

Project Proposal in ARD Sector for
‘Livelihood support to farmers through Backyard Poultry to
individual members of WSHG
under
‘State Plan’ during the year 2020-21

Project Cost: Rs. 363.475 lakh
(State share-Rs 363.475 Lakh)
(Period 2020-21)

Directorate of Animal Husbandry & Veterinary Services,
Odisha, Cuttack

A) Budget head 78695-Backyard Poultry Rearing

1) Rural Backyard Poultry

Introduction

Raising improved local poultry breeds in backyard is an important source of livelihood for the rural people of Odisha. Poultry keeping in backyard condition gives high return as the investment in form of raw material and maintenance are low. The birds can be easily reared and handled by the farmers in village condition. Improved coloured birds under low input technology like Vanaraja, Chhabro, Kuroiler & Rainbow Rooster, Kalinga Brown, RIR and Other approved breed of GoI etc have its own merit because of its meat quality, high body weight, disease resistance and majestic look.

The care of a small backyard flock can help fill the family food requirements for eggs and meat. It can also be a source of additional income. A valuable by-product is the chicken manure which is a very excellent organic fertilizer for farm and home gardens. It has been found that the dual purpose low input technology birds are reared under scavenging condition. They are dual purpose multi colour birds with higher genetic potential resembles deshi birds in their physical characteristics. These birds have triple advantage of the characteristics of the indigenous birds in terms of hardiness & colour, high egg laying capacity (upto 130-150 eggs per year) , and high weight gain (2.5 kg to 3 Kg at 3 months. The eggs are brown coloured and fetches good price compared to white shelled eggs. The hens are kept for egg production and males are sold for meat purpose. Moreover, after the laying period, the spent hens can also be sold by the farmers with reasonable price which will add to their family income.

Under the programme, each household will be provided with 50 nos of unsexed 4wks old LIT birds (Low Input Technology) for scaling up of backyard poultry production which will enhance the income of farmers in rural area and also provide nutritional security at household level.

Aim & Objective

The project intends to

- To strengthen local poultry Production Systems for enhancing livelihoods of individual members of WSHGs excluding the selected WSHG for Semi Commercial Layer Farming in Deep litter system.
- To build the capacity of the individual members of WSHGs for undertaking backyard poultry production as a profitable enterprise.
- To provide supplementary source of income to rural women.
- To meet the protein hunger at grass root level.

To meet these objectives, there is need to increase both the mass production and production by masses, but with a focused approach of building capacity of the poorest

of the poor farmer to become an entrepreneur who can be a part of the mainstream business environment to contribute and for economic development.

Strategy

9600 individual members of WSHG excluding the selected WSHG members for Semi Commercial Layer Farming in Deep litter system. will be supported for rearing 50 unsexed Low Input Technology (LIT) poultry birds each under scavenging system. Community level volunteers like Prani Mitras /Gomitras can be roped in for vaccinating the poultry birds reared at backyard.

In this context, a proposal has been prepared to support livelihood for 9600 Farmers of State under State Plan Scheme during the year 2020-21.

Selection of Farmers

- i. The target number of beneficiaries for each District will be communicated by the Director of Animal Husbandry and Veterinary Services (DAH&VS).
- ii. **Individual members of WSHG** excluding the selected WSHG members for Semi Commercial Layer Farming in Deep litter system will be selected under the programme.
- iii. Should be a permanent resident of the Village/Panchayat.
- iv. A block level committee to be formed with B.V.O/A.V.A.S and Mission Shakti Co-ordinator and concerned L.I..They will identify the the potential WSHG and individual SHG member
- v. The WSHG beneficiaries will be selected and the list of the farmers with signature of the concerned paravets, and the PRI Members will be submitted to the concerned Block Veterinary Officer (BVO).
- vi. The BVO after countersigning the beneficiary list will submit the same to the concerned CDVOs for approval through the concerned SDVOs.
- vii. The block wise final list of the beneficiaries will be submitted by the CDVOs to DAH & VS, Odisha, Cuttack for uploading the list in the departmental website.
- viii. Training will be organized at Block Head Quarter level or any other convenient place after final approval of beneficiary list. 50 farmers in a batch will receive training on backyard poultry on recommended management practices on feeding and watering, brooding and rearing young chicks, record keeping, etc. out of the existing training funds if any with the districts or DLRDS funds.
- ix. The Pranimitras engaged under OLM, Gomitras, Gopals of JK Trust, BAIF

workers and Cluster Coordinators will be oriented at block Hqr by AVAS/BVO regarding recommended management practices in backyard poultry. They will be roped in to guide the farmers in field for managing backyard poultry units.

- x. Small-scale poultry units in the backyard will be managed by households using family labour.
- xi. A Night Shelter will be constructed before receiving chicks by the beneficiaries using local materials for minimum expense. An assistance of Rs. 500/- will be provided to each farmer for construction of a night shelter.
- xii. The farmers will arrange feed for chicks 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 four wks old unsexed Low Input Technology (LIT) birds will be distributed to each farmer in two phases (25+25) with a gap of 3 months.

Supply Chain

The chicks will be purchased by respective CDVOs through departmental hatcheries. The CDVOs will be responsible for ensuring the necessary hatching and rearing of chicks under taken through active coordination of hatchery incharge or manager.

Monitoring

Regular monitoring will be done at department level and district administration level. The CDVO of the dist will co-ordinate with department field functionaries for proper implementation as well as co-ordination with district administration. Directorate of AH & VS will review the progress every fortnight.

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.

COST BENEFIT ANALYSIS:

Sl. No.	Particulars	Unit Cost in Rs `	Units	Amount (in lakh)
1	Livelihood support through Backyard Poultry of Odisha @ Rs.3250/- per beneficiary in shape of 50nos of 4wks old bird and a night shelter of Rs. 500/-/unit (Total-Rs 3750.00)	3750.00	9600	360.00
2	Administrative Cost including documentation & monitoring			3.475
	Total :			Rs.363.475

Economics

Sl. No.	Particulars	Free range system
1	To rear 50 unsexed birds Low Input Technology (LIT) Birds like Vanaraja, Rainbow Rooster, Kuroiler, Chhabro, Kalinga Brown and RIR and similar type of breed as recommended by GOI.)	Male and Female birds till one year of production
2	Production	140 eggs per LIT bird/Year
	Non-recurring expenditure	
3	A night Shelter of local available raw materials to be constructed by Farmer	500/-
4	Cost of 4 weeks old Chicks (@ Rs. 65/- for 50 birds) as per finalisation of tender.	Rs.3250
5	Recurring expenditure -Feeding	
	(a) For females & males (5 to 16 weeks) 84 days@30 gm/bird/day [Say, 2.5 Kg x 48 birds x Rs. 20] with 4% mortality.	Rs.2400 (Farmer's Contribution)
	(b) For females(16 to 72 weeks) @ 30 gm/day/bird (Say, 12 Kg x 24 birds x Rs. 20) with mortality 5%.	Rs.5760 (Farmer's Contribution)
6	Total Recurring and Non-recurring Cost Expenditure (I)	Rs.11910
7	Selling Price	
	(a) Males 24 Nos-	
	ii. Sale Price of 24 LIT Males @Rs. 300 per bird	Rs. 7200
	(b) Spent hens (24 Nos) Rs. 200 per bird x 24	Rs. 2800
	c. Sale of Table Eggs	
	ii Sale of table eggs- at the rate of Rs. 6.00/-egg x140x 24	Rs. 20160
	Total receipts (II)	Rs. 30160
8	Net Profit (II-I) per batch in 18 months year	Rs. 18250
9	Net Profit per batch in one year	Rs.12167

Evaluation

The supervision and monitoring of this programme will be made from the Directorate of AH&VS. The Deputy Director, (Poultry Development) will monitor the progress of work on regular basis. The programme will be evaluated by internal mechanism of the department in monthly review meetings. Further 3rd party evaluation will be made by college of Veterinary Science and Animal Husbandry, OUAT, Bhubaneswar

District wise farmers to be selected for 'Rural Back Yard Poultry Production' during 2020-21 under State plan

Sl No	Name of the District	No. of Blocks District	Farmers to be selected under BYP (SP) 2020-21
1	Angul	8	332
2	Bargarh	12	373
3	Bhadrak	7	320
4	Balasore	12	529
5	Bolangir	14	234
6	Boudh	3	104
7	Cuttack	14	548
8	Deogarh	3	106
9	Dhenkanal	8	269
10	Gajapati	7	219
11	Ganjam	22	739
12	Jagatsinghpur	8	278
13	Jajpur	10	457
14	Jharsuguda	5	115
15	Kalahandi	13	456
16	Kandhamal	12	251
17	Keonjhar	13	366
18	Kendrapada	9	410
19	Khordha	10	254
20	Koraput	14	353
21	Malkangiri	7	137
22	Mayurbhanj	26	594
23	Nowaranagpur	10	278
24	Nayagarh	8	288
25	Nuapada	5	193
26	Puri	11	354
27	Rayagada	11	268
28	Sambalpur	9	203
29	Subarnapur	6	160
30	Sundergarh	17	410
	Total	314	9600