

## **PROMOTING RED GRAM CULTIVATION FOR NUTRITIONAL SECURITY**

### ***Operational Guidelines***

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**The following operational guidelines are proposed for implementing the scheme.**

**1. Popularizing Improved package of practices in Transplanted red gram-**

No. of demonstrations (one Ha): 21870 ha

Cost of the project @ Rs.15000/Ha.

Subsidy Pattern : 50% subsidy

**Selection of Beneficiaries:**

1. Adequate publicity should be given about the scheme in News papers, AIR, leaflets, pamphlets, etc. and willingness should be invited from the farmers on plain paper.
2. Small and Marginal farmers are eligible to avail benefits under the scheme.
3. The name of the farmers expressing willingness to avail benefit under the scheme shall be entered in a priority register, maintained in the AEC (Format in Annexure-I).
4. The Assistant Agriculture Officer will select the farmers from the priority register based on the seniority and will obtain application in Annexure-II from them along with the following documents.
  - a. FIHB and an extract of Chitta/Adangal .
  - b. Identification of farmers by Voter ID / ration card or FIHB.
5. The beneficiary selected should find a place in the farm family register maintained by the Asst. Agricultural Officer.
6. Priority will be given to the farmers who have not been benefited under this scheme earlier.
7. Only after covering all the farmers in the farm family register, the AAO can recommend for repetition of beneficiaries subject to the seniority as per priority register.
8. The list of farmers selected for issue of inputs should be displayed in the notice board of the AEC and should be uploaded on the AGRISNET web site.

9. The assistance will be disbursed partly in form of critical inputs, supplied by the department and partly in form of back ended subsidy.
10. The ADAs should procure the critical inputs such as seeds, Bio-fertilizers, MN Mixture, Bio-pesticides, etc. and distribute through AECs. The inputs should be distributed immediately on receipt of application.
11. In case of back ended subsidy it should be distributed within 30 days of transplanting. Verification of the demonstration should be carried out within this period.
12. The receipt of stock for critical inputs should be verified by the Assistant Director of Agriculture.
13. Proper billing of inputs should be done in the Agricultural Extension Centre and record should be maintained for the transaction.
14. As stipulated in the NADP guidelines, at least 20% of the benefits should be given to SC/ST farmers.
15. A field day should be organized by inviting farmers from the neighbouring villages. Documentation such as photos taken before and after transplantation should be done.
16. An information board displaying salient details such as name of the scheme, name of the beneficiary, year, subsidy amount etc. should be displayed at the demonstration plot.

#### **Disbursement of back ended subsidy**

1. Farmers should furnish a separate application to the Assistant Agriculture Officer for reimbursing the cost of poly bag, FYM, soil, sand, preparation and filling of pot culture, sowing, maintenance and planting or Farmers buying seedlings from other farmers may also be allowed at permitted cost or with Photostat copy of the Bank Pass book providing information of Account holder Name, Address and A/c No. (Model application form in Annexure -II).
2. The AAO, after verifying whether the transplantation technology has been followed in the laying of demonstration, will recommend the application to the ADA through AO/Deputy AO for disbursing the cash component of the

- subsidy. While recommending the application the AAO should mention the bill no. and date of issue of inputs.
3. Agriculture Officer/Deputy AO should verify 100% of the demonstration before disbursing the cash component of the assistance.
  4. The subsidy amount should be settled to the farmers by means of ECS/Account payee cheque.
  5. The acknowledgement for the receipt of cheque should be furnished by the beneficiary.
  6. To ensure proper implementation of the demonstrations, the block Assistant Director of Agriculture should verify a minimum 50% of the demonstration, Deputy Director of Agriculture (GOI) and DDA(SS) each should inspect 10% of the demonstration and the Joint Director of Agriculture should inspect at least 5% of the demonstration.
  7. A Register of all the demonstrations laid should be maintained with the concerned farmer's photo affixed along with the detail of inputs distributed (format in Annexure III). This register should be maintained at Block level and a separate register should be maintained for each year.
  8. After the completion of the work the AAO should make necessary entries in AGRISNET for each beneficiary.
  9. Documentation should be done by uploading the success stories in AGRISNET.

## **2. Precision Farming**

No. of districts proposed to be covered : 10 districts.

. Physical : 1000 ha.

The clusters of 15-20 Farmers needs to be Identified .

### **a. Installation of drip and fertigation by Converging funds from NMSA**

The installation of Drip Irrigation and fertigation system would be implemented as per the guidelines of On Farm Water Management component of National Mission on

Sustainable Agriculture and the entire cost for the installation would be dovetailed from the Scheme.

**b. Distribution of Critical Inputs**

The critical inputs such as seed, Macro and Micro nutrients, Bio- fertilizers, Bio agents, PP chemicals and weedicides would be dovetailed from GOI Schemes . An additional assistance of Rs.17500/-per hectare for distribution of water soluble fertilizers will be provided under NADP.

**c. Contingencies**

In addition to the input cost, Publicity and documentation @ Rs.1000/-cluster of 20 Ha. will be provided so as to have better implementation and documentation and Rs.500/-cluster will be provided for POL to have successful monitoring of the scheme.

**3. Distribution of seedlings for Bund cropping/Bush cropping**

No. of districts proposed to be covered	: 3 districts.
.No. of seedlings	: 1250000 nos.
Finance	: 36.369 lakhs

The seedlings should be raised in the innovative farmer's field and distributed to the beneficiaries already identified .In case of bund and bush cropping the seedlings should be distributed free of cost to the farmers and tribals respectively .

The Cost for raising 1000 seedlings is as follows.

<b>Sl no</b>	<b>Inputs</b>	<b>Unit cost</b>	<b>Cost(Rs.)</b>
1	Seeds-0.120 Kg	150/kg	18.000
2	Poly bag 6x3	0.29/Bag	290.000
3	FYM,Vermicompost,Redsoil	9.20 Rs per kg	1000.00
4	Trichoderma viridi	300 per kg	0.400
5	Bio fertilizers	Rs 6/200 gm	0.700
6	Calcium chloride	Rs 900 per kg	0.400
7	Filling poly bag with soil,FYM	200 Rs per labour	800.000
8	Weeding	200 Rs per labour	320.000
9	Watering	200 Rs per labour	480.000
	<b>Total</b>		<b>2909.500</b>

**Disbursement of back ended subsidy :**

1. Farmers should furnish an application to the Assistant Agriculture Officer for reimbursing the cost of raising nursery with Photostat copy of the Bank Pass book providing information of Account holder Name, Address and A/c No. (Model application form in Annexure II).

2. The AAO, after verifying whether the seedlings has been raised will recommend the application to the ADA through AO/Deputy AO for disbursing the cash component of the subsidy. While recommending the application the AAO should mention the bill no. and date of issue of inputs.

3. Agriculture Officer /Deputy AO should verify the raising of seedlings and ensure that planting is done in the fields of beneficiaries.

4. The subsidy amount should be settled to the farmers by means of ECS/Account payee cheque.

5. The acknowledgement for the receipt of cheque should be furnished by the beneficiary.

6. To ensure proper implementation , the block Assistant Director of Agriculture should verify the raising of seedlings and that the seedlings have been distributed and planted in the fields of beneficiaries.

7. A Register should be maintained with the farmer's photo affixed (format in Annexure III). This register should be maintained at Block level .

8. After the completion of the work the AAO should make necessary entries in AGRISNET for each beneficiary.

9 .Documentation should be done by uploading the success stories in AGRISNET.

**Sd/-Kiran Gurrula  
For Director of Agriculture**

## **Annexure -2**

### **NADP 2014-15 – PROGRAMME ON PULSES MISSION –Operational Guidelines**

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The 11 th meeting of SLSC of NADP on 29.1.2014 have approved the implementation of Programme on Pulses Mission under National Agricultural Development Programme 2014-15 .

**The following operational guidelines are proposed for implementing the scheme.**

#### **3. Increasing area and Production of Red gram as Border/Bund Crop.**

Physical	:	5000 Nos
Financial allocation	:	Rs.37.5 lakhs
Rate of Assistance	:	Rs.750/- per hectare ( 50% subsidy)

#### **Selection of Beneficiaries:**

17. Adequate publicity should be given about the scheme in News papers, AIR, leaflets, pamphlets, Farmers portal , SMS etc. and willingness should be invited from the farmers on plain paper.
18. Small and Marginal farmers are eligible to avail benefits under the scheme.
19. The name of the farmers expressing willingness to avail benefit under the scheme shall be entered in a priority register, maintained in the AEC (Format in Annexure-I).
20. The Assistant Agriculture Officer will select the farmers from the priority register based on the seniority and will obtain application in Annexure-II from them along with the following documents.
  - a. FIHB and an extract of Chitta/Adangal .
  - b. Identification of farmers by Voter ID / ration card or FIHB.
21. The beneficiary selected should find a place in the farm family register maintained by the Asst. Agricultural Officer.
22. The list of farmers selected for issue of inputs should be displayed in the notice board of the AEC and should be uploaded on the AGRISNET web site.
23. The assistance will be disbursed as back ended subsidy.

24. The back ended subsidy should be distributed within 30 days of dibbling the seeds. Verification of the demonstration should be carried out within this period.
25. As stipulated in the NADP guidelines, at least 20% of the benefits should be given to SC/ST farmers.
26. A field day should be organized by inviting farmers from the neighbouring villages. Documentation such as photos taken .
27. An information board displaying salient details such as name of the scheme, name of the beneficiary, year, subsidy amount etc. should be displayed at the demonstration plot.

### **Disbursement of back ended subsidy**

1. Farmers should furnish a separate application to the Assistant Agriculture Officer for reimbursing the cost of seeds, Bio-fertilizer, PP Chemicals, DAP and spraying cost with Photostat copy of the Bank Pass book providing information of Account holder Name, Address and A/c No. (Model application form in Annexure -II).
10. The AAO, after verifying whether the Bund cropping demonstration, has been followed will recommend the application to the ADA through AO/Deputy AO for disbursing the cash component of the subsidy. While recommending the application the AAO should mention the bill no. and date of issue of inputs.
11. Agriculture Officer/Deputy AO should verify 100% of the demonstration before disbursing the cash component of the assistance.
12. The subsidy amount should be settled to the farmers by means of ECS/Account payee cheque.
13. The acknowledgement for the receipt of cheque should be furnished by the beneficiary.
14. To ensure proper implementation of the demonstrations, the block Assistant Director of Agriculture should verify a minimum 50% of the demonstration, Deputy Director of Agriculture (GOI) and DDA (SS) each should inspect 10% of the demonstration and the Joint Director of Agriculture should inspect at least 5% of the demonstration.



15.A Register of all the demonstrations laid should be maintained with the concerned farmer's photo affixed along with the detail of inputs distributed (format in Annexure III). This register should be maintained at Block level and a separate register should be maintained for each year.

16. After the completion of the work the AAO should make necessary entries in AGRISNET for each beneficiary.

9. Documentation should be done by uploading the success stories in AGRISNET.

#### **4. INM for Pulses.**

##### **Foliar spraying of DAP 2% for Pulses.**

Physical	:	5090 hectare
Financial allocation	:	Rs.33.085 lakhs
Rate of Assistance	:	Rs.650/-ha

##### **Selection of Beneficiaries:**

1. Adequate publicity should be given about the scheme in News papers, AIR, leaflets, pamphlets, etc. and willingness should be invited from the farmers on plain paper.
2. A farmer can avail assistance for a maximum of 1 Ha
3. The name of the farmers expressing willingness to avail benefit under the scheme shall be entered in a priority register, maintained in the AEC (Format in Annexure-I).
4. The Assistant Agriculture Officer will select the farmers from the priority register based on the seniority and will obtain application in Annexure-II from them along with the following documents.
  - c. FIHB and an extract of Chitta/Adangal .
  - d. Identification of farmers by Voter ID / ration card or FIHB.
5. The beneficiary selected should find a place in the farm family register maintained by the Asst. Agricultural Officer.
6. Priority will be given to the farmers who have not been benefited under this scheme earlier.

7. Only after covering all the farmers in the farm family register, the AAO can recommend for repetition of beneficiaries subject to the seniority as per priority register.
8. The list of farmers selected for issue of inputs (DAP) should be displayed in the notice board of the AEC and should be uploaded on the AGRISNET web site.
9. DAP (25 kg per hectare) should be distributed immediately on receipt of application.
10. The ADAs should procure the DAP (worth Rs.650 per hectare) and distribute through AECs.
11. The receipt of stock for DAP should be verified by the Assistant Director of Agriculture.
12. Proper billing of inputs should be done in the Agricultural Extension Centre and record should be maintained for the transaction.
13. As stipulated in the NADP guidelines, at least 20% of the benefits should be given to SC/ST farmers.
14. Documentation such as photos taken during DAP spraying should be done.
15. An information board displaying salient details such as name of the scheme, name of the beneficiary, year, subsidy amount etc. should be displayed at the field.
16. A Register should be maintained with the farmer's photo affixed along with the detail of inputs distributed (format in Annexure III). This register should be maintained at Block level and a separate register should be maintained for each year.
17. After the completion of the work the AAO should make necessary entries in AGRISNET for each beneficiary.
18. Documentation should be done by uploading the success stories in AGRISNET.

**5. Production subsidy for certified seeds @ Rs.15/Kg:**

Physical	: 2000 Mt
Financial allocation	: Rs.300 lakhs
Rate of assistance	: Rs. 15/Kg

All the seed farm growers of the Department irrespective of the class of certification are eligible to avail the subsidy. The seed should pass all the pulses seed certification standards.

### **Red gram Cultivation in Mission Mode**

#### **CM Announcement under Rule.110:**

பயறு உற்பத்தியில் தன்னிறைவு அடைய ஏதுவாக, சாகுபடி பரப்பினை உயர்த்த துவரைப்பயிர் சாகுபடி ஓர் இயக்கமாக செயல்படுத்தப்படும். துவரை சாகுபடியை அதிகரிக்க பல்வேறு உத்திகள் கடைபிடிக்கப்படுவதுடன், துவரை சாகுபடி செய்யும் விவசாயிகள் குழுக்கள் அமைத்து, அக்குழுக்களை விவசாயிகள் உற்பத்தியாளர்கள் அமைப்பாக ஒருங்கிணைத்து, தமிழ்நாடு நுகர்பொருள் வாணிபக்கழகம் மற்றும் கூட்டுறவுத்துறை மூலம் அரசே நியாயமான விலைக்கு துவரையினை கொள்முதல் செய்யவும் நடவடிக்கை எடுக்கப்படும். துவரை பயறுக்கான இச்சிறப்புத்திட்டம் 55 கோடியே 15 லட்சம் ரூபாய் மதிப்பீட்டில் மேற்கொள்ளப்படும்.

#### **Project components:**

- Popularizing Improved package of practices in Transplanted red gram-1.3 lakh acres.
- Promoting precision farming in 2500 acres.
- Promotion of Bund cropping through Demonstrations, distribution of 5 lakh seedlings to farmers besides supply of 5 lakh seedlings -Bush type variety in hilly regions .
- Formation Of Farmers
- Producer Organizations .
- Value addition Through Pulses Mini Dhal Mills.
- Procurement through TNCSC and Cooperatives.

Sno	Schemes To Be Dovetailed	Physical	Finance (Lakhs)
1	NADP	36870 Ha	2765.250
2	NFSM	5000 Ha	375.000
3	S.MAE	5330 Ha	399.750
4	NMSA	4800 Ha	360.000
	<b>Total</b>	<b>52000 Ha</b>	<b>3900.000</b>

### **1.Popularizing Improved package of practices in Transplanted red gram**

#### **Total Project Cost:**

1. No.of districts proposed to be covered : 26 districts.
2. No. of demonstrations (one Ha) : 52000 ha.
3. **Cost of the project @ Rs.7500/Ha. for**  
**52000 Demonstrations : Rs.3900.00 lakhs**

*Target sent vide Lr.no. POS.1 /53525 / 2014, Dated: 30 .07.2014*

### **2. Precision Farming**

#### **Project Area:**

It is proposed to implement this project in Krishnagiri ,Vellore ,Dharmapuri ,Theni, Karur.

#### **Total Project Cost:**

1. No.of districts proposed to be covered : 5 districts.
2. Physical : 1000 ha.
3. Total Cost of the project : 1082.35 Lakhs

*Target sent vide Lr.No. POS.5 / 90197 /2014, Dated - 21.08..2014*

### **3. Promotion of Bund cropping in Red gram :**

#### **A. Demonstrations:**

In order to increase the red gram area coverage inclusion of red gram as Bund/Border crop is the need of the hour . This Bund/ Border crop of red gram should be adopted as dibbling method at a spacing of 6 feet x 3 feet field day will be conducted by inviting farmers nearby villages .The 50% subsidy given as back ended for Rs.750/ha. The financial outlay of popularization of bund cropping through demonstrations is Rs.37.5 lakhs , dovetailed from NADP-Pulses Mission.

<b>S.No.</b>	<b>Component</b>	<b>Amount (Rs.)</b>
1.	Cost of seed @2 kg/ha	200.00
2.	Liquid biofertilizer	300.00
3.	DAP 2% spray at 25kg/ha+ s praying cost	500.00
4.	PP Chemicals	500.00
	<b>Total</b>	<b>1500.00</b>

**Total cost: Rs.1500/Ha**

**50% subsidy: Rs.750/Ha**

#### **Total project cost:**

(a) No.of demonstrations : 5000 Nos.

(b) Cost of the project @ Rs.750/ha

for 5000 demonstrations : Rs.37.500 lakhs

***Target enclosed for reference. Would be send officially in a short time.***

#### **B) Distribution of seedlings for Bund cropping:**

Previously, red gram was grown on field bunds by the farmers for own subsistence .To reintroduce the dispensed practice and to promote growing red gram on field bunds 5 lakh seedlings would be distributed to farmers. Another 5 lakh seedlings would be distributed to promote the bush type variety in hilly areas.

**Project Area:** Krishnagiri, Thiruvannamalai ,Nammakkal

#### **Abstract of schemes to be Dove tailed:**

<b>Sno</b>	<b>Schemes To Be Dovetailed</b>	<b>Physical</b>	<b>Finance (Lakhs)</b>
1	NADP-Demonstrations	5000 Ha	37.500
2	NADP-Distribution of seedlings	10 lakh seedlings	36.369
	<b>Total</b>		<b>73.869</b>

***Target sent vide Lr.No. POS.5 / 90197 /2014, Dated - 21.08..2014***

**4,5 &6. Formation Of FPO's and Procurement through TNCSC And Cooperatives:**

The Farmers Interest Groups would be formed and integrated into Farmers Producer Organizations through Agri Business and Agricultural Marketing Department. The Produce would be value added through Pulses Mini Dhal mills procured through Agricultural Engineering Department involving groups of farm women .Necessary steps would be taken to procure the Value added product at a reasonable price through Tamilnadu Civil Supplies Corporation and Cooperatives.