



ABSTRACT

Agriculture and Farmers Welfare - Administrative Approval and Financial Sanction for a sum of Rs.7.246 Crore for implementation of "Sustainable Cotton Cultivation Mission" for the year 2022-23 – Orders – Issued.

AGRICULTURE AND FARMERS WELFARE (AP4) DEPARTMENT

G.O. (Ms) No.153

Dated: 15.07.2022

சுபகிருது வருடம் ஆணி 31
திருவள்ளூர் ஆண்டு, 2053

Read:

1. G.O. (Ms) No.188, Agriculture and Farmers Welfare (AP4) Department, dated 16.11.2021.
2. Agriculture Budget Speech Announcement for the year 2022 – 2023.
3. From the Director of Agriculture Letter No.CDC2/40488/2022, dated 29.03.2022.

ORDER:

In the Government Order first read above, orders were issued to accord Administrative and Financial Sanction for an amount of Rs.11.00 crore for the year 2021-2022 for implementation of Sustainable Cotton Cultivation Mission.

2. The Hon'ble Minister of Agriculture and Farmers Welfare during his presentation of Tamil Nadu Agriculture Budget 2022-23 in the Tamil Nadu Legislative Assembly on 19.03.2022, made the following announcement in para 8:-

"As per the quote "பன்னல்வேலி இப்பணை நல்ஊரே" in "புறநானூறு" (*Puranaanooru*), Sangam poets praised the villages that were surrounded by Cotton fields.

The "Sustainable Cotton Cultivation Mission" will be implemented at an outlay of Rs.15.32 crore with Union and State Government fund, for enhancing the Cotton yield during 2022-23. Cultivation of organic cotton will also be encouraged."

3. As per the above announcement, the Director of Agriculture, in the letter third read above, has furnished the detailed proposal to Government to increase Cotton Area and Productivity in Tamil Nadu and has programmed to implement Sustainable Cotton Cultivation Mission during 2022-2023 with a special focus on Integrated Approaches for Cotton Cultivation with a financial allocation of Rs. 11.00 crore.

4. The Director of Agriculture has furnished the Component wise fund requirements for implementation of Sustainable Cotton Cultivation Mission for the year 2022-2023 as follows:-

ABSTRACT OF SUSTAINABLE COTTON CULTIVATION MISSION 2022-23

Sl. No.	Interventions	Unit	Proposed Rate of Assistance	Proposed Target	
				Phy	Fin (Rs. In Lakh)
1	High Density Planting System	Ha	Rs. 10000/Ha	1,400	140.00
2	Distribution of Integrated Nutrient Management Kits. a. Cotton Micronutrient mixture @ 12.5 Kg/Ha with 50% subsidy limited to Rs. 600/- per Ha. b. Liquid Biofertilizers @ 500 ml of Azospirillum and Phosphobacteria each with 50% subsidy limited to Rs. 150/- per Ha. c. Magnesium Sulphate @ 3 Kg/Ha including spraying cost with 50% subsidy limited to Rs. 700/- per Ha.	Ha	50% of sale price or Rs. 1450/- per Ha, whichever is less	30,000	435.00

Sl. No.	Interventions	Unit	Proposed Rate of Assistance	Proposed Target	
				Phy	Fin (Rs. In Lakh)
3	Distribution of Battery operated sprayer	Nos.	50% Subsidy or Rs. 2000/No.	4000	80.00
4	Agro-EcoSystem Analysis (AESA) based Cotton Health Management	Ha	Rs.8000/- per Ha	5000	400.00
5	Hiring charges for Drone Application of Pesticides	Ha	Rs. 1250/- per Ha or 50% subsidy as back-ended subsidy	2,000	25.00
6	Contingency charges				20.00
	TOTAL				1,100.00

5. The Director of Agriculture has proposed to implement the Sustainable Cotton Cultivation Mission (SCCM) in the Major cotton growing 29 Districts such as Cuddalore, Villupuram, Kallakurichi, Tirupathur, Tiruvannamalai, Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Erode, Karur, Tiruchirapalli, Perambalur, Ariyalur, Thanjavur, Thiruvarur, Nagapattinam, Mayiladuthurai, Madurai, Theni, Dindigul, Ramanathapuram, Virudhunagar, Sivagangai, Tirunelveli, Tenkasi and Thoothukudi.

6. The Director of Agriculture has, therefore, requested the Government to accord Administrative approval and Financial sanction for an amount of Rs.11.00 crore for the year 2022-2023 for implementation of the Sustainable Cotton Cultivation Mission and to grant permission to utilize the savings in any of the proposed component by diverting to some other needy components in order to utilize the State Fund effectively.

7. The Government, after careful examination of the proposal of the Director of Agriculture hereby accord Administrative approval and Financial sanction for an amount of Rs.7,24,60,000/- (Rupees Seven Crore Twenty Four Lakh and Sixty Thousand only) for implementation of

the Sustainable Cotton Cultivation Mission for the year 2022-2023 in Tamil Nadu with the following components:-

ABSTRACT OF SUSTAINABLE COTTON CULTIVATION MISSION 2022-23

Sl. No.	Interventions	Subsidy	Approved Target	
			Physical (Hectare)	Finance (Rs. In Lakh)
1	High Density Planting System	Rs. 4,900/- per Ha	1,400	68.60
2	Distribution of Integrated Nutrient Management Kits.	50% or Rs. 1,400/- per Ha, whichever is less	30,000	420.00
3	Agro-Eco System Analysis (AESAs) based Cotton Health Management	Rs.4,200/- per Ha	5,000	210.00
4	Hiring charges for Drone Application of Pesticides	50% subsidy or Rs. 1250/- per Ha, whichever is less	2,000	25.00
5	Contingency charges			1.00
	TOTAL			724.60

8. The expenditure sanctioned in para 7 above shall be debited to the following head of account:-

2401-00-Crop Husbandry-108 Commercial Crops – State's Expenditure – KZ Tamil Nadu Cotton Cultivation Mission – 309 Grants –in –Aid-03 Grants for Specific Schemes”
(IFHRMS DPC: 2401 00 108 KZ 30903 – Rs.724.60 Lakh)

9. Necessary additional funds of Rs.7,24,59,000/- will be provided in Revised Estimate/Final Modified Appropriation 2022-2023 Pending provision of such funds the Director of Agriculture is authorized to draw and disburse the amount sanctioned in para.7 above. However, the expenditure shall be brought to the notice of the Legislative Assembly by Specific Inclusion in the Supplementary Estimate 2022-2023.

The Director of Agriculture is directed to include this expenditure while sending the Budget proposal for Revised Estimate / Final Modified Appropriation 2022-2023 and also to send necessary draft explanatory notes for including the above expenditure in the Supplementary Estimates 2022-2023 to Government in Finance (BG-1/Agri & F.W.) Department at the appropriate time without fail.

10. The Director of Agriculture is also permitted to utilize the savings in any of the proposed component by diverting to some other needy components in order to utilize the State Fund effectively.

11. The Government directs the Director of Agriculture to strictly follow the detailed Operational Guidelines annexed with this order, while implementing various components under Sustainable Cotton Cultivation Mission for the year 2022-2023.

12. This order issues with the concurrence of Finance Department vide its U.O. No.34527/ Fin (Agri & FW)/ 2022, dated: 14.07.2022 and ASL No. 0691 (Six hundred and ninety one) (IFHRMS ASL No 2022070691)

(BY ORDER OF THE GOVERNOR)

**C. SAMAYAMOORTHY
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT**

To

The Director of Agriculture, Chennai-5.
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 Special Personal Assistant to Hon'ble Minister (Agriculture and Farmers Welfare), Chennai-9.
The Private Secretary to Agricultural Production Commissioner and

Secretary to Government, Agriculture and Farmers Welfare
Department, Chennai-9.
The Finance (Agri&FW/BG I/ BG II /W.M.I) Department, Chennai-9.
The Planning, Development and Special Initiatives Department,
Chennai-9.
The Agriculture and Farmers Welfare (OP3) Department,
Chennai- 9. (2 Copies)
The Assistant Programmer, Agriculture and Farmers Welfare Department,
Chennai -9.
Stock files and Spare copies.

/FORWARDED BY ORDER/

T. V. Murali
15/02/22
SECTION OFFICER

LM-4

AnnexureG.O. (Ms) No. 153, Agriculture and Farmers Welfare (AP4)Department, Dated: 15.07.2022Sustainable Cotton Cultivation Mission (SCCM)Operational Guidelines for the year 2022-23**A. Budget allocation: Rs. 724.60 Lakhs****B. Implementing Department / Agencies:** Department of Agriculture.**C. Districts covered by Department (29 Districts):**

Cuddalore, Villupuram, Kallakurichi, Tirupathur, Tiruvannamalai, Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Erode, Karur, Tiruchirapalli, Perambalur, Ariyalur, Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai, Madurai, Theni, Dindigul, Ramanathapuram, Virudhunagar, Sivagangai, Tenkasi, Tirunelveli and Thoothukudi.

D. Components and subsidy pattern:

Sl. No.	Interventions	Subsidy	Approved Target	
			Physical (Hectare)	Finance (Rs. In Lakh)
1	High Density Planting System	Rs. 4,900/- per Ha	1,400	68.60
2	Distribution of Integrated Nutrient Management Kits.	50% or Rs. 1,400/- per Ha, whichever is less	30,000	420.00
3	Agro-Eco System Analysis (AESA) based Cotton Health Management	Rs.4,200/- per Ha	5,000	210.00
4	Hiring charges for Drone Application of Pesticides	50% subsidy or Rs. 1250/- per Ha, whichever is less	2,000	25.00
5	Contingency charges			1.00
	TOTAL			724.60

E. General guidelines for Selection of Beneficiaries

- The district JDAs should give wide publicity about this scheme through Press/AIR/District Information Unit at Collectorate.
- The Assistant Agricultural Officer should identify the farmers who are willing to avail the benefit extended under the scheme and obtain application along with FCMS number/Aadhaar card number/Mobile/Telephone number.
- Scheme benefit should be extended to farmers based on entry made in the Priority register/Uzhavan App on "first-cum-first-served" basis.
- For Departmental inputs, District JDA/DDA(SS&GOI)/ADA(QC)/Block ADAs should assess the quantity of inputs required and place indent to the concerned production units.
- The JDAs, DDAs and ADAs should take necessary steps to preposition the needy inputs in the AECs concerned well before the commencement of cotton sowing season, verify the quality and distribute to the farmers in time.
- The receipt of stock should be verified by the Assistant Director of Agriculture/AO/Deputy AO.
- For all agricultural inputs, proper online billing should be done in the Agricultural Extension Centre and record of the transaction should be maintained.
- All the farmers are entitled to avail assistance for various components of the mission up to 2 ha.
- Preference should be given to SF/MF and women farmers for various components of the package and at least 20% of the benefit should go to SC/ST and 33% to Small and Marginal farmers and 30% to women farmers.
- For availing back-ended subsidy by the farmers, the AAOs should enclose Photostat copy of bank passbook duly verifying the name, account number of the farmer along with IFSC code/MICR code for ECS payment along with application form.
- AAOs, after ensuring that the component has been taken up by the farmer, would recommend the application to the ADA through AO/Deputy AO for settlement of subsidy.
- To ensure proper implementation, the AOs /Dy.AOs/block ADAs/District level DDAs and JDA should verify the beneficiaries as per the norms in existence.

- Zonal officers from Headquarters should also randomly visit the beneficiaries and demonstration plots and ensure proper implementation of the scheme.
- The following registers should be maintained in the scheme implementing block AECs viz., Priority registers, Beneficiary registers, subsidy registers, and Demonstration registers.

1. High Density Planting System (HDPS)

- **Rate of Assistance :Rs. 4900/Ha**
- Should be arranged in clusters of at least 10 Ha. For each farmer, at least one acre shall be included in a demonstration. Maximum of 2 Ha per farmer
- **Variety:** Varieties as recommended by TNAU and Central Institute of Cotton Research.
- Seed indent shall be placed with TNAU, NSC or SIMA-CDRA by the concerned districts, if it is not procured in AECs through seed farms.
- A spacing of 60 x 10 cm should be adopted for Rainfed area. Under irrigated condition, for deep soil 90 x 10 cm spacing and for shallow soil, spacing of 75 x 10 cm should be adopted.
- While organizing HDPS, participation of Scientists from Cotton Research Stations/Agricultural Research Stations of TNAU/KVKs shall be ensured for critical observations and prescribing solutions for problems.
- An amount of Rs 1,000/- per ha shall be utilized for organizing Field Day with distribution of Publicity Material, Photo Documentation and Visit of Scientists/GOI and State officials during the cropping period and should be settled to the person incurring the expenditure on production of appropriate vouchers/documentation.
- Display board containing all the information about demonstration should be installed at the demonstration plot.
- **Documents required:** Farmer Application with Date of Sowing, Chitta/Adangal, Vouchers of Inputs and Photo of demonstration plots.

Cost Norms per Hectare for HDPS

S. No	Interventions	Qty/ha	Allocation Rs./per Ha
1	Cotton Seed (Varieties as per TNAU) 10 Kg for delinted seeds/Ha (or) 15 -20 kg for fuzzy seeds/Ha (ELS cotton seed cost Rs.268/- per kg as per TANSEDA)	10 kg (or) 15-20 Kg	2800
2	Cotton Micro Nutrient Mixture	12.5Kg	1,100
3	Contingencies, POL, Field day, documentation etc.,		1,000
	Total cost norm for One ha.		4,900
Any variation in the input cost may be adjusted in the total cost.			

2. Distribution of Integrated Nutrient Management Kits

- **Rate of Assistance: Rs. 1400/- per ha** or 50% subsidy of total cost per Hectare, whichever is less, as detailed below.

Cost Norms per Hectare

S. No	Interventions	Qty/ha	Full Cost Rs./ Ha	50% Subsidy (Rs.)	Source of Input
1	Cotton Micro nutrient mixture	12.5 Kg	1,200	600	AEC
2	Liquid Biofertilizers				
	i. Azospirillum-	500 ml	150	75	AEC
	ii. Phosphobacteria	500 ml	150	75	AEC
3.	Magnesium Sulphate Spraying Cost		1,300	650	Back-ended
	Total cost norm for One ha.		2,800	1,400	
Any variation in the input cost may be adjusted in the total cost.					

- Foliar application of 0.5% Magnesium Sulphate at 45 and 75 days (3 Kg/Ha for two sprays) after sowing is recommended for leaf reddening in Cotton.
- Spraying cost should be incurred by farmers at his own cost. Upon production of voucher, back-ended subsidy should be disbursed to farmer for spraying cost.
- The subsidy amount of inputs should be directly adjusted in the concerned receipt head of account.
- **Documents required:** Farmer Application with Date of Sowing and Vouchers of Inputs along with spraying cost and photographs for spraying.

3. Agro-Eco System Analysis (AESA) based Cotton Health Management

- **Rate of assistance:** Rs. 4,200/- per Hectare.
- For each farmer, at least one acre shall be included in a demonstration. Maximum of 2 Ha per farmer.
- The demonstration should be conducted in a contiguous cluster of 10 hectares.
- The participation of Scientists from TNAU/KVKs shall be ensured for critical observations and solutions for problems.

Cafeteria of Interventions undertaken under Agro-Eco System Analysis (AESA) based Cotton Health Management

S. No.	Interventions	Allocation Rs./Ha	Source of Input
1.	Bund cropping with Pulses or millets or castor @ 3 Kg/Ha.	300	AEC
2.	Seed Treatment and Soil Application of Trichoderma viride @ 3 Kg/Ha	400	AEC
3.	Nuclear Polyhedrosis Virus @ 500 ml per Hectare	400	AEC
4.	Topping charges	1,000	Back-ended
5.	Trichogramma Cards 5-8 cards/ha/release for three releases with laying of bird perches	1,100	Trichogramma parasitoids at AEC & Back-ended for laying of bird perches
6.	Contingencies, POL, Field day, Publicity materials, documentation etc.,	1,000	
	Total cost norm for One ha.	4,200	
	Any variation in the input cost may be adjusted in the total cost		

- The subsidy amount of inputs should be directly adjusted in the concerned receipt head of account.
- Topping charges and laying of bird perches should be incurred by farmers at his own cost. Upon production of voucher, back-ended subsidy should be disbursed to farmer.
- An amount of Rs 1000/- per ha shall be utilized for organizing Field Day with distribution of Publicity Material, Photo Documentation and Visit of Scientists/GOI and State officials during the cropping period and should be settled to the person incurring the expenditure on production of appropriate vouchers/documentation.
- Display board containing all the information about demonstration should be installed at the demonstration plot.
- **Documents required:** Farmer Application with Date of Sowing, Chitta/Adangal, Vouchers of Inputs and labour charges, and Photo of demonstration plots.

4. Hiring charges for Drone Application of Pesticides

- **Rate of Assistance:** 50% or Rs. 1250/- per Ha, whichever is less.

Cost Norms per Hectare

S. No	Interventions	Full Cost Rs./ Ha
1	Drone Hiring charges including plant protection chemical	2200
2	Labour cost for spraying	300
	Total cost norm for One ha.	2500
	50% Subsidy as back-ended	1250

- Drones should be hired from Tamil Nadu Drone Corporation or through Registered firms or registered drones under Tamil Nadu Drone Corporation/TNAU/ Agricultural Engineering Department/FPO/FPC.
- Drone Hiring charges including plant protection chemical and Labour cost for spraying should be incurred by farmers at their own cost.
- Upon production of appropriate vouchers along with photo documentation, subsidy should be disbursed to farmers as back-ended subsidy.

- **Documents required:** Farmer Application with Date of Sowing, Vouchers of Hiring charges, Inputs, and labour cost and Photo documentation.

5. Publicity and other contingencies: The expenditure should be incurred towards the cost of advertisement in the Newspaper, digital media, radio messages for the publicity, and Stationeries.

**C.SAMAYAMOORTHY
AGRICULTURE PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT**

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G.V. Muna
15/07/22
SECTION OFFICER
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