



**DIRECTORATE OF ANIMAL HUSBANDRY AND VETERINARY SERVICES, ODISHA,
CUTTACK**

Letter No. 9739 Net, Dt. 16-07-2021

IX-69/20

To

All Chief District Veterinary Officers,

Sub: - Operational Guideline of State Plan Fodder Development Scheme for the year 2021-22.

Sir,

In inviting a reference to the subject cited above it is to inform you that for smooth & timely implementation of different Fodder Development Programmes under state plan 2021-22, the operational guidelines of the following programmes is enclosed herewith for ready reference and the funds for the purpose has already been allotted .

1. Utilization of Crop Residues Enrichment Programme.
2. Backyard Azolla cultivation by women farmers for livestock consumption.
3. Seasonal fodder demonstration programme in the selected farmers field during Kharif / Late Kharif.
4. Perennial fodder cultivation in farmers field and pasture land.

Encl :- As above.

Yours Faithfully


Additional Director (LD)



Your Signature will appear here.

**OPERATIONAL GUIDELINE FOR IMPLEMENTATION OF
THE PROGRAMME ON BACKYARD AZOLLA
CULTIVATION BY WOMEN FARMERS FOR LIVESTOCK
CONSUMPTION – 2021-22**

UNDER STATE SECTOR PLAN PROGRAMME SCHEME

**“FEED & FODDER PRODUCTION IN DIFFERENT AGRO CLIMATIC
ZONES AND ITS UTILIZATION FOR LIVESTOCK OF ODISHA”.**

**DIRECTORATE OF ANIMAL HUSBANDRY AND
VETERINARY SERVICES, ODISHA, MANGALABAG,
CUTTACK.**

Programme details of Azolla Cultivation Programme during 2020-21

Under Azolla Cultivation Programme involving **only women** Dairy /Small animal farmers in the entire state covering all 314 blocks of the State will be taken up.

I. In this year i.e. during 2021-22, 6280 units of Azolla units is to be established in all 314 blocks @ 20 Units per block. Detail of target for each district is enclosed herewith in ANNEXURE - I.

II. This programme is especially meant for women farmers for production of Azolla in their backyard for feeding the milch animals to increase the profit margin on milk production by reducing the consumption of the concentrate feed AS Azolla is a good source of protein.

III. One farming family will be assisted with one Azolla unit which will serve as a protein source for the livestock as well as Azolla Seed Culture Unit for the other farmers of that locality.

IV. The establishment cost of one Azolla Unit is Rs.2000/- and it is a one time assistance to the farmer. The detail break up of one unit is enclosed herewith.

Use of Key criteria for the Azolla Cultivation programme and the justification.

| | |
|---|--|
| • Towards Sustainable development goal | Small holder farmers/ land less farmers can develop feed resource in their backyard for their milch animals round the year with negligible maintenance cost. |
| • Towards Increasing farmers income and enhancing income activities | Azolla is an aquatic fern and very rich in micronutrients like essential amino acids, vitamins, growth promoters and minerals like calcium, phosphorus, potassium, ferrous thus support as nutritious feed supplement for the milch animals. Hence its inclusion of Azolla in the daily ration of the milch animals will reduce the consumption of the concentrated feed helping towards increasing farmers' income and enhancing income activities. |
| • Towards Empowering women | Azolla cultivation and its feeding is a very simple and replicable technology and can be well managed by the farm women. Its maintenance cost is very low and it continues round the year. |
| • Towards Skill development | Participation & involvement of women in the process of Azolla cultivation round the year will develop the requisite skill. |
| • Towards Enhancing participation of other vulnerable population | Other vulnerable population not having enough land even landless farmers can take up Azolla cultivation for daily production of a nutritious green feed for the animals in their backyard. |

Modes of operandi for Azolla cultivation programme

- Azolla Cultivation Programme is especially meant for **women farmers having large/small livestock** and each farming household will be assisted with one no of Azolla production unit.
- It will be implemented in all blocks of the district @ 20 Units per each block.
- The BVO will select the women farmer in consultation with the paravet/LI/PRI members of the locality for implementation of the programme.
- Where ever functional MPCS/ Fodder Co-operative group, the associated women members should be given priority during beneficiary selection.
- The selected beneficiary list of the concerned block to be scrutinized & approved by the District Level Scrutiny Committee comprising of SDVO, ADVO (LP), DDVH, Fodder Officer under the Chairmanship of CDVO prior to release of input.
- The beneficiary selected in the district should be communicated to the Directorate (both hard & soft copy) in the prescribed proforma enclosed herewith in ANNEXURE - II.
- The inputs to be procured centrally at the district level (as detailed in the break up) like 2 Nos. Sipauline sheets, Single Super Phosphate, Neem based pesticide, Azolla seed, leaflet on different steps of the Azolla cultivation process (in Odia) and plastic bucket may be supplied to the beneficiary by the district level & sub-divisional level fodder staff in consultation with the BVO/ VAS/ AVAS.
- The labour wage for digging the Azolla Pit is to be directly transferred to the beneficiary account as soon as the inputs delivered at their door step and should be uploaded in the DSS portal.
- The Azolla Pit in complete shape should be Geo-tagged for documentation and success stories along with Geo-tagged photographs to be submitted to the Directorate. The progress on implementation of this programme should be reflected in the Monthly Progress Report every month.
- The Utilization Certificate on completion of the programme may be sent to the Directorate.
- During implementation if some amount remains as balance then the District Level Committee comprising SDVO, ADVO (LP), Dy. Director, Dist. Vety. Hospital and Fodder Officer under the Chairmanship of the CDVO can utilize the leftover amount for other items as detailed in the break up, without altering the unit cost and block target.



DISTRICT WISE TARGET OF AZOLLA UNITS AND CORRESPONDING BUDGET PROVISION UNDER THE STATE SECTOR SCHEME "FFED & FODDER PRODUCTION IN DIFFERENT AGRO CLIMATIC ZONES AND ITS UTILIZATION FOR LIVESTOCK OF ODISHA" DURING THE YEAR 2021-22.


| Sl. No. | Name of the District | No. Of Units to be established @ 20 units per block | Fund allocation @ Rs.2000/- per Unit |
|---------|----------------------|---|--------------------------------------|
| 1. | Angul | 160 | 320000 |
| 2. | Balasore | 240 | 480000 |
| 3. | Bargarh | 240 | 480000 |
| 4. | Bhadrak | 140 | 280000 |
| 5. | Bolangir | 280 | 560000 |
| 6. | Boudh | 60 | 120000 |
| 7. | Cuttack | 280 | 560000 |
| 8. | Deogarh | 60 | 120000 |
| 9. | Dhenkanal | 160 | 320000 |
| 10. | Gajapati | 140 | 280000 |
| 11. | Ganjam | 440 | 880000 |
| 12. | Jagatsinghpur | 160 | 320000 |
| 13. | Jajpur | 200 | 400000 |
| 14. | Jharsuguda | 100 | 200000 |
| 15. | Kalahandi | 260 | 520000 |
| 16. | Kandhamal | 240 | 480000 |
| 17. | Kendrapara | 180 | 360000 |
| 18. | Keonjhar | 260 | 520000 |
| 19. | Khordha | 200 | 400000 |
| 20. | Koraput | 280 | 560000 |
| 21. | Malkangiri | 140 | 280000 |
| 22. | Mayurbhanj | 520 | 1040000 |
| 23. | Nabarangapur | 200 | 400000 |
| 24. | Nuapada | 100 | 200000 |
| 25. | Nayagarh | 160 | 320000 |
| 26. | Puri | 220 | 440000 |
| 27. | Rayagada | 220 | 440000 |
| 28. | Sambalpur | 180 | 360000 |
| 29. | Subarnapur | 120 | 240000 |
| 30. | Sundargarh | 340 | 680000 |
| | TOTAL: | 6280 | 12560000 |

BUDGET BREAK UP FOR ONE UNIT OF AZOLLA PIT

| Sl. No | Item | Description | Amount in Rs. |
|--------|------------------------------------|--|---------------|
| 1. | Digging cost of one pit | Length - 2 Meter Breadth - 2 Meter Depth - 0.20Meter | 300 |
| 2. | Cost of Sipauline sheets 2 Nos. | Gauge - 120 GSM UV protected Size - 9' X 9' | 1400 |
| 3. | Cost of Single Super Phosphate | 2 Kg. | 40 |
| 4. | Cost of Neem based pesticide | 200 ml. | 60 |
| 5. | Cost of Seed Azolla | 1 Kg. | 25 |
| 6. | Plastic bucket | 20 Lit. capacity | 80 |
| 7. | Strainer | One per unit | 40 |
| 8. | Geo Tagged Photo | Two per unit (one to kept at block level and one at the district level) | 20 |
| 9. | Leaflet | One per unit | 5 |
| 20. | Transportation | LS | 30 |
| | TOTAL: | | 2000 |


14-07-21
AFDO


14-07-21
FDO


14-07-21
Dy. Director (F.D)


14-07-21
Joint Director Level-I(L.B)

ANNEXURE - II

PROFORMA FOR SUBMITTING OF FARMER'S DETAIL FOR BACKYARD AZOLLA CULTIVATION PROGRAMME 2021-22

Name of the District:

| Sl. | Name of the farmer | Address Village P.O. G.P Block | Adhaar No. | Contact No. | Bank details ▪ Name of the Bank ▪ Branch ▪ A/c No ▪ IFS Code | Cultivable land holding in Ac | | | No of livestock | | No of Azolla units established |
|-----|--------------------|--|------------|-------------|--|-------------------------------|-----------|-------|-----------------|-------|--------------------------------|
| | | | | | | Rain fed | Irrigated | Total | Large | Small | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
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Fodder Officer

ADVO (LP)

Chief District Veterinary officer