

**Livelihood support to farmers through Duck farming
under**

**‘State Plan’ during the year 2023-24
In convergence with farm pond plus scheme**

**Project Cost: Rs. 80.20 lakh
(Period 2023-24)**

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

**Livelihood support to farmers through Duckery farming under
‘State Plan’ during the year 2023-24 for convergence with farm pond plus scheme**

Introduction

Odisha being an agrarian state, majority of farming households undertake livestock rearing for augmenting their incomes. In Odisha, duck rearing is popular especially among small, marginal and landless labourers. Duck rearing is profitable and simple to manage since these birds are disease resistant, have longer economic egg-production life and do not need elaborate housing. Improved varieties of layer ducks like Khaki Campbell and Indian Runner, meat varieties like White Pekin and Muscovy and other approved breeds have its own merit because of their egg production capacity and meat quality.

Layer ducks have high egg laying capacity (up to 250 eggs per year) and meat purpose ducks can achieve a body weight of 2-2.4 kg in 6 weeks of age. Under the scheme, each household will be provided with 50 unsexed 2 weeks old ducklings which will promote integrated farming, thereby augmenting incomes of farmers and also provide additional nutritional security at household level.

Aim & Objective


The project intends to


- Increase egg and meat productivity in the state.
- Promote duck rearing and enhance incomes of SC/ST/Women/Transgender/ Differently Able (Min 40% disability) / Poor farmers in the state, in convergence with the Farmpond Plus scheme.

Target

2000 nos. of SC/ST/Women/Transgender/ Differently Able (Min 40% disability) / Poor farmers in the State in convergence with the Farm pond Plus scheme to rear 50 nos. of 02 weeks old unsexed Ducklings. Community level volunteers like Prani Mitras /Gomitras will be roped in for vaccinating the ducks reared in the backyards.

Selection of Farmers

- i. SC/ST/Women/Transgender/ Differently Able (Min 40% disability) / Poor farmers will be selected under the programme.
 - ii. The certificate of identity as transgender persons issued by District Magistrate as per 'The Transgender Persons (Protection of Rights) Act, 2019' will be accepted for Transgender category.
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- iii. For differently able persons the certificate of disability issued by certifying authority / competent authority indicating 40% or more disability as per "The Rights of Persons with Disability Acts, 2016" will be accepted.
 - iv. **While availing subsidy, beneficiary family will be considered instead of individual member of family. One beneficiary family should not be provided with multiple benefits under one particular scheme. A family will not be eligible for subsidy under the same scheme if any of its members has got subsidy during last three years.**
 - v. The District wise indicative target of beneficiaries to be covered is shown at **Annexure - I**. The Director AH&VS may revise the district wise target as per the demand.
 - vi. The name of the beneficiaries having farm pond scheme will be collected from concerned District Soil conservation and water shed Department. And the same will be countersigned by the concerned BVO, LI, and the PRI Members and submitted to CDVOs for approval.
 - vii. The database of the beneficiaries covered under the scheme shall be Aadhaar linked to prevent duplication.
 - viii. Block wise training of the beneficiaries shall be organized by the BVO. 50 farmers in a batch will receive training on recommended management practices including feeding and watering, brooding and rearing ducklings out of the IEC funds.
 - ix. The Pranimitras/ Gomitras will be oriented at block Head Quarter by AVAS/BVO regarding recommended management practices in backyard poultry. They will be roped in to guide the farmers in field for managing backyard duckery units.
 - x. Small-scale duckery units will be managed by the households using family labour.
 - xi. A Night Shelter will be constructed before receiving ducklings by the beneficiaries using locally available materials with minimum expense of Rs 1000/- by the beneficiary (with 100% subsidy). The assistance of Rs 1000 will be provided to each farmer for construction of a night shelter through DBT.
 - xii. The farmers will arrange feed for ducklings during the early stage as per the availability of local ingredients. The birds will be reared in free range system with little hand-feeding especially kitchen-wastes.
 - xiii. 50 numbers of two weeks old unsexed ducklings will be distributed to each farmer in convergence with the Farmpond Plus scheme in two phases (25+25) with a gap of 2 months.
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- xiv. The cost of 1st phase of ducklings amounting to Rs 1500 will be provided to farmer for procurement of 25 numbers of two weeks old unsexed ducklings. Then after a gap of 2 months the cost 2nd phase duckling amounting to Rs 1500 will be provided to farmer for procurement of 25 numbers of two weeks old unsexed ducklings.
- xv. Geo-tagged photographs of each backyard duckery unit should be recorded.
- xvi. Timely disease prevention measures through routine vaccination & other health care programmes will be taken up to minimise occurrence of diseases & thus preventing mortality of birds.
- xvii. Quality checking of ducklings procured by the beneficiaries shall be ensured by concerned BVOs.
- xviii. All data with regard to the scheme should be entered online on the DSS portal at Block and district level.
- xix. The daily progress report will be uploaded in the online DSS portal by CDVO.
- xx. Administrative Cost will be given to CDVOs to meet the expenditure incurred towards monitoring & supervision of the scheme.
- xxi. The block wise final list of the beneficiaries will be uploaded in the directorate website.
- xxii. Subsidy will be released to the beneficiaries in their bank account through DBT mode only.

Supply Chain

The ducklings will be purchased by respective farmers from Govt Duck Breeding Farms or any reputed source. The CDVOs will facilitate for procurement of ducklings by the farmers.

Monitoring

Regular monitoring will be done by the SDVO Concern along with ADVOLP under the direct supervision of the CDVO. The Directorate of AH & VS will coordinate and monitor the progress of implementation of the scheme every fortnight.

Scheme outlay:

The unit cost of one backyard Duckery unit consisting of 50 numbers of two weeks old unsexed ducklings is Rs 4000.00. The total expenditure under state plan to supply

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2000 SC/ST/ Women/Transgender/ Differently Able (Min 40% disability) / Poor farmers in the State in convergence with the Farm pond Plus scheme is Rs. 80.20 lakh (including the Admin cost @ 0.25% of total cost).

Year	Particulars	Unit Cost in Rs`	Units	State share ('in lakh) @ 100% subsidy	Admin cost @ 0.25% of total cost in lakh	Total Project cost in lakh
2023-24	Livelihood support to farmers (with Preference to the SC/ST/ Women/Transgender/ Differently Able (Min 40% disability) / Poor farmers in convergence with the Farmpond Plus scheme	4000.00	2000	80.00	0.20	80.20

Time frame

The scheme will be implemented during the year 2023-24.

	2023-24											
Items Quarter	Apr il	Ma y	Jun e	Jul y	Au g	Sep t	Oc t	No v	De c	Ja n	Fe b	Ma r
Beneficiary selection & Approval of the beneficiary list by the CDVO												
Distribution of night shelter subsidy to beneficiaries												
Distribution of birds to the beneficiaries in 1st phase												
Distribution of birds to the beneficiaries in 2nd phase												
Grounding of units/Release of subsidy												

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Economics

Sl. No.	Particulars	Free range system
1	To rear 50 numbers of two weeks unsexed old ducklings like Khaki Campbell/Indian Runner	Female birds till end of one and half years of production life. Males can be sold at the marketable weight.
2	Production	250 eggs per duck/Year
	Non-recurring expenditure	
3	A night Shelter of locally available raw materials to be constructed by Farmer	Rs. 1000.00
4	Cost of 2 weeks old unsexed ducklings (@ Rs. 60/- for 50 ducklings).	Rs.3000.00
5	Recurring expenditure -Feeding	
	(a) For females & males (3 to 16 weeks) 98 days@25 gm/bird/day [Say, 2.5 Kg x 50 birds x Rs. 20] with 4% mortality.	Rs.2500 (Farmer's Contribution)
	(b) For females (16 to 97 weeks) @ 40 gm/day/bird (Say 23 Kg x 24 birds x Rs. 20) with mortality 5%.	Rs.11040 (Farmer's Contribution)
6	Total Recurring & Non recurring Expenditure (I)	Rs.17540
7	Selling Price	
	(a) Males 24 Nos-	
	ii. Sale Price of 24 Males @Rs. 200 per bird	Rs. 4800
	(b) Spent ducks (24 Nos.) Rs. 150 per bird x 24	Rs. 3600
	c. Sale of Table Eggs	
	ii Sale of table eggs- at the rate of Rs. 6.00/-egg x 250 eggs x 24	Rs. 36000
	Total receipts (II)	Rs. 44400
8	Net Profit (II-I) per batch in 18 months	Rs. 26860
9	Net Profit per year	Rs. 17,906

Evaluation

The Director AH&VS will undertake a third part evaluation of the scheme.

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Annexure -I

Category wise District physical target "Livelihood support to farmers through Duck farming in convergence with farm pond plus scheme" during the year 2023-24							
Sl. No.	Name of District	No. of Blocks	Total No. of GP in the District	Physical target for 2023-24	SC	ST	GENERAL
1	Angul	8	225	66	12	9	45
2	Balangir	14	317	93	18	19	56
3	Balasore	12	356	105	22	11	72
4	Bargarh	12	253	74	15	14	45
5	Boudh	3	69	20	4	2	14
6	Bhadrak	7	218	64	14	1	49
7	Cuttack	14	373	110	21	4	85
8	Deogarh	3	70	21	4	7	10
9	Dhenkanal	8	212	62	12	7	43
10	Gajapati	7	149	44	3	23	18
11	Ganjam	22	503	148	29	4	115
12	Jagatsinghpur	8	198	58	13	0	45
13	Jajpur	10	311	92	22	7	63
14	Jharsuguda	5	78	23	4	7	12
15	Kalahandi	13	310	91	17	24	50
16	Kandhamal	12	171	50	8	26	16
17	Kendrapada	9	249	73	16	0	57
18	Keonjhar	13	297	87	9	38	40
19	Khordha	10	190	56	7	2	47
20	Koraput	14	240	71	10	35	26
21	Malkangiri	7	111	33	7	18	8
22	Mayurbhanj	26	404	119	9	70	40
23	Nabarangapur	10	189	56	8	30	18
24	Nayagarh	8	194	57	8	3	46
25	Nuapada	5	131	39	5	12	22
26	Puri	11	268	79	14	0	65
3	Rayagada	11	182	54	7	29	18
28	Sambalpur	9	138	41	8	13	20
29	Subernapur	6	109	32	7	3	22
30	Sundargarh	17	279	82	7	42	33
Total		314	6794	2000	340	460	1200

NB:

- i. The target can be interchangeable among the reserved category.
- ii. In case of non availability of beneficiary in reserved category, then the target can be interchangeable with the General category.
- iii. Beneficiaries will be selected on first cum first serve basis.

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