121000	1315700	1463200	1598900	1728700

B.	Working Capital											
1	Cost of Agro waste	@1 ton/pit	1000	8000	10000	12000	14000	16000	18000	20000	22000	24000
2	Cost of Cow dung	2.5 tons/pit	2000	40000	50000	60000	70000	80000	90000	100000	110000	120000
3	Cost of mother earthworm	3.5kg/pit	400	11200	14000	16800	19600	22400	25200	28000	30800	33600
4	Packing cost	LS		5000	5000	5000	5000	10000	10000	10000	10000	10000
5	electricity,water charges	LS		3000	3000	3000	3000	3000	5000	5000	5000	5000
6	Salary to unskilled workers	month	10000	20000	20000	20000	20000	20000	40000	40000	40000	60000
7	Transportation and office expences	LS		10000	10000	10000	10000	10000	20000	20000	20000	40000
8	Marketing expenses	LS		5000	5000	5000	5000	5000	10000	10000	10000	10000
9	Sub Total (working capital)			102200	117000	131800	146600	166400	218200	233000	247800	302600
	Total Project Cost			704000	836800	969600	1114200	1287400	1533900	1696200	1846700	2031300
	Subsidy @ 50 % or limited to Rs. 10 lakhs.			352000	418400	484800	557100	643700	766950	848100	923350	1000000
	Or, Say (Rs. In Lakh)			3.52	4.18	4.85	5.57	6.44	7.67	8.48	9.23	10.00

NB:

- The above tabular presentation is an indicative of vermi compost unit having 8pits, 16 pits and 24 pits which can also even be prepared with 8 - 24 pits to provide flexibility to encourage small goshalas/ farmers for their participation in the scheme.
- The Detailed Project Report (DPR) has to be prepared by a technical person (JE/AE) as per the OPWD code which is required to be passed in DLC.
- The subsidy for the scheme is 50% of the project cost or Rs. 10.00 lakhs whichever is lower.

Indicative Projected Profitability per Year (For 24 Pits)

PARTICULARS	UNIT	UNIT RATE	QUANTITY	IYEAR	IIYEAR	IIIIYEAR
I. INCOME						
Capacity Utilized				0.7	0.8	0.9
a. Vermicompost	Tonns	10,000	300	21,00,000	24,00,000	27,00,000
b. Vermicultur	Kg.	400	400	1,60,000	1,60,000	1,60,000
			TOTAL (A)	22,60,000	25,60,000	28,60,000
II. EXPENDITURE						
a. Cost of Raw Materials						
Agro waste	Tonns	1,000	100	1,00,000	1,00,000	1,00,000
Cow dung	Tonns	2,000	300	6,00,000	6,00,000	6,00,000
Mother earthworms	Kg.	400	80	32,000	-	-
b. Cost of Consumables						
Packaging	Ls.			20,000	20,000	20,000
c. Cost of Utilities						
Electricity, Water	Ls.			30,000	30,000	30,000
d. Overhead Expenses						
Labour	Ls.			3,00,000	3,00,000	3,00,000
Transpiration and Office Expenses	Ls.			1,00,000	1,00,000	1,00,000
Security/Marketing Charges				1,00,000	1,00,000	1,00,000
			TOTAL (B)	12,82,000	12,50,000	12,50,000
III. NET INCOME						
			TOTAL (A-B)	9,78,000	13,10,000	16,10,000

ln

**

**District wise indicative target for Vermicompost - Godhan Kendra" individual mode
for the year 2023-24**

Sl. No.	Name of the District	Number of Blocks	Number of Goshalas in the districts	Target for the year 2023-24	Subsidy amount limited to Rs. in lakhs
1	Angul	8	1	1	10
2	Balangir	14	4	2	20
3	Balasore	12	6	4	40
4	Bargarh	12	6	4	40
5	Bhadrak	7	1	1	10
6	Boudh	3	2	1	10
7	Cuttack	14	6	5	50
8	Deogarh	3	0	0	0
9	Dhenkanal	8	1	1	10
10	Gajapati	7	0	0	0
11	Ganjam	22	5	2	20
12	Jagatsinghpur	8	3	2	20
13	Jajpur	10	1	1	10
14	Jharsuguda	5	6	3	30
15	Kalahandi	13	2	1	10
16	Kandhamal	12	1	1	10
17	Kendrapada	9	4	2	20
18	Keonjhar	13	0	1	10
19	Khordha	10	5	3	30
20	Koraput	14	0	1	10
21	Malkangiri	7	0	0	0
22	Mayurbhanj	26	3	2	20
23	Nawaranagpur	10	4	2	20
24	Nayagarh	8	3	2	20
25	Nuapada	5	3	2	20
26	Puri	11	5	2	20
27	Rayagada	11	1	1	10
28	Sambalpur	9	2	1	10
29	Subarnapur	6	2	1	10
30	Sundergarh	17	2	1	10
	Total	314	79	50	500
