



ABSTRACT

Agriculture – Sanction of Livelihood Package for the Coconut farmers affected by 'Gaja' Cyclone at a cost of Rs.81.015 Crore - Release of funds - Orders – Issued.

Agriculture (H2) Department

G.O(Ms) No. 313

Dated: 31.12.2018

திருவள்ளூர் ஆண்டு 2049
விளம்பி, மார்தழி 16

Read:

1. G.O(Ms) No.241, Agriculture (H1) Department dated 01.10.2018.
2. From the Director of Agriculture, letter No.OPC3/131499/ 2018, dated 13.12.2018.

ORDER:-

"Gaja", a severe cyclonic storm which hit on 16.11.2018 with a wind speed of around 110 km / hour, has inflicted heavy damages to Agricultural and Horticultural crops. Especially Coconut trees have suffered severe damages in Thanjavur, Tiruvarur, Nagapattinam, Pudukkottai, Sivagangai, Trichy, Madurai and Dindigul districts. Nearly an extent of 78,263 ha of Coconut garden comprising nearly 66.68 lakh Coconut trees (converted to 38,103 ha @ 175 coconut trees per hectare) has been damaged as per final estimation received.

2. In the letter second read above, the Director of Agriculture has sent a proposal to Government for extending Livelihood Package for the Coconut farmers affected by Gaja Cyclone as follows:-

1. REPLANTING OF COCONUT SEEDLINGS:-

Replanting has to be taken up in the affected gardens where the fallen trees have been cut and removed. Though around 68 lakh coconut trees were actually damaged, farmers are likely to purchase coconut seedlings from Government and private nurseries for replanting and also go for certain other varieties of trees. Hence, it is proposed to initially take steps for assistance in replanting of new coconut seedlings in an area of about 20,000 ha through Government nurseries which will require 35,00,000 coconut seedlings. Based on further need for coconut seedlings from Government sources, the requirement will be reviewed and further action will be taken after March 2019. Action plan has been charted out for supply of seedlings.

The approximate cost of each coconut seedling will be Rs.50/-. Therefore, a sum of Rs.17.50 crore is required for 35,00,000 coconut seedlings.

Further, the Director of Agriculture has requested the Rural Development and Panchayat Raj Department for pitting and planting of coconut seedlings in the Gaja affected areas under MGNREGS. Orders in this regard will be issued by Rural Development and Panchayat Raj Department separately.

2. STRATEGIES FOR INTERCROPPING:

In Tamil Nadu, Coconut is cultivated vastly by small and marginal farmers and their livelihood is greatly affected due to the Gaja Cyclone. So, their livelihood needs are to be met out till they get economic yield from the newly planted coconut seedlings in the affected area which would nearly take about 4-5 years. Hence, it is proposed to extend assistance for cultivation of short duration crops such as Millets, Pulses and Oilseeds as intercrop to sustain the income of the affected farmers in Thanjavur, Tiruvarur, Nagapattinam, Pudukottai, Sivagangai, Madurai and Trichy districts in the ensuing season as detailed below:-

A. Special Package For Millets

It is programmed to promote Millets like Ragi, Maize and Kudiraivali in an area of 5,000 ha in the affected districts with a financial assistance of Rs.2.70 crore with 100% assistance to farmers.

Crop wise cafeteria of special package for Millets:-

1. A. Cafeteria - Ragi

S. No	Inputs	Qty / ha	Total Cost/ha (in Rs.)
1	Ploughing		1,300.00
2	Cultural operation		1,650.00
3	Seed @ Rs.30/- per kg	10 kg	300.00
4	Liquid / Carrier Bio-fertilizer (Phosphobacteria + Azospirillum)	One litre (500 ml+500 ml)	300.00
5	MN Mixture	12.5 kg	750.00
	Total		4,300.00

Area Proposed : 1,000 ha
Assistance per ha : Rs.4,300/-
Total cost proposed : Rs.0.43 crore

1. B. Cafeteria – Maize:

S. No	Inputs	Qty/ha	Total Cost/ha (in Rs.)
1	Ploughing		1,300.00
2	Seed @ Rs.220/- per kg	20 kg	4,400.00
3	Liquid / Carrier Bio fertilizer (Phosphobacteria + Azospirillum)	One litre (500 ml+500 ml)	300.00
	Total		6,000.00

Area Proposed : 3,000 ha
 Assistance per Ha : Rs.6,000/-
 Total cost proposed : Rs.1.80 crore

1. C. Cafeteria - Kudiraivali

S. No	Inputs	Qty/ ha	Total Cost/ha (in Rs.)
1	Ploughing		1,300.00
2	Cultural operation		1,650.00
3	Seed @ Rs.70/- per kg	10 kg	700.00
4	Liquid / Carrier Bio fertilizer (Phosphobacteria + Azospirillum)	One litre (500 ml+500ml)	300.00
5	MN Mixture	12.5kg	750.00
	Total		4,700.00

Area Proposed : 1,000 ha
 Assistance per ha : Rs.4,700/-
 Total cost proposed : Rs.0.47 crore

Total Financial outlay for Millets (with 100% assistance):

S. No	Crop	Assistance (Rs/ha)	Physical (ha)	Finance (Rs. in crore)
1.A	Ragi	4,300/-	1,000	0.430
1.B	Maize	6,000/-	3,000	1.800
1.C	Kudiraivali	4,700/-	1,000	0.470
	Total Millets		5,000	2.700

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

B. Special package for cultivation of pulses:

It is proposed to provide the special package for pulses with 100% assistance in an area of 38,000 ha with a financial assistance of Rs.15.20 crore.

Cafeteria for Pulses (Black gram/ Green gram) (100% assistance)

S. No	Inputs	Qty / ha	Total Cost/ha (in Rs.)
1	Assistance for Ploughing		1,300.00
2	Distribution of Certified Seeds @ Rs.85/- per kg	20 kg	1,700.00
3	Liquid / Carrier Bio fertilizer (Phosphobacteria + Rhizobium)	One litre (500 ml+500ml)	300.00
4	Foliar spray of nutrients		700.00
	Total		4,000.00

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

Total Financial outlay for Pulses Special package :

Components	Subsidy rate per ha	Physical (ha)	Finance (Rs.in crore)
Assistance for Ploughing	Rs.1,300/-	38,000	4.940
Distribution of Certified Seeds @ Rs.85/- per Kg	Rs.1,700/-		6.460
Liquid / Carrier Bio fertilizer (Phosphobacteria + Rhizobium)	Rs.300/-		1.140
Foliar spray of nutrients	Rs.700/-		2.660
Total	Rs.4,000/-	38,000	15.200

C. Special package for oilseeds:

It is proposed to promote Gingelly in an area of 7,000 ha @ 100 percent subsidy with a financial assistance of Rs.2.10 crore.

Cafeteria for Gingelly

S. No	Inputs	Qty/ha	Total Cost/ha (in Rs.)
1	Assistance for Ploughing		1,300.00
2	Distribution of Certified Seed @ Rs.140/- per kg	5 kg	700.00
3	Liquid / Carrier Bio fertilizer (Phosphobacteria + Azospirillum)	One litre (500 ml+500ml)	300.00
4	Assistance for thinning operation		700.00
	Total		3,000.00

Area Proposed : 7,000 ha
 Assistance per ha : Rs.3,000/ha
 Total cost proposed : Rs.2.10 Crore

Proposed outlay for Oilseeds :

S. No	Components	Subsidy Rate per ha	Physical (ha)	Finance (Rs.in crore)
1	Assistance for Ploughing	Rs.1300/-	7,000	0.910
2	Seed @ Rs.140/- per kg	Rs.700/-		0.490
3	Liquid / Carrier Bio fertilizer (Phosphobacteria + Azospirillum)	Rs.300/-		0.210
4	Assistance for thinning operation	Rs.700/-		0.490
	Total	Rs.3000/-	7,000	2.100

ABSTRACT FOR INTERCROPPING

S. No	Crop	Assistance (Rs/ha)	Physical (ha)	Finance (Rs.in crore)
1	Millets			
1.A	Ragi	4300/-	1,000	0.430
1.B	Maize	6000/-	3,000	1.800
1.C	Kudiraivali	4700/-	1,000	0.470
	Total Millets		5,000	2.700
2.	Pulses (Black gram/ Green gram)	4000/ -	38,000	15.200
3.	Oilseeds (Gingelly)	3000/-	7,000	2.100
	Grand Total for Intercropping		50,000	20.000

3. He has further informed that more than 90% of the affected area falls in delta districts wherein ADT 3, ADT 5 of Black gram and ADT 5 of Green gram are the popular pulses varieties which grow well utilizing the residual moisture as well as show good resistance to Yellow Mosaic Virus (YMV) in these areas. Likewise, TMV3 and TMV 4 are the farmers preferred Gingelly varieties suitable to these tracts and hence, Government of India has been addressed to relax the norms of utilizing less than 10 years old varieties and permit to use any varieties of Millets, pulses and Gingelly (Sesame) as a special case to save the livelihood of Gaja cyclone affected farmers.

3. PROVISION OF DRIP IRRIGATION SYSTEM IN COCONUT GARDEN AFFECTED BY GAJA CYCLONE

Total Project Cost : Rs.43.515 crore

In the State of Tamil Nadu, Coconut is cultivated predominantly by small and marginal farmers and their livelihood has been greatly affected. In order to ensure good development of plants, PMKSY Micro irrigation – “Per Drop More Crop” scheme could be better utilized. Hence, creating awareness and educating the farmers to increase yield by effective utilization of water is the need of the hour.

The water requirement of Coconut under conventional method is 200-300 litres per day whereas under drip irrigation system the requirement is only 75-100 litres per day thereby saving 45% of water. Moreover, the yield increase is reported to be 30% under drip system.

As most of the Coconut gardens are to be re-established, it is the right time to encourage and bring more farmers under drip irrigation for Coconut which will benefit the farmers to efficiently utilize water & fertilizer efficiently and check weed growth resulting in increased yield thus improving the economic status of the farmer.

Hence it is proposed to cover 15,000 Ha at the cost of Rs.43.515 Crore as follows:-

Sl. No.	District	Area (ha)	Finance (Rs. in crore)
1	Thanjavur	13,000	37.7130
2	Pudukottai	1,000	2.9010
3	Nagapattinam	500	1.4505
4	Thiruvarur	500	1.4505
	Total	15,000	43.5150

Cost estimate:

Spacing proposed for Coconut	-	8 x 8 m
Revised cost of MI system based on input tax credit	-	Rs.24,795/-
12 % GST	-	Rs.2,975/-
5 % Fitting and Laying charges	-	Rs.1,240/-
Total cost per ha	-	Rs.29,010/-

Financial Assistance for drip irrigation system

Sl. No	Component	Unit Cost Rs per ha	Amount (Rs. in crore)
	Under PMKSY - MI		
1	Provision of drip to SF/MF @ Rs.29,010/- inclusive of 12 % GST and 5% Fitting & Laying charges for 10,000 farmers with 100 % subsidy	29, 010/- (100%)	43.5150
Total			43.5150

Target Beneficiaries:

- Small and Marginal farmers of Gaja affected Coconut garden.
- 100 % assistance will be extended for installing drip (absorbing GST and including fitting and laying charges)

Hand holding support:

- Preference will be given for Supplementary Water Management Activities namely pipes for carrying water, pumping devices under PMKSY - Other Interventions.
- Priority will be given for trench cutting through Custom Hiring Centers maintained by Agricultural Engineering Department.

4. The Director of Agriculture has requested the Government Orders to implement the above project at the total cost of Rs.81.015 crore from the funds to be received from the Government of India for the cost of Coconut seedlings and the intercropping and from dovetailing the funds sanctioned for micro irrigation under PMKSY during 2018-19. Component wise details are as follows.

SI No	Component	Amount (Rs. in crore)
1	Cost of Coconut Seedlings	Rs.17.500
2	Intercropping	Rs.20.000
3	Drip Irrigation	Rs.43.515
	TOTAL	Rs.81.015

5. The Government have examined the proposal of the Director of Agriculture and decided to accept the same. Accordingly, the Government sanction a Livelihood package to the coconut farmers affected by the Gaja cyclone at the cost of Rs.81.015 crore by extending assistance for production of coconut seedlings, intercropping and for drip irrigation with 100 % assistance as given below.

SI No	Component	Amount (Rs in crore)
1	Coconut Seedlings	Rs.17.500
2	Intercropping	Rs.20.000
3	Drip Irrigation	Rs.43.515
	TOTAL	Rs.81.015

6. The Government accord financial sanction for a sum of Rs.37.50 crore (Rupees Thirty seven crore and fifty lakh only) (Rs.17.50 crore for production of 35 lakh coconut seedlings @ Rs.50/- each and Rs.20.00 crore for intercropping). The above funds shall be met as detailed below:-

Sl. No.	Component	Total Cost (Rs. in Crores)
1.	Coconut Seedlings National Agriculture Development Programme (NADP) – Rs.8.75 crore State funds – Rs.8.75 crore	17.50
2.	Intercropping National Agriculture Development Programme/ National Food Security Mission (NFSM) – Rs.10 crore State funds – Rs.10 crore	20.00

7. The Government direct that the entire fund of Rs.37.50 Crores shall initially be met from the State Exchequer pending sanction of funds under NADP / NFSM in normal or additional allocation.

8. The Government also direct the Director of Agriculture to provide Drip Irrigation to the Coconut gardens affected by the Gaja cyclone in an area of 15,000 hectare as proposed at a cost of Rs.43.515 crore from the existing PMKSY – Micro Irrigation funds sanctioned in G.O first read above. The Director of Horticulture and Plantation Crops is requested to release the above funds to Director of Agriculture.

9. The above proposals shall be placed before the ensuing SLSC for approval of the respective schemes.

10. The amount sanctioned in para 6 shall be debited to the following head of account.

“2401-Crop Husbandry – 800 – other Expenditure – Schemes shared between State and Centre - UF – National Agriculture Development Programme (NADP-RKVY) – Agriculture Department – 6900 Procurement of Agricultural inputs.”

(DPC 2401- 00-800 – UF – 6901)

11. Necessary additional funds of Rs.3750.00 lakhs will be provided in Revised Estimate/Final Modified Appropriation 2018-19 under the relevant head of account. Pending provision of such funds the Director of Agriculture is permitted to draw and disburse the amount sanctioned in para 6 above. However, the expenditure shall be brought to the notice of the Legislature by specific inclusion in the Supplementary Estimate 2018-19. The Director of Agriculture is directed to include this expenditure while sending the proposal of RE/FMA 2018-19 and also to send necessary draft explanatory notes for including the above expenditure in the Supplementary Estimates 2018-19 to Government in Finance (BG-I/Agri) Department at the appropriate time without fail.

12. This order issues with the concurrence of Finance Department vide its U.O. No.67114/Agri/2018, dated 31.12.2018 with Additional Sanction Ledger No. 2392 (Two thousand three hundred and ninety two).

(BY ORDER OF THE GOVERNOR)

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

To

The Director of Agriculture, Chepauk, Chennai-5.

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

The Executive Director, Tamil Nadu Watershed Development Agency, Chennai -32.

The Principal Accountant General(G&SSA) /(E&RSA)/AAD/FSA Cell/ Audit-I/II),
No. 361, Anna Salai, Teynampet, Chennai-18.

The Residential Audit Officer, O/o Principal Accountant General

(General and Social Sector Audit), Tamil Nadu Secretariat, Chennai-9.

The Pay and Accounts Officer (East) Chennai-8

The Treasury Officers of Thanjavur, Tiruvarur, Nagapattinam, Pudukkottai, Sivagangai, Trichy, Madurai and Dindigul Districts.

Copy to

The Finance (Agriculture /BGI/BGII) Department, Chennai-9.

Office of the Hon'ble Chief Minister, Chennai -9.

Office of the Hon'ble Deputy Chief Minister, Chennai -9.

The Special PA to Hon'ble Minister for Agriculture, Chennai -9.

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

The Agriculture (OPIII) Department, Secretariat, Chennai-9.

The Assistant Programmer, Agriculture Department, Chennai - 9.

Connected File No.30346/H2/2018

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//Forwarded by order//

S. Senthil Kumar
31.12.2018
Section Officer.