



ABSTRACT

Agriculture – Special Package for pulses cultivation in the potential districts - Demonstration in an area of 60,000 acres at an outlay of Rs.50.00 Crore – Permission to dovetail funds from Government of India schemes – Orders - Issued.

AGRICULTURE (AP4) DEPARTMENT

திருவள்ளூர் ஆண்டு 2048, கை – 25

G.O.(Ms). No.29

Dated: 07.02.2017

Read:

1. G.O.(Ms.) No.192, Agriculture (AP4) Department, Dated 04.07.2016.
2. G.O.(Ms).No.290, Agriculture (AP4) Department, dated 23.09.2016.
3. G.O.(Ms.)No.338, Agriculture (AP4) Department, Dated 23.11.2016.
4. G.O.(Ms).No.4, Agriculture (AP4) Department, dated 04.01.2017.
5. From the Director of Agriculture, Letter No.G2/135314/2016, Dated 12.01.2017.

ORDER:-

In the Government orders 1 to 4 read above, funds were sanctioned for implementation of various schemes during 2016-2017 as detailed below:-

G.O.No. & date	Name of the Scheme	Amount (Rs. in lakh)
G.O.(Ms).No.192, Dated 04.07.2016	Implementation of National Food Security Mission during 2016-17	4184.00
G.O.(Ms).No.290, Dated 23.09.2016	Implementation of Micro Irrigation under Pradhan Mantri Krishi Sinchayee Yojana during 2016-17	19174.4683
G.O.(Ms).No.338, Dated 23.11.2016	Enhancing pulses production in Delta and Non Delta Districts under National Agricultural Development Programme during 2016-17.	401.360
G.O.(Ms).No.4, Dated 04.01.2017	Additional area coverage for increasing pulses production during Rabi 2016-17 under National Food Security Mission.	600.00

2) In view of drought situation prevailing throughout Tamil Nadu, to encourage the pulses cultivation in the water available areas, the Director of Agriculture in the letter fifth read above has sent proposals to Government to conduct demonstration in an area of 60,000 acres in the potential districts with a financial outlay of Rs.50.00 Crore.

[p.t.o]

3) The Director of Agriculture in his proposal has stated that during 2016, the State recorded overall deficit of 40% rainfall against the normal rainfall of 921 mm. Particularly during North East monsoon period against the normal rainfall of 440 mm (48% of annual rainfall) the state received only 168.3 mm with a deviation of (-) 62% leaving 21 districts large deficient and 11 districts deficient rainfall. Due to deficit rainfall, the State has been declared as drought hit State. The receipt of poor rainfall leads to a shortfall of around 15.58 lakh acres in the total crop coverage and (-) 1.013 lakh acres in pulses when compared to last year.

4) The Director of Agriculture has further stated that the normal area under pulses is hovering around 8.00 lakh ha. Black gram and green gram are the major short duration pulse crops cultivated in Tamil Nadu. In Tamil Nadu, about 20% of pulses crop is cultivated during Kharif and 80% during Rabi season. The major area is under rainfed condition and that too, in marginal lands, the productivity is low in pulses. However, due to the various measures taken by the Government, the pulses production in the State has increased from 2.46 lakh MT in 2010-11 to 7.67 Lakh MT in 2014-15. In the present context of drought, it is felt that the present water table does not encourage the cultivation of water intensive crops such as sugarcane, paddy and other commercial crops in the State. Hence, the Agriculture Department has resolved to promote cultivation of pulses crops wherever sufficient ground water is available through adoption of various technologies including water saving techniques.

5) The Director of Agriculture has also stated that the programme is proposed to be implemented in the following selected districts, where ground water potential is sufficient for cultivation of short duration pulse crops:-

Sl. No	District	District Wise area proposed under Demonstration (in Acres)	Micro Irrigation			
			Raingun (Nos)	Sprinkler (in Nos.)	Total (Nos.)	Max Area expected to be covered (in acres)
1	Kancheepuram	3000	300	500	800	2000
2.	Tiruvallur	5000	500	800	1300	3250
3.	Cuddalore	3750	400	650	1050	2625
4.	Villupuram	6250	600	1050	1650	4125
5.	Vellore	750	70	50	120	300
6.	Tiruvannamalai	3250	300	500	800	2000
7.	Krishnagiri	500	50	75	125	313
8.	Tiruppur	750	75	100	175	438
9.	Trichy	3750	400	600	1000	2500
10	Karur	250	20	40	60	150
11	Pudukottai	750	75	125	200	500
12	Thanjavur	2500	250	450	700	1750
13	Nagapatinam	10500	1000	1750	2750	6875
14	Thiruvarur	16750	1600	3000	4600	11500
15	Theni	500	53	70	123	308
16	Virudhunagar	250	25	40	65	163
17	Thirunelveli	1500	105	200	305	763
	Total	60000	5823	10000	15823	39558

6) The Director of Agriculture has further informed that it is proposed to implement the programme by dovetailing funds from the following schemes in 2016-17:

Demonstration	NFSM - Pulses, NFSM – Additional area coverage under pulses NADP – Enhancing pulses production in delta and non-delta districts.
Micro Irrigation	Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

Components	Unit Cost (Rs.)	Physical	Amount (Rs.in lakh)
Demonstration	Rs.2000/Ac	60,000 acres	1200.00
Micro irrigation			
Distribution of Portable Sprinkler	Rs.19600/-Unit	10000 units	1960.00
Distribution of Raingun	Rs.31600/-Unit	5823 Units	1840.00
Total			5000.00

7) The Director of Agriculture has therefore requested permission for dovetailing funds of Rs.50.00 Crore from National Food Security Mission (NFSM), National Agricultural Development Programme (NADP) and Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) to conduct demonstration in an area of 60,000 acres in the potential districts to encourage the pulses cultivation in the water available areas during 2016-17.

8) The Government, after careful examination of the proposal of the Director of Agriculture, accord permission to dovetail a sum of Rs.50.00 Crore (Rupees Fifty crore only) from the Government of India schemes as detailed below to conduct demonstration in an area of 60,000 acres in the potential districts shown in para 5 above to encourage the pulses cultivation during 2016-17:-

Schemes	Amount dovetailed (Rs. in lakh)	Components	Unit Cost (Rs)	Physical	Amount (Rs.in Lakh)
NFSM-Pulses	268.300	Demonstration	Rs.2,000/Ac	60,000 acres	1200.00
NFSM-Additional area coverage under Pulses	600.000				
NADP-Enhancing Pulses production in Delta and Non delta Districts	331.700				
PMKSY-Micro Irrigation	3800.00	Micro irrigation			
		Distribution of portable Sprinkler	Rs.19600/Unit	10000 units	1960.00
		Distribution of Raingun	Rs.31600/Unit	5823 units	1840.00
Total	5000.00				5000.00

9) The Director of Agriculture is requested to strictly follow the guidelines and the norms prescribed in the Annexure I & II to this order respectively while implementing the scheme.

10) The Director of Agriculture is also requested to submit the progress report incorporating beneficiary-wise information.

11) This order issues with the concurrence of Finance Department vide its U.O.No.5367/Agri/2017, Dated 03.02.2017.

(BY ORDER OF THE GOVERNOR)

GAGANDEEP SINGH BEDI,
Agricultural Production Commissioner and
Principal Secretary to Government.

To

The Director of Agriculture, Chennai-5.

The Director of Horticulture and Plantation Crops, Chennai-5.

The Director of Seed Certification & Organic Certification, Coimbatore-13.

The Registrar, Tamil Nadu Agricultural University, Coimbatore-3.

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 Private Secretary to Agricultural Production Commissioner and Principal Secretary to Government, Agriculture Department, Chennai-9.

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

The Finance (Agri) Department, Chennai-9.

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

The connected file No.1212/AP4/2017.

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/FORWARDED BY ORDER/

J.P. Prabawati
07.02.2017
SECTION OFFICER.
8/2/17

ANNEXURE-I

G.O.(Ms).No.29 , Agriculture (AP4) Department, dated 07.02.2017

OPERATIONAL GUIDELINES

SPECIAL PACKAGE FOR PULSES CULTIVATION IN WATER DEFICIT AREAS

A. Demonstration

1. Selection of Beneficiaries :

1. The Assistant Agricultural Officer will select the beneficiary who is having water potential to cultivate pulses.
2. Selected farmers should have willingness to cultivate pulses crop with water resources.
3. Extract of Chitta Adangal and voter ID card / Ration Card/ Aadhaar card is must.
4. Preference shall be given to SC/ST, SF/MF farmers, Women farmers, in that order for various components of the scheme as per NFSM guidelines. Allocation to SC(19%) / ST(1%) farmers shall be made in proportion to the population in the blocks.
5. Atleast 33% and 30% of the total allocation shall be made for small and marginal farmers and women farmers respectively.
6. All the farmers are entitled to avail the assistance for various components limited to 5 acres.
7. The list prepared shall be verified and approved by the Block Assistant Director of Agriculture.

Subsidy pattern

- Quality Certified Pulses Seeds, Trichoderma Viridi, Liquid Biofertilizers, Pusa Hydrogel will be pre positioned in Agricultural Extension Centres of respective blocks by the Assistant Director of Agriculture concerned and distributed to farmers free of cost.
- Micro nutrients requirement will be met from department production and through back ended subsidy.
- DAP will be purchased from Primary Agricultural Credit Cooperative Societies by Block ADAs and distributed to the farmers for taking up the foliar spray during flowering period. Spraying cost will be provided to farmers as per NFSM guidelines as back ended subsidy.

[p.t.o]

B. Micro Irrigation: (As per PMKSY Guidelines and cost norms)

Beneficiary selection

- Farmer **who is willing to cultivate pulses crop with adequate water sources with pumping system alone** are eligible to avail this subsidy.
- The Assistant Agricultural Officer will identify the beneficiaries who are really in need of Micro irrigation systems such as Raingun and Sprinkler based on the conducive soil and weather condition.
- The block officers will identify the beneficiary based on the eligible criteria and register their application on priority basis.
- Beneficiaries who have already availed Micro Irrigation subsidy in the last ten years are not eligible.
- The farmers are eligible to avail the subsidy for a minimum of one acre to a maximum of 5 acres.

Subsidy pattern

- Fund to SF/MF & other category to be given in the ratio of 60:40.
- Small & Marginal farmers are eligible to avail 100% subsidy and other category farmers can avail 75% subsidy.
- The large volume sprinkler (Raingun) will be distributed at a cost of Rs.31600/ Unit and portable sprinkler at a cost of Rs.19600/ Unit.
- The entire cost for distribution of 10000 units of Portable sprinkler and 5823 units of Raingun will be dovetailed from the PMKSY fund already allotted for agriculture crops during 2016-17.
- Portable Sprinkler with accessories such as HDPE Pipe with Quick release coupler, Sprinkler Nozzle and Plug or Raingun with Tripod stand, Coupler, Screen filter will be distributed.

Procedure for execution and availing subsidy

- After scrutiny of registered online application and estimate, district level officers will issue work order to concerned Micro Irrigation firms which has been selected by the farmer.

[p.t.o]

- The documents such as Chitta, Adangal, field map, lease agreement if any, ration card, SF/MF certificate and proof for farmer's contribution of farmers are necessary.
- The MI Company shall complete the work within 15 days of getting work order.
- Target between portable sprinkler and Raingun may be interchanged.

All other procedures should be followed as directed in the operational guidelines issued by TANHODA under PMKSY.

GAGANDEEP SINGH BEDI,
Agricultural Production Commissioner and
Principal Secretary to Government.

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J.P. Prabavathi
07.02.2017
SECTION OFFICER.
8/2/17

Section Officer.

ANNEXURE-II

G.O.(Ms).No.29, Agriculture (AP4) Department, dated 07.02.17

NORMS FOR IMPLEMENTATION OF DEMONSTRATION AND MICRO IRRIGATION COMPONENTS

A. DEMONSTRATION COMPONENTS

Components	Total Cost (in Rs.)
i. Seeds @ 8 Kg/acre (Rs.120/Kg)	960.00
ii. Trichoderma Viridi @ 1Kg/acre (Rs.140/Kg) for soil application	140.00
iii. Pusa Hydrogel @ 100 gm/acre	180.00
iv. Pulses MN Mixture @ 2kg/acre (Rs.70/kg)	140.00
v. Liquid biofertilizer @ 400 ml/acre (Rhizobium 200 ml + phosphobacteria 200 ml)	120.00
vi. DAP Foliar spray including spraying cost @ 10 Kg/acre for 2 spraying.	460.00
Total cost per demonstration	2000.00
A. Total finance for demonstration in 60,000 acres (Rs.Lakh)	1200.00

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

B. <u>MICRO-IRRIGATION COMPONENTS</u>	
Components	Total Cost (Rs.in lakh)
i. Distribution of Portable sprinkler- Totally 10,000 units @ Rs.19,600/unit (One unit of Portable Sprinkler Irrigation System (with Couplers of 63 / 75 mm) consists of 30 numbers of 6 m long HDPE pipes with Quick Release Coupler, 5 numbers of QRC HDPE Service saddles, 5 numbers of GI Riser Pipes 75 cm long, 5 numbers of Sprinkler Nozzles (1.7 - 2.8 kg/cm ²), one QRC HDPE Bend with Coupler 900, one QRC HDPE pump connecting Nipple, 2 numbers of QRC HDPE End plugs & one QRC HDPE Tee with Coupler)	1960.00
ii. Distribution of Raingun – Totally 5823 units @ Rs.31,600/unit (One unit of Large Volume Sprinkler Irrigation System (Raingun) (with Couplers of 63 / 75 mm) consists of 30 numbers of 6 m long HDPE pipes with Quick Release Coupler, One Raingun 24 mm / 30 mm radius of throw, One Tripod Stand, one QRC HDPE Bend with Coupler 900, one QRC HDPE pump connecting Nipple, One QRC HDPE End plug, one QRC HDPE Tee with Coupler, One Screen Filter 20 / 25 m ³ per hr and One By-Pass Assembly 2")	1840.00
A. Total Subsidy under micro irrigation.	3800.00
Overall subsidy required (A+B)	5000.00

**GAGANDEEP SINGH BEDI,
Agricultural Production Commissioner and
Principal Secretary to Government.**

//True copy//

T.P. Prabavathi
07.02.2017
SECTION OFFICER.
8/12/17