

**“Animal Protein Supplement at Doorstep” to Anaemic &
Underweight families of the State**

under

‘State Plan’ during the year 2023-24

Project Cost: Rs. 2371.2065 lakh

(Period 2023-24)

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

"Animal Protein Supplement at Doorstep" to Anaemic & Underweight families of the State under State plan during the year 2023-24

Introduction

Anaemia is a major public health challenge across the country. The state has formulated a multi- pronged approach, AMLAN (Anaemia Mukta Lakhya Aviyan), a programme to ensure complete eradication of malnutrition and anaemia among women and children in the State. The programme is implemented with joint effort of several departments including Health and Family Welfare, School and Mass Education. Women and Child Development, Mission Shakti and ST and SC Development Department, A & FE Department, Directorate of Horticulture.

Accordingly, holistically to address the specific issues of malnutrition and anaemic families and to ensure the animal protein at doorstep, F&ARD Dept. through Directorate of Animal Husbandry and Veterinary Services, Odisha provides Backyard poultry under the initiative "**Animal Protein supplement at Doorstep**".

The birds to be supplied under the initiative can be easily reared and handled by the farmers in village condition. Dual purpose Improved Low input technology (LIT) birds like Vanaraja, Chhabro, Kuroiler , Rainbow Rooster, Kalinga Brown, RIR and Other approved breed of GoI have high meat quality, good body weight and are disease resistant. The dual purpose low input technology birds are reared under scavenging condition. These indigenous birds are hardy with egg laying capacity (up to 120-125 eggs per year) and high weight gain capacity (2.5 kg to 3 kg at 4 months).

Both egg & meat are good source of animal protein. Egg also contain Vit B2, Vit D, Selenium, Iodine, Vit A, other essential minerals & trace elements including Iron, Phosphorus. Similarly chicken meat can meet the iron and protein requirement of the body.

Under the scheme, individual family belonging to anaemic & underweight category will be provided with 5 nos of unsexed 4wks old Low Input Technology (LIT birds) in 100% subsidy meet the egg and meat requirements.


AIM & OBJECTIVE

The project intends

- To support iron & protein requirement of the anemic, malnourished and underweight children & women.

Strategy

Under the initiative "**Animal Protein supplement at Doorstep**" 729602 numbers of individual families (313110 Anaemic families and 416492 underweight families) in 30 districts of the State will be supported by providing Five (5) numbers of unsexed 4 weeks old



Low Input Technology (LIT) poultry birds during the year 2023-24. Community level volunteers like PraniMitras/Gomitras can be roped in for vaccinating the poultry birds reared at backyard.

Selection of Beneficiaries

- The list of anaemic & underweight family for 30 districts will be prepared as per list obtained from Dept. of W&CD. Only the anaemic & underweight family will be supported under the scheme.
- The district wise indicative target of families to be covered is shown at **Annexure-1**. The Director AH&VS may revise the district target as required.
- The beneficiaries to be covered under the scheme shall be Aadhar linked to prevent duplication.
- The detailed list has already been send to concerned CDVO. The CDVO will send the list of family to the concerned BVOs of the district.
- Health care & management practices support to the beneficiaries for rearing of birds will be provided by the concerned BVO.
- The Pranimitras/ Gomitras, 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.
- The farmers will be provided with 5 nos of unsexed 4wks old LIT birds and they will rear the birds in free range system with little hand-feeding especially kitchen-wastes.
- Geo-tagged photographs of each family supported with backyard poultry unit should be recorded.
- Timely disease prevention measures through routine vaccination and other healthcare programmes will be taken up by the concerned Veterinarian to minimize occurrence of diseases and thus preventing mortality of birds.
- Quality checking of chicks procured by the beneficiaries shall be ensured by concerned BVOs.
- All data with regards to the scheme should be entered online in the DSS Portal at block and district level.
- The daily progress report will be uploaded in the online DSS portal by CDVO.
- The block wise final list of the supported family will be uploaded in the Directorate website.



Supply Chain

As the quantity of chicks to be supplied is huge in nos, Govt. Hatcheries/ farms as well as the Private suppliers may not supply all the required nos of chicks. Moreover, if the farmers procure individually, the overhead expenses will be more, as the number of chicks per farmer is less. So, the CDVOs will facilitate the distribution of chicks to maintain proper quality.

Procurement of 4 wks old unsexed LIT birds can be made from Govt. Poultry Farms/ hatcheries, Chick Rearing Units established under State Plan, NLM & Mother unit of Backyard Poultry scheme as well as from empaneled poultry bird suppliers. The empanement of Private poultry birds suppliers will be made by Directorate AH & VS, Cuttack following due procedure & the list of suppliers will be intimated to CDVOs later.


Monitoring

Regular monitoring will be done by the SDVO Concern along with ADVO LP 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.

- i) The AWWs (Angana Wadi workers) shall coordinate with LIs/ Pranimitras/ Gomitras for extending support to the targeted beneficiaries for managing backyard poultry birds. Timely disease prevention measures through routine vaccination & other health care programmes will be provided by the concerned LIs/ Pranimitras .
- ii) AWWs along with officials of P&C Department, SC&ST Department, DAH&VS, Department of Mission Shakti will make drive to bring awareness among the targeted beneficiaries.
- iii) Officials of Mission Shakti, P&C Department, SC&ST Department, DAH&VS will monitor the progress of implementation from time to time under the overall supervision of the Scheme officers (Deputy Director Poultry Development), Additional Director (Nodal officer) of the Directorate of Animal Husbandry & Veterinary Services, Cuttack.

FINANCIAL LAYOUT

The unit cost of one ***"Animal Protein supplement at Doorstep"*** is Rs 325.00. The total expenditure under State plan for supplying Five (5) numbers of unsexed 4 weeks old Low Input Technology (LIT) poultry birds to 729602 numbers of individual families (313110 Anaemic families and 416492 underweight families) in 30 districts of the State during the year 2023-24 is **Rs 2371.20650 lakh.**



| SL. NO | PARTICULARS | UNIT COST in Rs . (@ Rs 65/- per bird) | Subsidy pattern (100%) | UNIT | AMOUNT (in lakh) |
|--------|--|--|------------------------------|-----------------------------|----------------------|
| 1 | Supply of 28 days old LIT birds to 313110 Anaemic families @5 no.s of birds/ family | Rs 325 | 100 | 313110 Anaemic families | Rs 1017.60750 |
| 2 | Supply of 28 days old LIT birds to 416492 Underweight families @ 5 no.s of birds/ family | Rs 325 | | 416492 Underweight families | Rs 1353.59900 |
| Total | | | | | Rs 2371.20650 |

TIME FRAME

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

| | 2023-24 | | | | | | | | | | | | | |
|--|-----------|-----------|-----|----------|----------|---------|----------|---------|---------|---------|---------|---------|---------|--|
| Items Quarter | Mar ch | Ap ril | May | Jun e | Jul y | Au g | Se pt | O ct | No v | D ec | Ja n | Fe b | M ar | |
| Identification of families as per the list intimated to CDVO | | | | | | | | | | | | | | |
| Selection of Private suppliers & MOU with CDVOs | | | | | | | | | | | | | | |
| Indent of chicks | | | | | | | | | | | | | | |
| Supply of 4 weeks of unsexed LIT chicks | | | | | | | | | | | | | | |

Outcome

It can fulfill the Iron and protein requirement of 729602 numbers of individual families (313110 Anaemic families and 416492 underweight families) in 30 districts of the State.

Economics

| Sl. No. | Particulars | Free range system |
|---------|--|--|
| 1 | To rear 5 nos of 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 birds upto marketing age and Female birds till 72 weeks of production |
| 2 | Production | 120 eggs per LIT bird/Year |
| | Breakup of the Unit cost | |
| 3 | Cost of 4 weeks old Chicks (@ Rs. 65/- for 5 birds | Rs.325/- |
| | Total | Rs.325.00 |
| 4 | Recurring Expenditure – Feeding | |
| | (a) For females & males (5 to 16 weeks) 84 days @ | Rs.200/- (Farmer's |

Ch

| | | |
|---|---|--|
| | 30gm./ bird/ day [Say, 2.5 Kg. x 4 birds x Rs.20/-] with 5% mortality | Contribution) |
| | (b) For females (16 to 72 weeks) @ 30 gm./ day/ bird (Say 12 Kg. x 2 birds x Rs.20/-) with mortality 5% | Rs.480/- Farmer's Contribution) |
| 5 | Total Recurring & non recurring Expenditure (I) | Rs.1,005/- |
| 6 | Receipt | |
| | (a) Egg nos = 120 eggs per bird | 240 |
| | (b) Calories obtained from eggs @70 calorie per egg | 16.8 kcal |
| | (c) Protein obtained from eggs @6 g per egg | 1440 g |
| | (d) Dressed Meat obtained from 4 birds @ 1.8 kg per bird x4 (with dressing %= 70%) | 5 kg |
| | (e) Calories obtained from meat @ 1500 calorie per kg | 7.5 kcal |
| | (f) Protein obtained from meat @27 g per 100 g meat | 1350 g |

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| District wise target for distribution of 28 days old LIT Birds under "Animal Protein supplement at Door step" initiative to anaemic & underweight families of the State for the year 2023-24 | | | | |
|--|----------------------|-----------------------|---------------------------|---------------|
| Sl no. | Name of the District | No. of anaemic family | No. of underweight family | Total |
| 1 | Angul | 7732 | 6458 | 14190 |
| 2 | Balangir | 14366 | 23124 | 37490 |
| 3 | Baleshwar | 16749 | 15303 | 32052 |
| 4 | Bargarh | 9149 | 1985 | 11134 |
| 5 | Baudh | 4078 | 3589 | 7667 |
| 6 | Bhadrak | 10202 | 9525 | 19727 |
| 7 | Cuttack | 9740 | 11471 | 21211 |
| 8 | Debagarh | 1885 | 2493 | 4378 |
| 9 | Dhenkanal | 10152 | 6731 | 16883 |
| 10 | Gajapati | 5376 | 5234 | 10610 |
| 11 | Jagatsinghapur | 4526 | 3079 | 7605 |
| 12 | Jajapur | 9918 | 11596 | 21514 |
| 13 | Jharsuguda | 4150 | 5371 | 9521 |
| 14 | Ganjam | 23211 | 19383 | 42594 |
| 15 | Kalahandi | 15775 | 28344 | 44119 |
| 16 | Kandhamal | 9353 | 13117 | 22470 |
| 17 | Kendrapara | 9619 | 9389 | 19008 |
| 18 | Kendujhar | 16883 | 28025 | 44908 |
| 19 | Khordha | 10273 | 11200 | 21473 |
| 20 | Koraput | 17378 | 16462 | 33840 |
| 21 | Malkangiri | 8957 | 13494 | 22451 |
| 22 | Mayurbhanj | 27082 | 44322 | 71404 |
| 23 | Nabarangapur | 13237 | 32322 | 45559 |
| 24 | Nayagarh | 5804 | 7118 | 12922 |
| 25 | Nuapada | 5990 | 13940 | 19930 |
| 26 | Puri | 6627 | 7496 | 14123 |
| 27 | Rayagada | 11068 | 12027 | 23095 |
| 28 | Sambalpur | 5714 | 15700 | 21414 |
| 29 | Subarnapur | 4273 | 8479 | 12752 |
| 30 | Sundargarh | 13843 | 29715 | 43558 |
| Total | | 313110 | 416492 | 729602 |