

DEVELOPMENT OF INTEGRATED FARMING SYSTEM (IFS) MODELS AS DEMONSTRATION UNITS

Integrated Farming is a combination of different agricultural activities in a unit area of land which aims at:

1. Maximising return from the unit area
2. Maintaining soil status and fertility
3. Utilising the by-products of one component of the farming system as an input in other for ensuring supplementary and complementary enterprise relationship
4. Reducing environment pollution.

It is proposed to promote models of Integrated Farming System (IFS) in the State with assistance from the State Plan funds provided by the Government in Agriculture Department, so that there will be demonstration effect, which will help in replication of the projects. The Assistance will be to the extent of Rs.1.00 lakhs per unit. The proposed model will have the following components.

- 1) The selected farmer should have a farm pond of the size 40 Mt x 50 Mt x 1.5 Mt \pm minor variations in the specifications.
 - 2) The selected farmer should have at least 2.0 Ac of land adjoining to the farm pond.
 - 3) The farm pond and adjoining land should be close to homestead land as far as possible for better watch and ward. If such suitable land is not available the farmer must be willing to engage watch and ward.
 - 4) The farmer should have or acquire/ develop:
 - i. Undertake pisciculture in the farm Pond.
 - ii. Two (2) cross breed/ improved milch cow.
 - iii. At least 2 nos of Apiculture boxes with bees.
 - iv. At least two vermi compost units
 - v. Duckery unit with (Khaki Campbell birds- 100 nos)
 - vi. Poultry Unit with – 50 Colour Bids, 20 Desi birds
 - vii. Take up crop production as specified, with modifications as may be suitable/ recommended.
- 3) The Unit will have the following crop production systems:
- a. Boundary with Custard apple or Acacia mangium or Subabool
 - b. Plantation of Papaya, Moringa (Drumstick) and Banana (Bantal) on the bund of the pond.
 - c. Plantation of fruit plants like Pomegranate (5-7 nos), Guava (2-3 nos), Lemon (5-7 nos)
 - d. Paddy in Kharif - 0.50 Ac
 - e. Maize in Kharif - 0.50 Ac
 - f. Pulses and Oilseed (Rabi) - 1.25 Ac
 - g. Vegetables in Rabi - 0.25 Ac
 - h. Green Fodder(Both Kharif & Rabi) - 0.50 Ac
 - i. Vegetable in Kharif - 0.50 Ac

APPROXIMATE COST STRUCTURE AND FINANCIAL ASSISTANCE BY GOVERNMENT FROM STATE PLAN FOR DEVELOPMENT OF INTEGRATED FARMING SYSTEM				
Sl. No.	Components	Total cost in Rs. (approximate)	Finance Assistance from State Plan Rs.	Farmers Contribution (Rs.)
1	Pisciculture in the Pond	15000	10000	5000
2	Duckery	5000	4000	1000
3	Poultry- Colour birds and Desi birds with living space	3000	3000	0
4	Cost of Cross breed cattle	32000	28000	4000
5	Apiculture	7000	7000	0
6	Vermi compost	10000	6000	4000
7	Land Development work	30000	10000	20000
8	Boundary plantation	10000	4000	6000
9	Fruit plants on farm pond bund and other areas	3000	3000	0
10	Vegetable cultivation	15000	10000	5000
11	Rice Cultivation	5000	2000	3000
12	Maize cultivation	4000	2000	2000
13	Pulses and Oilseeds	13000	7000	6000
14	Green Fodder culture	6000	4000	2000
	TOTAL	158000	100000	58000

GENERAL GUIDELINES

1. The scheme is applicable to all category of beneficiaries (i.e. General/ST/SC/Women/ Big/Small & marginal farmers)
2. The beneficiary must have a pond in his land.
3. The one hectare unit should be compact
4. The Project completion period should be maximum six months.
5. Minor modification in area under crops, type of crops, size of ponds etc. depending upon the status of the site is permissible.
6. The assistance is limited to Rs.1.00 lakh per unit/farmer.
7. The beneficiary farmer shall be selected by a Committee constituted by the ATMA consisting of DPD of ATMA, VAS, AAO/ AHO of the Block and Fisheries Extension Officer of the Block or Officers from these sectors nominated from the district level after a joint visit and certify the work done.
8. The Assistance under State Plan will be released by ATMA to the farmers in phases as follows:

Sl. No.	Phases	Amount to be released to the beneficiary	Works to be completed before release of the phased assistance
1	Phase-I	Rs.40,000/-	For Land Development and preparation for establishment of Poultry, Duckery, Pisciculture, Dairy, Vermi beds, Boundary
2	Phase-II	Rs.30,000/-	Completion of duckery, poultry, Dairy, apiculture, Vermi beds, boundary, bund plantation and starting of cultivation
3	Phase-III	Rs.30,000/-	On establishment of the Project.

OPERATIONAL MODALITIES OF INTEGRATED FARMING SYSTEM (IFS) MODELS AS DEMONSTRATION UNITS

- 1) The model will be developed in 1 ha of land where there is existing one farm pond.
- 2) The farm pond and the cultivated area surrounding it should be preferably in the vicinity of the homestead so that watch and ward will be better.
- 3) If the farm pond and the cultivated area are away from homestead, the farmer must provide watch and ward for success of the project.
- 4) The identification of farmer having a farm pond and at least 2 Ac of cultivated land adjoining to it should be made by any **one** of the functionaries like Assistant Agricultural Officer/ BTT Convenor/ any FIAC member/ BTM/ Agricultural Overseer/ VAW / Assistant Horticulture Officer/ Veterinary Assistant Surgeon/ AVAS/ FEO
- 5) On identification of the farmer, the Official identifying the farmer should submit a proposal to the BTT Convenor. A comprehensive proposal cum recommendation format is enclosed. (**Annexure-I**)
- 6) The BTT Convenor before forwarding/ recommending the proposal to the PD ATMA for implementation of the project & release of 1st instalment assistance as per Annexure-I, should visit the farmer, satisfy himself the land title to the farmer, and explain to the farmer about the work to be taken up, the pattern of assistance to be given and the time of completion of work.
- 7) He should also inform the farmer that a MoU has to be signed by him indemnifying the BTT Convenor/ Project Director, ATMA/ Director, IMAGE and the State Government on any dispute arising on account of the title of the land in question.

- 8) The BTT Convenor shall submit the proposal in the prescribed format as in **Annexure-I** to the Project Director, ATMA.
- 9) On receipt of the proposal from the BTT Convenor the Project Director, ATMA, will cause a spot verification with the help of a Committee consisting of the DPD ATMA, a representative from Horticulture/Animal Husbandry/Fisheries Department either from the District Level or Block Level. After the recommendation of the Committee the PD, ATMA with his own recommendation will send the name of the beneficiary to the Collector & Chairman, ATMA for final approval and release of funds as given in Annexure-I. After getting approval of beneficiary by the Collector, the copy of the same may be intimated to the BTT Convenor concerned and ensure that the MoU is executed as per Annexure-II.
- 10) On receipt of the approval from the PD, ATMA the BTT Convenor may issue a go ahead letter to the Farmer and make sure that the farmer is assisted in taking up the work as per the scheme.
- 11) The MOU may be executed as per model given in **Annexure-II** between the beneficiary and BTT Convenor/ PD ATMA. The MoU may be modified with necessary local requirements, if any.
- 12) The P.D, ATMA should ensure that the 1st instalment assistance of Rs 40,000/- is credited into the Bank Account of the Farmer through Electronic Transfer. On transfer of the funds the P.D, ATMA shall intimate the Director IMAGE/ BTT Convenor/ concerned Farmer.
- 13) The 2nd instalment of Rs.30,000/- will be released to the beneficiary through Bank Transfer on receipt of a completion certificate from the BTT Convenor that the works mentioned in Phase-1 has been completed and recommend for release of 2nd instalment to the PD ATMA, which shall be considered by the Chairman, ATMA for release of funds to the beneficiary.
- 14) On completion of the project, the BTT Convenor and his team will verify the completion and shall give a completion certificate to the Project Director, ATMA.
- 15) The Project Director, ATMA either by himself or through the DPD ATMA should verify the Completion Certificate furnished by the BTT Convenor and recommend for release of the final and third instalment to the Collector and Chairman, ATMA.
- 16) The 3rd instalment of Rs.30,000/- will be released to the beneficiary on receipt of a completion certificate of the project from the BTT Convenor duly recommended by the PD, ATMA
- 17) A common format for recommendation and release of 2nd and 3rd phase of assistance is enclosed as **Annexure-III**
- 18) The BTT convenor shall also coordinate with the concerned Departments in arranging and facilitating (i) fingerlings/ yearlings (ii) cows/ milch cattle (iii) Bee hives with bee (iv) coloured birds/ Desi breeds of poultry (v) Khaki Campbell chicks of Ducks (vi) Seedlings of custard apple, **Acacia mangium** or Subabool (vii) Papaya, Moringa saplings, Banana suckers, Drumstick seedlings, guava,

lemon & pomegranate grafts (viii) Fodder seeds (ix) Seed of Paddy/ Maize/ Pulses Oilseeds , Vegetables according to the choice of the farmer.

19)The BTT convenor should associate the local VAW/ Agricultural Overseer / Assistant Agricultural Officer/ BTM/ BLTA / Krushk Sathi for facilitating the above programmes on a time bound manner.

20)The BTT Convenor/ Project Director, ATMA should take up documentation of the Project at all stages (i) First Visit of the Joint Team of DPD and other Officers (ii) before recommending the 1st instalment showing steps taken by the farmer (iii) before release of 2nd and final instalments on completion of the project. The Photographs should be preserved in the BTT/ ATMA Office and a copy thereof should be forwarded to the Chairman, ATMA along with recommendation for release of funds.

Annexure -I

Affix a recent passport size photograph of the beneficiary farmer

PROPOSAL FOR ESTABLISHMENT OF INTEGRATED FARMING MODEL FARM

(To be filled in triplicate @)

	District	Block		Allotment No#		
1	Name of the Farmer					
2	Father's Name					
3	Date of Birth/ Age					
3	Address/ Village/ PO					
4	Block					
5	District					
6	Telephone No./ Mobile No.					
7	Details of the Farm Pond owned by the farmer (In meter)	Length	Breadth	Deapth	Mean Water level	Maximum Water level
8	Land owned by the farmer adjascent to the Pond	Area (Ac)	High	Medium	Low	Total
9	Land Title in the name of the farmer	Pata/ Land Record available in the name of the farmer		Inherited by the Farmer, but land record not available(*)		
10	Name of the Bank in which the farmer has Account	Account No. (to be verified with pass Book)				

	<p>1. I understand that, I am being considered for assistance under the Integrated Farming Model in the form of Demonstration of the practices, and I undertake to abide by the conditions of assistance.</p> <p>2. The Assistance to be provided for different activities under Integrated Farming has been explained to me and I understand the same and shall contribute my share for the development of the farm owned by me.</p> <p>3. The land in question as described above is owned by me with title deeds in my name/ owned by me by inheritance but not yet mutated and therefore, I indemnify the BTT Convenor/ Project Director ATMA/ Director, IMAGE and the State Government of all liability on account of any dispute arising out of this financial assistance.</p>		
11	Signature of the farmer		
	* If land records are not available the farmer has to indemnify the BTT Convenor/ PD ATMA/ Director, IMAGE/ State Government from all liability through an MoU to be signed with PD ATMA in Rs.10 non-judicial stamp paper.		
	Signature of the Official submitting the Proposal: Name Designation		Recommendation of the BTT Convenor

Verification by Team of Officers:

We have verified the Farm Pond, infrastructure, and land of the farmer and are satisfied that the Farmer is eligible for assistance for Establishment of Integrated Farm Model

DPD ATMA

VAS

AHO/Horticulturist

FEO

Recommended for approval and release of 1st installment

Project Director, ATMA

Approved and released 1st installment of assistance for Rs....

Collector and Chairman, ATMA

Assign a Sl. Number to each proposal submitted after verification by the Team and recommendation for release of funds. Enter this sl number at the top of the proposal format for easy identification. It will be ideal if a Register of proposals are maintained indicating the details of the farmer as above, with details of release of financial assistance

@A copy to be retained by BTT Convenor with approval of Chairman, ATMA. Of the remaining two copies one will be retained by ATMA and the third copy will be submitted to Director, IMAGE.

ANNEXURE-II

AFFIX Rs.10 Non Judicial
Court Fee Stamp

MEMORANDUM OF UNDERSTANDING (MoU)
FOR DEVELOPMENT OF INTEGRATED FARMING SYSTEM (IFS) MODELS ON
“PROMOTION OF INTEGRATED FARMING”

This Memorandum of Understanding (MoU) is signed between the BTT Convener / Project Director, ATMA..... (The First Parties) and

Shri
.....S/o.....Village.....
.....PO/PS.....Block.....District.....
..... On thisth Day of , 2013

WHEREAS the Director of Agriculture & Food Production, Odisha, the main Implementing Agency under the State Plan Scheme “Promotion of Integrated Farming” has placed the funds for implementation of the programme as per the Scheme document and operational guidelines with P.D, ATMA for implementation through the ATMA and BTT Convenors.

AND WHEREAS, the scheme will be implemented through the BTT Convenor/ ATMA in accordance with the guidelines in selected farmers’ lands having an existing farm pond as specified in the guidelines.

AND WHEREAS the 2nd party hereto have consented to be a beneficiary of the Scheme for development an Integrated Farming System in his own land and the BTT Convenor of the Block has selected the aforementioned 2nd party as a beneficiary on the basis of such consent and documents produced by him after verification of physical infrastructure.

AND WHEREAS the 2nd Party owns the land / has the legal rights to the land in which the farm pond is located, as mentioned in Schedule-I by way of ownership/ inheritance or otherwise and the second party hereby indemnify the BTT Convenor/ Project Director, ATMA/ Director, Institute on Manage of Agriculture Extension (IMAGE), the Director of Agriculture & Food Production, Odisha, and the State Government of all liabilities or dispute arising out of right and tile of the land in question, in all respects.

AND WHEREAS the 2nd party by virtue of this MoU understands and agree that all disputes arising out of the title, interest or possession of the land shall be settled by him and the aforementioned Officials of ATMA or the Government will have no liability on account of such dispute during the execution of the project or thereafter and he shall be responsible for the execution of the project.

AND WHEREAS the BTT Convenor/ ATMA Officials have explained the concept of the Scheme, and the 2nd party clearly understands and agree that he has to discharge the obligations for developing his own farm with his share of investment under the Integrated Farming System with the assistance of BTT Convenor/ ATMA in the manner specified in the Schedule-II.

AND WHEREAS, the First parties shall recommend to the P.D., ATMA for release of funds to the 2nd party into his Bank Account in the manner specified in Schedule-III.

AND WHEREAS, the 2nd party understand and agree that shall refund all the sums paid to him by way assistance under the scheme, if he withdraws from the scheme midway or do not discharge the obligations under the scheme to the Project Director, ATMA

NOW THEREFORE, both the parties hereto agree and execute this MoU which shall be binding on both the parties, in witness whereof both the parties hereto have signed and delivered this MoU on the date aforementioned, with their seal and signature

(Signature)
For Second Party

Name of the Farmer
Address

(Signature)
First Party (1)
Project Director ATMA
Name of the ATMA/

BTT Convenor,
Name of Block.
.....
First Party (2)

Witnesses:

1... 1.
2 2

SCHEDULE-I

LAND SCHEDULE

1. Existing Farm Pond Size : Length Breadth Depth
Mean Water level : During Lean months During Peak
2. Land Schedule:

Patta No.	Khata No.	Area(ha)
Village	Mouza	Taluk
PS	Block	Village

SCHEDULE-II

ACTIVITIES TO BE TAKEN UP:

1. Interventions to be taken up
 - viii. Undertake pisciculture in the farm Pond.
 - ix. Two (2) cross breed/ improved milch cow
 - x. At least 2 nos of Apiculture boxes with bees.
 - xi. At least two vermi compost units
 - xii. Duckery unit with (Khaki Campbell birds- 100 nos)
 - xiii. Poultry Unit with – 50 Colour Bids, 20 Desi birds
 - xiv. Take up crop production as specified, with modifications as may be suitable/ recommended.
2. Cropping to be taken up with related activities:
 - j. Boundary with Custard apple or Acacia mangium or Subabool
 - k. Plantation of Papaya, Moringa and Banana (Bantal) on the bund of the pond.
 - l. Plantation of fruit plants like Guava (2-3 nos), Lemon (5 to 7 nos), Pomegranate (5 to 7 nos.)
 - m. Paddy in Kharif - 0.50 Ac.
 - n. Maize in Kharif - 0.50 Ac.
 - o. Pulses and Oilseed in Rabi - 1.25 Ac.
 - p. Vegetables in Rabi - 0.25 Ac.
 - q. Green Fodder (Rabi & Kharif) - 0.50 Ac.
 - r. Vegetable in Kharif - 0.50 Ac.
 - s.

Schedule-III

SCHEDULE OF RELEASE OF ASSISTANCE SUBJECT TO FULLFILMENT OF ACTIVITIES

Sl. No.	Phases	Amount to be released to beneficiary	Works to be completed before release of the phased assistance
1	Phase-I	Rs.40,000/-	For Land Development and preparation for establishment of Poultry, Duckery, Pisciculture, Dairy, Vermi beds, Boundary
2	Phase-II	Rs.30,000/-	Completion of duckery, poultry, dairy, apiculture, Vermi beds, boundary, bund plantation and starting of cultivation
3	Phase-III	Rs.30,000/-	On establishment of the Project.