



## ABSTRACT

Agriculture – Implementation of Centrally Sponsored Scheme National Food Security Mission (NFSM) - Administrative approval and Financial sanction for sum of Rs.2270.00 lakh under Additional area coverage for increasing Pulses Production during Rabi 2017-2018 on 60 : 40 sharing basis – Orders - Issued.

**Agriculture (AP4) Department**  
**திருவள்ளூர் ஆண்டு 2018, ஐப்பசி-30**

G.O.(Ms.)No.281

Dated: 16.11.2017

Read:

1. G.O(Ms).No.04, Agriculture (AP4) Department, dated 04.01.2017.
2. From the Additional Commissioner (Crops), Government of India, Ministry of Agriculture & Farmers Welfare, Department of Agriculture, Cooperation & Farmers Welfare, Crops Division, NFSM Cell, Krishi Bhawan, New Delhi, letter F.No. 2-25/2017-NFSM, dated 04.10.2017.
3. From the Under Secretary to Government of India, Ministry of Agriculture & Farmers Welfare, Department of Agriculture, Cooperation & Farmers Welfare, Crops Division, NFSM Cell, Krishi Bhawan, New Delhi, letter No. CPS3-6/2017-NFSM, dated 12.10.2017 (3 letters)
4. From the Director of Agriculture Letter No. GOI - 2/120832 /2016 dated 24.10.2017.

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### ORDER:-

In the Government order first read above, administrative approval and financial sanction were accorded for a sum of Rs.600.00 lakh (Government of India share Rs.360.00 lakh and State share Rs.240.00 lakh), shared between Central and State on 60:40 sharing basis for the implementation of the scheme Additional area coverage for increasing Pulses Production under National Food Security Mission (NFSM) during 2016-17.

2. In the letter second read above, the Government of India have conveyed the approval of the competent authority for implementation of the Additional Area Coverage for increasing Pulses Production during Rabi 2017-18, under National Food Security Mission for Rs.2270.00 lakh (Government of India share Rs.1362.00 lakh and State share Rs.908.00 lakh) shared between Central and State at 60:40 sharing pattern.

[p.t.o]

3. In the letters third read above, the Government of India have conveyed the sanction and release for a sum of Rs.1362.00 lakh (60% Government of India share) under National Food Security Mission for Additional Area Coverage for increasing Pulses Production during Rabi 2017-18 as follows:-

(Rs.in lakh)

Release of Government of India Share	Category wise release			
	General	SC	ST	Total
	1089.600	258.780	13.620	1362.000

4. In the letter fourth read above, the Director of Agriculture has sent a proposal to the Government requesting to accord administrative approval and financial sanction of Rs.2270.00 lakh (Government of India share Rs.1362.00 lakh and State share Rs.908.00 lakh) for the implementation of scheme Additional area coverage for increasing Pulses Production during Rabi 2017-18 shared between Central and State at 60 : 40 sharing basis as detailed below:-

(Rs in Lakh)

Sl.No	Category	Financial Sanction requested for Additional Area Pulses		
		Government of India share (60%)	State Share (40%)	Total
1	General	1089.600	726.400	1816.000
2	SC	258.780	172.520	431.300
3	ST	13.620	9.080	22.700
	<b>Total</b>	<b>1362.000</b>	<b>908.000</b>	<b>2270.000</b>

5. The Government, after careful examination of the proposal of the Director of Agriculture hereby accord administrative approval and financial sanction for a sum of Rs.2270.00 lakh (Government of India share Rs.1362.00 lakh and State share Rs.908.00 lakh) for the implementation of scheme Additional area coverage for increasing Pulses Production under National Food Security Mission (NFSM) during Rabi 2017-18, shared between Central and State at 60 : 40 sharing basis as detailed in the **Annexure I** to this order.

6. The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

"2401-00- Crop Husbandry-112 Development of Pulses-Schemes shared between State and Centre – UB - National Food Security Mission -09 Grants-in- Aid 03 Grants for Specific Schemes".

(DPC 2401-00-112-UB-0931) – (Rs.1816.000 lakh).

[p.t.o]

2401-00- Crop Husbandry-789 Special Component Plan for Schedule Castes - Schemes shared between State and Centre – US - National Food Security Mission -09 Grants–in- Aid 03 Grants for Specific Schemes”.

(DPC 2401-00-789-US-0934) – (Rs.431.300 lakh).

2401-00- Crop Husbandry-796 Tribal Area Sub-Plan Schemes shared between State and Centre – UN - National Food Security Mission -09 Grants–in- Aid 03 Grants for Specific Schemes”.

(DPC 2401-00-796-UN-0939) – (Rs.22.700Lakh).

7. The Director of Agriculture is authorized to draw and deposit the category wise sanctioned amount into the National Food Security Mission (NFSM) Bank Account maintained at Tamil Nadu Watershed Development Agency for implementation of National Food Security Mission Programme during 2017-18.

8. The concerned Joint Directors of Agriculture are permitted to draw and disburse the amount pertaining to Trichoderma Viride to the concerned production units as when required.

9. The varieties of seeds of pulses used for cluster demonstration and seed distribution should not be more than 15 years old.

10. The Director of Agriculture is directed to strictly follow the revised guidelines of National Food Security Mission communicated by Government of India while implementing the scheme.

11. The Director of Agriculture is directed to strictly follow the Crop Specific Detailed Guidelines while implementing of the scheme Additional area coverage for increasing Pulses Production under National Food Security Mission (NFSM) during Rabi 2017-18 as detailed in the **Annexure II**.

12. The Director of Agriculture is authorized to issue necessary executive instructions, in continuation of the guidelines issued, as and when situation arises.

13. The Director of Agriculture is also requested to ensure that the statutory allocation under Special Component Plan (SCP) and Tribal Sub Plan (TSP) are made accordingly and also 30% of budgetary allocation is earmarked for women beneficiaries/ farmers.

14. The Director of Agriculture is further requested to submit the monthly progress report incorporating target beneficiary-wise information by 15<sup>th</sup> of the following month regularly along with Annual Progress Report and Utilization Certificate in the prescribed format GFR–19(A) at the end of the year, to the Government of Tamil Nadu and Government of India.

[p.t.o]

15. This order issues with the concurrence of Finance Department vide its U.O. No.57472 /Agri /2017, Dated.15.11.2017.

**(BY ORDER OF THE GOVERNOR)**

**GAGANDEEP SINGH BEDI  
AGRICULTURAL PRODUCTION COMMISSIONER AND  
PRINCIPAL SECRETARY TO GOVERNMENT**

To

The Mission Director/Director of Agriculture, Chennai-5.  
The Executive Director, Tamil Nadu Watershed Development Agency,  
Chennai-32.  
The Principal Accountant General (AAD), Chennai- 18.  
The Principal Accountant General (G&SSA), Chennai-18.  
The Principal Accountant General (E&RSA), Chennai-18.  
The Accountant General, Chennai-18.  
The Accountant General (A&E), Chennai - 18/(By name)  
The Accountant General (Audit), Chennai-18./(By name)  
The Pay and Accounts Officer (East), Chennai-8.  
The Residential Audit Officer, O/o. the Principal Accountant General (Social  
Sector Audit), Chennai-9.  
The Treasury Officers concerned.

**Copy to**

The Director of Sugar, Chennai-35.  
The Director of Seed Certification & Organic Certification,  
Coimbatore-3.  
The Registrar, Tamil Nadu Agricultural University, Coimbatore-3.  
The Principal Secretary/Commissioner, Department of Economics & Statistics,  
Chennai-6.  
The Director, Evaluation and applied research Department,  
Chennai-108.  
The Secretary to Government of India, Ministry of Agriculture,  
Department of Agriculture and Cooperation, Krishi Bhawan,  
New Delhi.  
The Director (Crops), Government of India, Ministry of Agriculture,  
Department of Agriculture and Cooperation, Krishi Bhawan, New Delhi.  
The Additional Commissioner (Crops), Government of India, Ministry of  
Agriculture, Department of Agriculture and Cooperation,  
Krishi Bhawan, New Delhi.  
The Director, Directorate of Rice Development, Patna.  
The Director, Directorate of Pulses Development, Bhopal.  
The Director, Directorate of Millets Development, Jaipur.  
The Director, Directorate of Cotton Development, Mumbai.  
The Director, Directorate of Sugarcane Development, Lucknow.  
The Private Secretary to Agricultural Production Commissioner and  
Principal Secretary to Government, Agriculture Department, Chennai-9.

(p.t.o)

The Special Personal Assistant to Hon'ble Minister for Agriculture Department,  
Chennai -9.

The Finance (Agri/BG I/ BG II) Department, Chennai-9.

The Planning, Development and Special Initiatives Department, Chennai-9.

The Financial Controller, Office of the Director of Agriculture,  
Chennai-5.

The Agriculture (OP3) Department, Chennai- 9. (2 Copies)

The Director, National Information Centre, Chennai-9.

The Assistant Programmer, Agriculture Department, Chennai -9.

The connected file No.22047/AP4/2017.

Stock file and Spare copies.

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16/11/17  
SECTION OFFICER  
16/11/17

**Annexure - I**

**(G.O. (Ms) No.281, Agriculture(AP4) Department, dated 16.11.2017)**

**Action Plan for the implementation of Additional Area Coverage for increasing Pulses Production during Rabi / Summer 2017-18**

SI No	Interventions	Approved Rate of Assistance	Unit	Target			
				Physical	Finance (Rs. In Lakh)		
					GOI Share	State share	Total
1	<b>Demonstrations on improved technologies</b>						
	<b>(a) Cluster Demonstrations (of 100 Ha each)</b>						
	(i) Blackgram	Rs.5000/Ha	Ha	9700	291.000	194.000	485.000
	(ii) Greengram		Ha	2500	75.000	50.000	125.000
	(iii) Horsegram		Ha	300	9.000	6.000	15.000
	<b>Sub Total (a)</b>			<b>12500</b>	<b>375.000</b>	<b>250.000</b>	<b>625.000</b>
	<b>b) Cropping system based demonstrations</b>						
	(i) Maize followed by Pulses	Rs.10000/ Ha	Ha	1000	60.000	40.000	100.000
	(ii) Paddy followed by pulses	Rs.12500/ Ha	Ha	6000	450.000	300.000	750.000
	<b>Sub Total (b)</b>			<b>7000</b>	<b>510.000</b>	<b>340.000</b>	<b>850.000</b>
	<b>c) Demonstrations on Inter cropping</b>						
	(i) Intercropping of black gram with Groundnut	Rs.7500/ Ha	Ha	1000	45.000	30.000	75.000
	<b>Sub Total (c)</b>			<b>1000</b>	<b>45.000</b>	<b>30.000</b>	<b>75.000</b>
<b>Sub Total 1</b>			<b>20500</b>	<b>930.000</b>	<b>620.000</b>	<b>1550.000</b>	
2	<b>Integrated Nutrient Management</b>						
	i)Distribution of Micro Nutrient Mixtures	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	15000	45.000	30.000	75.000
	<b>Sub Total (2)</b>			<b>15000</b>	<b>45.000</b>	<b>30.000</b>	<b>75.000</b>

(P.t.o)

<b>3</b>	<b>Integrated Pest Management</b>						
	(i) Distribution of PP chemicals	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	25080	75.240	50.160	125.400
	(ii) Distribution of Weedicides	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	12000	36.000	24.000	60.000
	<b>Sub Total (3)</b>			<b>37080</b>	<b>111.240</b>	<b>74.160</b>	<b>185.400</b>
<b>4</b>	<b>Resource Conservation Technologies / Tools</b>						
	i)Distribution of Manual Sprayer	Rs.600/ No or 50% of the cost whichever is less	Nos	1600	5.760	3.840	9.600
	<b>Sub Total (4)</b>			<b>1600</b>	<b>5.760</b>	<b>3.840</b>	<b>9.600</b>
<b>5</b>	<b>Efficient water application Tools</b>						
	i)Pipes carrying water from source to field (PVC Pipes)	50 % of the cost limited to Rs.35/M for PVC pipes with a maximum limit of Rs.15000 per farmer/beneficiary	Unit	3000	270.000	180.000	450.000
	<b>Sub Total (5)</b>			<b>3000</b>	<b>270.000</b>	<b>180.000</b>	<b>450.000</b>
	<b>Grand Total</b>				<b>1362.000</b>	<b>908.000</b>	<b>2270.000</b>

**GAGANDEEP SINGH BEDI**  
**AGRICULTURAL PRODUCTION COMMISSIONER AND**  
**PRINCIPAL SECRETARY TO GOVERNMENT**

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16/11/17  
**SECTION OFFICER**

*16/11/17*

## Annexure- II

**G.O. (Ms) No.281, Agriculture (AP4) Department, dated 16.11.2017.**

### **Crop Specific Detailed Guidelines for National Food Security Mission (NFSM) – Additional Area coverage for Rabi/Summer Pulses 2017-18**

**NFSM – Additional Area coverage for Rabi Pulses will be implemented in all the districts except Chennai and Nilgiris at an outlay of Rs.2270.00 Lakh.**

- Guidelines issued for selection of beneficiaries, Demonstration plots, Extending back ended subsidy for all inputs and Creation of awareness and publicity under NFSM pulses may be adopted for Additional Area coverage for Rabi pulses 2017-18 also.
- Preference should be given to conduct atleast 20 % of demonstration in new area where pulses crop is normally not cultivated predominantly so as to bring additional area under pulses.

#### **Component: 1. Demonstration on improved Technologies**

##### **a) Cluster demonstrations (of 100 ha each)**

Rate of Assistance	:	Rs.5000/ Ha, Maximum 2 Ha/ Farmer
Source of inputs		<b>Department:</b> DAP, Trichoderma viride, Pusa hydrogel and Liquid bio fertilizers. <b>Back ended subsidy</b> - Seed, MN mixture and remaining inputs.
Varieties	:	All pulses varieties which are less than 15 years old are eligible.

##### **i & ii Black gram and Green gram demonstration**

Sl. No	Inputs	Qty/ Ha	Total Cost/ Ha (in Rs)
1	Certified Seed	20 kg	2000.00
2	Trichoderma Viridi	2.5 kg	350.00
3	Imidacloprid – seed treatment	5 ml/ kg of seeds	150.00
4	Pulses MN Mixture	5 Kg	350.00
5	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 +500 ml	300.00
6	Pusa hydrogel(0.1 ha)	250 gms	450.00
7	Foliar spray of nutrients (Including cost spraying ) for 2 sprays	25 Kg	1300.00
8	Weedicides	Need based	350.00
9	Plant protection Chemicals	Need based	250.00
10	Contingencies	Rs. 250/- for organization of field day, Rs.250/- for distribution of publicity material and Rs.300/- for Visit of Scientist / GOI officials	800.00
	<b>Total</b>		<b>6300.00</b>
			<b>Limited to Rs 5000/ha</b>



(Saving in one component may be used in another component. The balance amount of Rs.1300/- will be borne by the farmer under weedicides and foliar spray of nutrients.)

**iii) Horse gram demonstration**

Sl. No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)
1	Certified Seed (only less than 15 years old varieties)	20 kg	1300.00
2	Trichoderma Viridi	2.5 kg	350.00
3	Pulses MN Mixture	5 Kg	350.00
4	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 +500 ml	300.00
5	Pusa hydrogel (0.1 ha)	250 gms	450.00
6	Foliar spray of nutrients (Including cost spraying ) for 2 sprays	25 Kg	1300.00
7	Weedicides/PP chemicals	Need based	350.00
8	Contingencies	Rs.250/- for organization of field day, Rs.250/- for distribution of publicity material and Rs.300/- for Visit of Scientist / GOI officials	800.00
<b>Total</b>			<b>5200.00</b>
<b>Limited to Rs 5000/ha</b>			

(Saving in one component may be used in another component. The balance amount of Rs.200/- will be borne by the farmer under weedicides / foliar spray of nutrients.)

**b) Cropping system based demonstrations**

**i) Maize followed by Pulses**

Rate of Assistance	:	Rs.10000/ Ha, Maximum 2 Ha/ Farmer
Source of inputs	:	<b>Department:</b> DAP, Millet mixture, Trichoderma viride, Pusa hydrogel and Liquid bio fertilizers. <b>Back ended subsidy</b> – Maize and pulses Seed, Seed drill sowing, Pulses MN mixture and remaining inputs
Varieties	:	All pulses varieties which are less than 15 years old are eligible.

Sl. No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)
	<b>Black gram/ Green gram</b>		
1	Certified Seed	20 Kg	2000.00
2	Trichoderma Viridi	2.5 kg	350.00
3	Imidacloprid – seed treatment	5 ml/ kg of seeds	150.00
4	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 ml +500 ml	300.00
5	Pusa hydrogel(0.2 ha)	500 gms	900.00
6	Foliar spray of nutrients (including spraying cost for two sprays)	25 Kg	1300.00
7	Weedicides/ PP chemicals	Need based	1000.00
	<b>Maize</b>		
8	Seed and seed drill sowing	15 Kg	2250.00
9	Millet M N Mixture	12.5 kg	950.00
10	Trichoderma Viridi	2.5 kg	350.00
11	Weedicides	Need based	600.00
12	Liquid biofertilizers (Azospirillum + Rhizobium)	500 ml + 500 ml	300.00
13	Contingencies	Rs.250/- for organization of field day, Rs.250/- for distribution of publicity material and Rs.300/- for Visit of Scientist / GOI officials.	800.00
	<b>Total</b>		<b>11250.00</b>
			<b>Limited to Rs 10000/ha</b>

(Saving in one component may be used in another component. The balance amount of Rs.1250/- will be borne by the farmer under weedicides and foliar spray of nutrients.)

**ii)Paddy followed by Pulses**

Rate of Assistance	:	Rs.12500/ Ha, Maximum 2 Ha/ Farmer
Source of inputs		<b>Department:</b> DAP, Pusa hydrogel, Trichoderma viride and Liquid bio fertilizers, <b>Back ended subsidy</b> – Pulses Seed, Sowing with seed drill or mechanized planting and remaining inputs
Varieties	:	<b>All pulses varieties which are less than 15 years old are eligible.</b>

Sl. No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)
	<b>Paddy</b>		
1	Certified Seed	40 Kg/ha	1280.00
2	Seed hardening 1% KCL	1 kg/40 kg of seed	20.00
3	Sowing with Seed Drill/ Mechanized transplanting		1500.00
4	Weedicide	200 ml/ha	2000.00
5	Border crop with Pulses	3 kg/ ha	300.00
6	Azadirachtin	1 Lit/ha	600.00
7	Paddy MN Mixture	12.5 kg/ha	450.00
<b>8</b>	<b>Liquid Bio Fertilizer</b>		
	a. Azospirillum	500 ml/ha	300.00
	b. Phosphobacteria	500 ml/ha	
9	<b>Contingencies</b> (Publicity Rs.250 + Field day + LCC Card Rs.250 + Scientist / GOI /State Officials Visit Rs.300)		800.00
	<b>Pulses</b>		
10	Certified Seed	30 Kg/Ha	3000.00
11	DAP Foliar Spray 2% (2 Spray) along with spraying charges	25Kg/Ha for two sprays	1300.00
12	Pusa Hydrogel (Recommended in 0.1 Ha of 1 Ha demo area)	250 grams/Ha	450.00
13	IPM Packages ( Trap + Lures, Azardiractin, Need bases Chemicals)		500.00
	<b>Total</b>		<b>12500.00</b>

(Saving in one component may be used in another component)

**c) Demonstrations on Inter cropping**

**(i). Intercropping of Black gram with Groundnut**

Rate of Assistance	:	Rs.7500/ Ha, Maximum 2 Ha/ Farmer
Source of inputs	:	<b>Department:</b> DAP, Ground nut Mixture, Trichoderma viride and Liquid bio fertilizers <b>Back ended subsidy</b> – Pulses seed, seed drill sowing and remaining inputs.
Varieties	:	All pulses varieties which are less than 15 years old are eligible.

Sl. No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)
<b>Pulses</b>			
1	Certified Seed	10 Kg	1000.00
2	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 ml +500 ml	300.00
3	Foliar spray of nutrients	12.5 Kg	650.00
4	Trichoderma Viridi	2.5 Kg	350.00
<b>Groundnut</b>			
5	Seed drill sowing		1000.00
6	Groundnut MN Mixture	12.5 kg	600.00
7	Weedicides- Pendimethalin	3.3 litre	1500.00
8	Plant protection Chemicals	Need based	900.00
9	Gypsum	400 kg	1200.00
10	Contingencies	Rs.250/- for organization of field day, Rs.250/- for distribution of publicity material and Rs.300/- for Visit of Scientist / GOI officials.	800.00
<b>Total</b>			<b>8300.00</b>
<b>Limited to Rs 7500/ha</b>			

(Saving in one component may be used in another component. The balance amount of Rs.800/- will be borne by the farmer under weedicides and foliar spray of nutrients).

**Component: 2. Integrated Nutrient Management**

Rate of Assistance	:	Pulses Micronutrients @ Rs.500/ ha. (or) 50% of the cost whichever is Less
Source of inputs		<b>Pulses Micronutrients – Back ended subsidy</b>
Recommendation	:	Maximum of 2 Ha/ farmer
Districts	:	All districts except Chennai and Nilgris.

**Component: 3. Integrated Pest Management**

**i) Distribution of PP chemicals**

Rate of Assistance	:	PP chemicals @ Rs.500/ ha. or 50% of the cost whichever is less
Source of inputs	:	<b>PP chemicals – Back ended subsidy</b>
Recommendation	:	Maximum of 2 Ha/ farmer
Districts	:	All districts except Chennai and Nilgris.

**ii) Distribution of Weedicides**

Rate of Assistance	:	Weedicides @ Rs.500/ ha. or 50% of the cost whichever is less.
Source of inputs	:	<b>Weedicides – Back ended subsidy</b>
Recommendation	:	Maximum of 2 Ha/ farmer
Districts	:	All districts except Chennai and Nilgris.

**Component: 4. Resource Conservation Technologies/ Tools**

**i) Distribution of Manual Sprayer**

Rate of Assistance	:	Manual Sprayers – @ Rs.600/ No. or 50% of the cost whichever is less.
Source of inputs	:	AED empanelment - Approved manufacturer / Dealers through back Ended subsidy
Districts	:	All districts except Chennai and Nilgris.

**Component: 5. Efficient water application tools**

**i) Pipes carrying water from source to field (PVC pipes)**

Rate of Assistance	:	50 % of the cost limited to Rs.35/meter for PVC pipes with maximum ceiling of Rs. 15,000/ beneficiary.
Source of inputs	:	JDA / ADA will distribute the above components as per AED /TANHODA approved rate contract
Districts	:	All districts except Chennai and Nilgris.

➤ AAOs should get the application forms from the farmers.

- Farmers should be given preference to select the pipes from the AED / TANHODA approved list of firms.
- Eligible subsidy amount should be released to the concerned firm. Documentation after installation of pipes should be submitted. Subsidy should be released only after the verification by JDA/DDA

**GAGANDEEP SINGH BEDI**  
**AGRICULTURAL PRODUCTION COMMISSIONER**  
**AND PRINCIPAL SECRETARY TO GOVERNMENT**

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*(A. Singh)*  
16/11/17  
**SECTION OFFICER**  
*(S)*  
16/11/17.