



ABSTRACT

Agriculture and Farmers Welfare - Administrative Approval for Food and Commercial Crops for a sum of Rs.5402.438 lakh and Financial sanction for a sum of Rs.1200.616 lakh under Implementation of National Food Security Mission - Rice, Pulses, Coarse Cereals and Nutri Cereals, Targeting Rice Fallow Area - Pulses and Commercial Crops during the year 2021-22 - Orders - Issued.

AGRICULTURE AND FARMERS WELFARE (AP4) DEPARTMENT

G.O. (Ms) No.184

Dated: 15.11.2021

பிலை வருடம், ஜப்பசி 29

திருவள்ளூர் ஆண்டு, 2052

Read:

1. From the Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Crops Division, Krishi Bhawan, New Delhi Letter F.No.2-26/2021-NFSM, Dated: 09.06.2021.
2. From the Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Crops Division, Krishi Bhawan, New Delhi Letter F.No.2-16/2020-CU-IV Dated: 14.06.2021.
3. From the Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Crops Division, Krishi Bhawan, New Delhi Letter F.No.20-31/2017-NFSM-(CA-V) Dated 02.09.2021 (3 letters)
4. From the Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Crops Division, Krishi Bhawan, New Delhi Letter F.No.2-16/2020-CU-IV Dated: 02.09.2021(3 letters)
5. G.O. (D).No.102 Agriculture and Farmers Welfare (AP1) Department dated:18.06.2021.
6. From the Director of Agriculture Letter No.GOI-2/48618/21, dated 22.09.2021, 30.09.2021 and 25.10.2021

ORDER:

In the letter first read above, Government of India have conveyed the approval for the Annual Action Plan for implementation of National Food

Security Mission (NFSM) - Food grain crops during 2021-2022 for an outlay of Rs.5277.438 lakh (Government of India share Rs.3166.463 lakh + State Share Rs. 2110.975 lakh) comprising NFSM - Rice at Rs.751.000 lakh, NFSM - Pulses at Rs.2765.000 lakh, NFSM - Coarse Cereals at Rs. 249.000 lakh, NFSM - Nutri cereals at Rs. 1209.438 lakh and Targeting Rice Fallow Areas (TRFA) Pulses at Rs.303.000 lakh in the sharing pattern of 60:40 between Centre and State.

2. In the Government of India letter third read above, the GOI has released the first installment for a sum of Rs.7,91,62,000/- (Rupees Seven Crore Ninety One Lakh and Sixty two Thousand only). The Category-wise, component wise details (General, SC, ST) are as follows:-

(Rs. in lakhs)

Sl. No.	Component	General	SC	ST	Total
1	NFSM-Rice	90.12	21.40	1.13	112.65
2	NFSM-Pulses	331.80	78.80	4.15	414.75
3	NFSM-Coarse Cereals	29.88	7.10	0.37	37.35
4	NFSM-Nutri Cereals	145.14	34.47	1.81	181.42
5	NFSM-TRFA-Pulses	36.36	8.64	0.45	45.45
	Total	633.30	150.41	7.91	791.62

3. In the Government of India letter second read above, the Government of India has given approval for Annual Action Plan for implementation of National Food Security Mission-Commercial Crops for a sum of Rs.125.000 lakh (GOI share Rs.75.000 lakh + State Share Rs.50.000 lakh) comprising NFSM - Cotton Rs.83 lakhs and NFSM - Sugarcane at Rs.42 lakh for the year 2021-22, in the sharing pattern of 60:40 between Centre and State.

4. In the Government of India letter fourth read above, the GOI has released the first installment for a sum of Rs.18,75,000/- (Rupees Eighteen Lakh and Seventy Five Thousand only) under NFSM-Commercial Crops (i.e., Cotton and Sugarcane). The Category-wise, component wise details (General, SC, ST) are as follows:-

(Rs. in lakhs)

Sl. No.	Component	General	SC	ST	Total
1	NFSM-CC-Cotton	10.00	2.38	0.12	12.50
2	NFSM-CC-Sugarcane	5.00	1.19	0.06	6.25
	Total	15.00	3.57	0.18	18.75

5. In the Government order fifth read above, orders have issued for implementation of Kuruvai package in Delta districts for an amount of Rs.61.0925 crores. Of which a sum of Rs.150.000 lakh has been dove-tailed from NFSM-Rice. Hence, an amount of Rs.150.000 lakh (Government of India share Rs.90.000 lakh and State share Rs.60.000 lakh) is adjusted to State Government from 1st installment release under NFSM Rice. After deducting the Kuruvai package fund, the Director of Agriculture has requested the financial sanction for a sum of Rs.37.750 lakh. (Rs.187.750 lakh – Rs.150.000 lakh). The details are as given below:-

Sl.No	Scheme	First Installment after adjusting Kuruvai scheme.		
		GOI Share	State share	Total
1	NFSM Rice	22.650	15.100	37.750

6. In the Director of Agriculture letter sixth read above, he has described that the Annual Action Plan approved by the GOI for implementation of National Food Security Mission (NFSM)-Rice, Pulses, Coarse Cereals and Nutri Cereals, TRFA Pulses and Commercial Crops for the year 2021-22. The details are as follows:-

Crops	Annual Action Plan approved by Government of India (Rs in lakh)		
	GOI Share	State Share	Total
NFSM – Rice	450.600	300.400	751.000
NFSM – Pulses	1659.000	1106.000	2765.000
NFSM – Coarse Cereals	149.400	99.600	249.000
NFSM – Nutri-Cereals	725.663	483.775	1209.438
NFSM –TRFA Pulses	181.800	121.200	303.000
Sub Total-NFSM Food Grain Crops	3166.463	2110.975	5277.438
NFSM – Cotton	50.000	33.000	83.000
NFSM – Sugarcane	25.000	17.000	42.000
NFSM Commercial crops	75.000	50.000	125.000
Grand Total	3241.463	2160.975	5402.438

7. The Director of Agriculture has also described the category-wise fund released by Government of India and matching State share for first installment (Central Share + State Share) under NFSM-Rice, NFSM-Pulses, NFSM-Coarse Cereals, NFSM-Nutri Cereals, TRFA Pulses, NFSM Cotton and NFSM Sugarcane for the year 2021-2022.

Sl. No	Component	Financial Sanction proposed for 1st Installment (Rs in lakh)		
		GOI Share (60%)	State Share (40%)	Total
1	NFSM-Rice	112.650	75.100	187.75
2	NFSM-Pulses	414.750	276.500	691.25
3	NFSM-Coarse Cereals	37.350	24.900	62.25
4	NFSM-Nutri Cereals	181.420	120.947	302.367
5	TRFA Pulses	45.450	30.300	75.75
	Sub Total-NFSM Food grain crops	791.620	527.747	1319.367
6	NFSM Cotton	12.500	8.333	20.833
7	NFSM Sugarcane	6.250	4.166	10.416
	Sub Total NFSM Commercial crops	18.750	12.499	31.249
	Grand Total	810.370	540.246	1350.616

8. The Director of Agriculture has recommended that the category wise and crop-wise details of funds, to be released for first installment (Central Share + State Share) after deducting the Kuruvai package funds (as explained at para fifth above). The details are given below:-

S. No	Intervention	Share	Category wise release of Funds proposed for release during 2021 - 2022 (Rs in lakh)			
			Gen	SC	ST	Total
1	NFSM Rice	GOI	18.120	4.304	0.227	22.650
		State	12.080	2.869	0.151	15.100
		Total	30.200	7.173	0.378	37.750
2	NFSM Pulses	GOI	331.800	78.800	4.150	414.750
		State	221.200	52.533	2.767	276.500
		Total	553.000	131.333	6.917	691.250

3	NFSM Coarse cereals	GOI	29.880	7.100	0.370	37.350
		State	19.920	4.733	0.247	24.900
		Total	49.800	11.833	0.617	62.250
4	NFSM Nutri cereals	GOI	145.140	34.470	1.810	181.420
		State	96.760	22.980	1.207	120.947
		Total	241.900	57.450	3.017	302.367
5	NFSM TRFA Pulses	GOI	36.360	8.640	0.450	45.450
		State	24.240	5.760	0.300	30.300
		Total	60.600	14.400	0.750	75.750
	Sub Total NFSM Food Grain crops	GOI	561.300	133.314	7.007	701.621
		State	374.200	88.875	4.672	467.747
		Total	935.500	222.189	11.679	1169.367
6	NFSM Cotton	GOI	10.000	2.380	0.120	12.500
		State	6.667	1.587	0.080	8.333
		Total	16.667	3.967	0.200	20.833
7	NFSM Sugarcane	GOI	5.000	1.190	0.060	6.250
		State	3.333	0.793	0.040	4.166
		Total	8.333	1.983	0.100	10.416
	Sub Total NFSM Commercial crops	GOI	15.000	3.570	0.180	18.750
		State	10.000	2.380	0.120	12.499
		Total	25.000	5.950	0.300	31.249
	Grand Total	GOI	576.300	136.884	7.187	720.370
		State	384.200	91.256	4.791	480.246
		Total	960.500	228.139	11.978	1200.616

9. The Director of Agriculture has therefore, requested the Government to accord Administrative approval for a sum of Rs.5402.438 lakh (Government of India share Rs.3241.463 lakh + State Share Rs.2160.975 lakh) and to accord financial sanction for a sum of Rs. 1200.616 lakh (Government of India share Rs.720.370 lakh + State Share Rs.480.246 lakh) as First Installment for the implementation of National Food Security Mission (NFSM)-Rice, Pulses, Coarse Cereals, Nutri Cereals, TRFA Pulses and Commercial Crops for the year 2021-22.

10. The Government, after careful examination, of the proposal of the Director of Agriculture, hereby accord Administrative approval for a sum of Rs.5402.438 lakh (Government of India share Rs.3241.463 lakh + State Share Rs.2160.975 lakh) and financial sanction for a sum of Rs.1200.616 lakh (Rupees twelve crore sixty one thousand and six hundred

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only) (Government of India share Rs.720.370 lakh + State Share Rs.480.246 lakh) as First Instalment, for the implementation of National Food Security Mission (NFSM)-Rice, Pulses, Coarse Cereals and Nutri Cereals, TRFA Pulses, Commercial Crops for the year 2021-22.

11. The expenditure sanctioned in para 10 above shall be debited to the following heads of account:-

(Rupees in lakh)

<u>Central Share</u>	
2401-00 -Crop Husbandry- 112-Development of Pulses- Schemes Shared between State and Centre-UB National Food Security Mission (NFSM) – Other Crops - 309-Grants in Aid- 03 Grants for Specific Schemes (IFHRMS DPC 2401-00-112-UB-30903)	576.300
2401-00 Crop Husbandry- 793- Special Central Assistance for Schedule Caste Component Plan-Schemes Shared between State and Centre-UN National Food Security Mission (NFSM) – Other Crops -309 Grants in Aid- 03 Grants for Specific Schemes- (IFHRMS DPC 2401-00-793- UN - 30903)	136.882
2401-00 Crop Husbandry- 794- Special Central Assistance for Tribal Sub Plan- Schemes Shared between State and Centre- UJ National Food Security Mission (NFSM) – Other Crops 309-Grants in Aid- 03 Grants for Specific Schemes (IFHRMS DPC 2401-00-794 - UJ - 30903)	7.187
<u>State Share</u>	
2401-00 -Crop Husbandry- 112-Development of Pulses- Schemes Shared between State and Centre-UD- National Food Security Mission(NFSM) – Other Crops – State Share 309 Grants in Aid- 03 Grants for Specific Schemes (IFHRMS DPC 2401-00-112- UD - 30903)	384.200

2401-00 Crop Husbandry- 793- Special Central Assistance for Schedule Caste Component Plan- Schemes Shared between State and Centre-VG- National Food Security Mission(NFSM) – Other Crops – State Share 309- Grants in Aid- 03 Grants for Specific Schemes- (IFHRMS DPC 2401-00-793 – VG – 30903)	91.256
2401-00 Crop Husbandry- 794- Special Central Assistance for Tribal Sub Plan- Schemes Shared between State and Centre- VB- National Food Security Mission(NFSM) – Other Crops – State Share - 309-Grants in Aid- 03 Grants for Specific Schemes (IFHRMS DPC 2401-00 – 794 – VB– 30903)	4.791
Total	1200.616

12. The following orders are also issued:-

a)	Permission is accorded to authorize the Director of Agriculture to draw the fund sanctioned and transfer the funds to the single Nodal Account, as per the new procedure of the fund flow through Public Financial Management System (PFMS) issued by Government of India for implementing the National Food Security Mission projects during 2021 -2022.
b)	Permission is accorded to authorize the District Joint Directors of Agriculture concerned to draw the required amount to conduct Cropping System Based Training as per the target.
c)	Permission is accorded to authorize the Director of Agriculture to issue necessary executive instructions in continuation of the guidelines issued, as and when situation arises.
d)	Permission is accorded to permit the concerned Joint Directors of Agriculture to draw and disburse the amount pertaining to Bio Agents to the concerned production units as and when required.

13. The Government also direct the Director of Agriculture to strictly follow the detailed operational guidelines issued with this order, while implementing various components under National Food Security Mission – Rice, Pulses, Coarse Cereals, Nutri Cereals, TRFA Pulses and Commercial Crops for the year 2021-22.

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14. The Director of Agriculture is further directed to submit the monthly progress report incorporating component wise Physical and Financial achievement report by 15th of every month regularly. The Annual Progress Report and Utilization Certificate in the prescribed format GFR-12(C) at the end of the year, to the Government of Tamil Nadu and Government of India.

15. This order issues with the concurrence of Finance Department vide its U.O. No. 45263/ Fin (Agri & FW)/ 2021, dated 21.10.2021

(BY ORDER OF THE GOVERNOR)

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

To

The Mission Director/ The 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 Secretary to Government of India, Ministry of Agriculture, Department
of Agriculture and Cooperation, Krishi Bhawan, New Delhi-110 001.
The Director (Crops), Government of India, Ministry of Agriculture,
Department of Agriculture and Cooperation, Krishi Bhawan,
New Delhi-110 001.
The Additional Commissioner (Crops), Government of India, Ministry of
Agriculture, Department of Agriculture and Cooperation, Krishi Bhawan,
New Delhi-110 001.
The Director, Directorate of Rice Development, Patna.
The Director, Directorate of Pulses Development, Bhopal.
The Director, Directorate of Millets Development, Jaipur.
The Commissioner of Agriculture Marketing and Agri Business, Chennai-32.

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The Private Secretary to Agricultural Production Commissioner and Secretary to Government, Agriculture and Farmers Welfare Department, Chennai-9.
The Finance (Agri/BG I/ BG II) 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//

J. Anurag
16/11/21
SECTION OFFICER

B
16/11/21

Annexure - I

NFSM - 2021 - 2022 - RICE - Administrative approval and Financial sanction of 1st installment fund

Sl. No	Interventions	Unit	Pattern of assistance	Target approved for Administrative approval during the year 2021 - 2022			Target approved for first release during 2021 - 2022								
				Physical	Finance (Rs in lakh)		Physical	Finance (Rs in lakh)							
					GOI Share	State share		Total	GOI Share	State share	Total				
1	Cluster Demonstrations														
a	Cluster Demonstrations on Direct Seeded Rice / SRI/Line transplanting		Maximum eligible subsidy of Rs. 7500/ per Ha.	2000	90.000	60.000	150.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
b	Cluster Demonstration on Stress Tolerant Varieties	Ha	Maximum eligible subsidy of Rs. 12500/ per Ha.	600	27.000	18.000	45.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
c	Cropping System Based Demonstration (Rice - Pulses)			840	63.000	42.000	105.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sub Total - Demonstrations			3440	180.000	120.000	300.000								
2	Seed Distribution														
b.	HYV seeds of Rice (for varieties older than 10years) - limited to 20 % of total seed distribution target of HYV	Qtl	50% of the cost or Rs.1000/ qtl which ever is less	5000	30.000	20.000	50.000	5000	30.000	20.000	50.000	0	0.000	20.000	50.000
c.	HYVs Seeds of Rice (for varieties less than 10 years)		50% of the cost or Rs.2000/ qtl which ever is less	10150	121.800	81.200	203.000	6887.5	82.650	55.100	137.750				
	Sub Total - Seed distribution			15150	151.800	101.200	253.000		112.650	75.100	187.750				
3	Plant and Soil Protection Management														
a	Soil Management - Micronutrient			10000	30.000	20.000	50.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
b	Plant Protection Management- Plant protection chemical and bioagents	Ha	Rs.500/-Ha. or 50% of the cost whichever is less	7400	22.200	14.800	37.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
c	Plant Protection Management- Weedicides			5000	15.000	10.000	25.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Sub total- Plant Management			22400	67.200	44.800	112.000								
4	Flexi components														
	Water application tools														
1	Incentive for Pumpsets	Nos	Rs.10,000/-per No. or 50% of the cost whichever is less	720	43.200	28.800	72.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
II.	Cropping System Based Training		Rs. 3500/-per session; Rs.14,000/- training	100	8.400	5.600	14.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	GRAND TOTAL - NFSM - RICE - 2021 - 2022				450.600	300.400	751.000		112.650	75.100	187.750				

Annexure - II

NFSM - 2021 - 2022 - PULSEES - Administrative approval and Financial sanction of 1st installment fund

Sl. No.	Interventions	Rate of Assistance	Unit	Target approved for Administrative approval during the year 2021 - 2022				Target approved for first release during 2021 - 2022										
				Phy	Finance (Rs. In Lakh)			Phy	Finance (Rs. In Lakh)									
					GOI Share	State share	Total		GOI Share	State share	Total							
1	Demonstrations on improved technology																	
	Cluster Demonstrations(of 100Ha each)																	
1(a)	(i) Blackgram			6000	270.000	180.000	450.000	1800	81.000	54.000	135.000							
	(ii) Greengram	Rs. 7500/ha		1400	63.000	42.000	105.000	400	18.000	12.000	30.000							
	(iii) Bengal gram			300	13.500	9.000	22.500	50	2.250	1.500	3.750							
	Sub Total (a)			7700	346.500	231.000	577.500	2250	101.250	67.500	168.750							
	Cropping System Based Demonstrations																	
1(b)	(i) Groundnut Followed By black gram	Rs.15000/Ha	Ha	800	72.000	48.000	120.000	280	25.200	16.800	42.000							
	Total for Demo-Item -1(a+b)			8500	418.500	279.000	697.500	2530	126.450	84.300	210.750							
2	Assistance for Distribution & Production of Seeds																	
	Distribution of HYV seeds (for varieties less than 10 years of age)																	
2(a)	(i) Black Gram	Rs. 5000/ha or 50% of the cost		6000	180.000	120.000	300.000	3000	90.000	60.000	150.000							
	(ii) Green gram	whichever is less		701	21.030	14.020	35.050	300	9.000	6.000	15.000							
	Sub Total - 2a			6701	201.030	134.020	335.050	3300	99.000	66.000	165.000							
	Distribution of HYV seeds (for varieties more than 10 years of age)																	
2(b)	(i) Red gram			300	4.500	3.000	7.500	100	1.500	1.000	2.500							
	(ii) Black gram			700	10.500	7.000	17.500	400	6.000	4.000	10.000							
	(iii) Green gram	Rs.2500/-per Qtl or 50% of the cost whichever is less	Qt	300	4.500	3.000	7.500	150	2.250	1.500	3.750							
	(iv) Other Pulses (Cowpea/ Horsegram/ Bengal gram)			400	6.000	4.000	10.000	200	3.000	2.000	5.000							
	Sub Total - 2b			1700	25.500	17.000	42.500	850	12.750	8.500	21.250							
	Sub Total for Distribution (2a + 2b)				226.530	151.020	377.550		111.750	74.500	186.250							

Sl. No.	Interventions	Rate of Assistance	Unit	Target approved for Administrative approval during the year 2021 - 2022				Target approved for first release during 2021 - 2022														
				Phy	Finance (Rs. In Lakh)			Phy	Finance (Rs. In Lakh)													
					GOI Share	State share	Total		GOI Share	State share	Total											
2(c)	production of seeds (for varieties less than 10 years of age)			(i) Red gram	550	8.250	5.500	13.750	83	1.245	0.830	2.075										
				(ii) Black Gram	12700	190.500	127.000	317.500	400	6.000	4.000	10.000										
				(iii) Green gram	1600	24.000	16.000	40.000	100	1.500	1.000	2.500										
				Sub Total - 2c	14850	222.750	148.500	371.250	583	8.745	5.830	14.575										
	Total for Seeds-Item (2a + 2b + 2c)			449.280	299.520	748.800		120.495	80.330	200.825												
3	Plant & Soil Protection																					
	Soil Management																					
3(a)	(i) Micro Nutrients	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	8000	24.000	16.000	40.000	1500	4.500	3.000	7.500											
				85000	153.000	102.000	255.000	8000	14.400	9.600	24.000											
	Sub Total - 3a			93000	177.000	118.000	295.000		18.900	12.600	31.500											
3(b)	Plant Protection Management (IPM)																					
	(i) Distribution of PP chemicals	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	8000	24.000	16.000	40.000	1000	3.000	2.000	5.000											
	Total for INM & IPM-Item - (3a + 3b)				201.000	134.000	335.000		21.900	14.600	36.500											
4	Flexi Components																					
4 (a)	Farm Implements & Equipments																					
													i) Distribution of Rotavator for other farmers (Tractor driven above 35 HP)	Rs.34000/- per No or 40% of the cost whichever is less	600	122.400	81.600	204.000	0	0.000	0.000	0.000
													(ii) Distribution of Rotavator for SC, ST, Small, Marginal and women farmers (Tractor driven above 35 HP)	Rs.42000/- per No or 50% of the cost whichever is less	225	56.700	37.800	94.500	0	0.000	0.000	0.000
													(iii) Distribution of Batter/Power Sprayer for other farmers (above 12-16 litres)	Rs.3000/ No or 40% of the cost whichever is less	500	9.000	6.000	15.000	0	0.000	0.000	0.000
	(iv) Distribution of Battery/Power Sprayer for SC, ST, Small, Marginal and women farmers (above 12-16 litres)	Rs.3800/ No or 50% of the cost whichever is less	650	14.820	9.880	24.700	0	0.000	0.000	0.000												
	Sub Total Farm Implements - 4a (i+ii+iii+iv)			202.920	135.280	338.200		0.000	0.000	0.000												

Sl. No.	Interventions	Rate of Assistance	Unit	Target approved for Administrative approval during the year 2021 - 2022				Target approved for first release during 2021 - 2022			
				Phy	Finance (Rs. In Lakh)			Phy	Finance (Rs. In Lakh)		
					GOI Share	State share	Total		GOI Share	State share	Total
4 (b)	Efficient water application Tools	50 % of the cost limited to Rs.35/M for PVC pipes, with a maximum limit of Rs.15000 per farmer/beneficiary	Mtrs	270000	56.700	37.800	94.500	0	0.000	0.000	0.000
4 (c)	Cropping system based training (Four sessions i.e one before Kharif and rabi season and one in each duration kharif and rabi)	Rs.3500/session and Rs.14000/ Training	Nos	200	16.800	11.200	28.000	50	4.200	2.800	7.000
4 (d)	LOCAL INITIATIVES										
	(i) Growing of Pulses on bunds of all agricultural crops	Rs.150/ Ha or 50 % of the cost of 3Kgs of pulses which ever	Ha.	5000	4.500	3.000	7.500	5000	4.500	3.000	7.500
	(ii) Distribution of Movable Threshing floor / Tarpaulin	Rs.1500/No or 50% of the cost	Nos	4000	36.000	24.000	60.000	1500	13.500	9.000	22.500
	(iii) Assistance of Redgram Transplanting	RS3200/Ha	Ha	1250	24.000	16.000	40.000	1000	19.200	12.800	32.000
	Sub Total- 4d				64.500	43.000	107.500		37.200	24.800	62.000
	Total for Flexi Components - (4a to 4d)				340.920	227.280	568.200		41.400	27.600	69.000
	Miscellaneous Expenses										
	(a) Project Management Team and other Musc., expenses at district level(2 New districts are included) Mayiladuthurai and Kallakurichi	Funds allocated @Rs.14.50Lakh per PMT		26	226.200	150.800	377.000	26	95.505	63.670	159.175
5	(b) Project Management Team and other Musc., expenses at State level	Funds allocated @Rs.21.000 Lakh for first PMT + Rs.17.500 Lakh for per addl PMT		2	23.100	15.400	38.500	2	9.000	6.000	15.000
	Sub Total 5				249.300	166.200	415.500		104.505	69.670	174.175
	Total NFSM-Pulses without PMT - 2021 - 2022				1409.700	939.800	2349.500		310.245	206.830	517.075
	Total NFSM-Pulses with PMT - 2021 - 2022				1659.000	1106.000	2765.000		414.750	276.500	691.250
	Grand Total - NFSM - Pulses - 2021-2022				1659.000	1106.000	2765.000		414.750	276.500	691.250

Annexure - III

NFSM - 2021 - 2022 - COARSE CEREALS - Administrative approval and Financial sanction of 1st installment fund

Sl. No	Intervention	Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022			Target Approved for first release during 2021 - 2022								
				Physica I	GOI Share	State share	Total	Physica I	GOI Share	State share	Total				
1	Demonstrations														
(a)	Demonstrations on Improved Package (Maize)			1825	65.700	43.800	109.500	353	12.708	8.472	21.180				
(b)	Demonstration on inter cropping	Rs.6000/Ha	Ha												
				(i)Maize with Blackgram	125	4.500	3.000	7.500	31	1.116	0.744	1.860			
				(ii)Maize with Greengram	125	4.500	3.000	7.500	31	1.116	0.744	1.860			
				Sub total 1(b)	250	9.000	6.000	15.000		2.232	1.488	3.720			
2	Distribution of Hybrid seeds of Maize			2075	74.700	49.800	124.500		14.940	9.960	24.900				
3	Plant and Soil Protection Management			747	44.820	29.880	74.700	373.5	22.410	14.940	37.350				
a.	Plant Protection Management - Plant protection chemical and bio agents	Rs.500/ ha.or 50% of the cost whichever is less	Ha	9960	29.880	19.920	49.800	0	0.000	0.000	0.000				
	Total - NFSM - Coarse Cereals - 2021 - 2022				149.400	99.600	249.000		37.350	24.900	62.250				

Annexure - IV

NFSM - 2021 - 2022 - NUTRICERIALS - Administrative approval and Financial sanction of 1st installment fund																						
Sl. No	Intervention	Approved Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022				Target Approved for first release during 2021 - 2022														
				Phy.	Finance (Rs. In Lakh)			Phy.	Finance (Rs. In Lakh)													
					GOI Share	State Share	Total		GOI Share	State Share	Total											
1	Cluster Front Line Demonstration by State																					
				i) Jowar	1600	57.600	38.400	96.000	528	19.007	12.671	31.678										
				ii) Bajra	750	27.000	18.000	45.000	247.5	8.910	5.940	14.850										
				iii) Ragi	3000	108.000	72.000	180.000	990	35.640	23.760	59.400										
				iv) Banyard Millet	650	23.400	15.600	39.000	214.5	7.722	5.148	12.870										
				v) Little Millet	600	21.600	14.400	36.000	198	7.128	4.752	11.880										
				vi) Foxtail Millet	150	5.400	3.600	9.000	49.5	1.782	1.188	2.970										
				vii) Kodo Millet	150	5.400	3.600	9.000	49.5	1.782	1.188	2.970										
				Sub Total (Item 1)				6900	248.400	165.600	414.000		81.971	54.647	136.618							
				2	(a) Hybrid seed of nutritive variety (25% of the total seed allocation of Jowar & Bajra)																	
i) Jowar	220	13.200	8.800					22.000	110	6.600	4.400	11.000										
ii) Bajra	100	6.000	4.000					10.000	50	3.000	2.000	5.000										
(b)HYVs seed (for varieties less than 10 years)																						
i) Jowar (for Varieties <10 years)	1000	18.000	12.000					30.000	500	9.000	6.000	15.000										
ii) Bajra (for Varieties <10 years)	550	9.900	6.600					16.500	275	4.950	3.300	8.250										
iii) Ragi (for Varieties <10 years)	3050	54.900	36.600					91.500	1525	27.450	18.300	45.750										
iv) Banyard Millets (for Varieties <10 years)	500	9.000	6.000					15.000	250	4.500	3.000	7.500										
(c)HYVs seed (for varieties more than 10 years)																						
i) Jowar (for Varieties >10 years)	20	Rs. 1500/qtt	qtt					20	0.180	0.120	0.300	10	0.090	0.060	0.150							
ii) Bajra (for Varieties >10 years)	60	Rs. 1500/qtt	qtt	60	0.540	0.360	0.900	30	0.270	0.180	0.450											

Sl. No	Intervention	Approved Rate of Assistance	Unit	Target Approved for Administrative Approval during the year 2021 - 2022					Target Approved for first release during 2021 - 2022								
				Phy.	Finance (Rs. In Lakh)			Phy.	Finance (Rs. In Lakh)								
					GOI Share	State Share	Total		GOI Share	State Share	Total						
	iii) Ragi (for Varieties >10 years) iv) Baryard Millets (for Varieties >10 years) Sub Total (Item 2(b))	Rs. 1500/qtl Rs. 1500/qtl	qtl qtl	1240	11.160	7.440	18.600	620	5.580	3.720	9.300						
				146.5	1.319	0.879	2.198	73.25	0.659	0.440	1.099						
					104.999	69.999	174.998		52.499	35.000	87.499						
					5750	124.199	82.799	206.998		62.099	41.400	103.499					
3	Certified Seed Production of HVMs seeds by State <10 years old varieties (60:40)																
	i) Jowar ii) Bajra iii) Ragi iv) Baryard Millet Sub Total (Item 3)	Rs. 3000/qtl	qtl	1800	32.400	21.600	54.000	450	8.100	5.400	13.500						
				1000	18.000	12.000	30.000	250	4.500	3.000	7.500						
				3400	61.200	40.800	102.000	850	15.300	10.200	25.500						
				700	12.600	8.400	21.000	175	3.150	2.100	5.250						
	Sub Total (Item 3)			6900	124.200	82.800	207.000		31.050	20.700	51.750						
4	Integrated Nutrient Management (INM)																
	i) Micro Nutrient ii) Bio-fertilizer Sub total (Item 4)	Rs. 500/ha Rs. 300/ha	ha	16000	48.000	32.000	80.000	0	0.000	0.000	0.000						
				11000	19.800	13.200	33.000	0	0.000	0.000	0.000						
				27000	67.800	45.200	113.000		0.000	0.000	0.000						
5	Integrated Pest Management (IPM)																
	i) Weedicides ii) Plant Protection Chemical & Bio-agents Sub Total (Item 5)	Rs. 500/ha	ha	8800	26.400	17.600	44.000	0	0.000	0.000	0.000						
				10000	30.000	20.000	50.000	0	0.000	0.000	0.000						
	Sub Total (Item 5)			18800	56.400	37.600	94.000		0.000	0.000	0.000						
	Total for INM&IPM [item4+5]			45800	124.200	82.800	207.000		0.000	0.000	0.000						

Sl. No	Intervention	Approved Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022			Target Approved for first release during 2021 - 2022												
				Phy.	Finance (Rs. In Lakh)		Phy.	Finance (Rs. In Lakh)											
					GOI Share	State Share		Total	GOI Share	State Share	Total								
6	Flexi Components																		
6(a)	Farm Implements & equipments																		
	i) Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers	50% of the cost of Rs.750/ unit, whichever is less	Nos	1000	4.500	3.000	7.500	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	ii) Manual Sprayer for other farmers	40% of the cost of Rs.600/ unit, whichever is less	Nos	2000	7.200	4.800	12.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Sub Total (Item 6 (a))			3000	11.700	7.800	19.500		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
6 b	Cropping system based training	Rs. 14000 per training of 4 session	Nos	300	25.160	16.780	41.940	75	6.300	4.200	10.500								
	Sub Total Item (6 b)				25.160	16.780	41.940		6.300	4.200	10.500								
6 c	Events / Workshop																		
	iii) Road Show	Lump Sum(Rs.0.20 Lakh)	Nos	490	58.800	39.200	98.000	0	0.000	0.000	0.000								
	v) Publicity	Lump Sum(Rs.1.00 Lakh) / Dist	Nos	15	9.004	5.996	15.000	0	0.000	0.000	0.000								
	Total for Flexi Components				104.664	69.776	174.440		0.000	0.000	0.000								
	Total NFSM - Nutri - Cereals - 2021 - 2022				725.663	483.775	1209.438		181.420	120.947	302.367								

Annexure - V

NFSM - 2021- 2022 - TRFA Pulses- Administrative approval and Financial sanction of 1st installment fund											
Sl. No.	Interventions	Approved Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022				Target Approved for first release during 2021 - 2022			
				Phy	Finance (Rs. In Lakh)			Phy	Finance (Rs. In Lakh)		
				GOI Share	State share	Total	GOI Share	State share	Total		
Demonstrations on improved technologies											
(a) Cluster Demonstrations(of 50 Ha each)											
1	(i) Blackgram	Rs.5000/Ha	Ha	2730	81.900	54.600	136.500	1035	31.050	20.700	51.75
	(ii) Greengram			300	9.000	6.000	15.000	100	3.000	2.000	5.000
Sub Total (1)				3030	90.900	60.600	151.500		34.050	22.700	56.75
2 Distribution of Seeds(varieties of less than 10 years old)											
	(a) Black gram	Rs.5000/ Qtl or 50% of the cost whichever is less	Qtl	138.5	4.155	2.770	6.925	70	2.100	1.400	3.500
	(b) Green gram			15	0.450	0.300	0.750	15	0.450	0.300	0.750
Seeds -Sub Total (2)				153.5	4.605	3.070	7.675		2.550	1.700	4.250
Integrated Nutrient Management											
3	(a) Distribution of Micro Nutrients	Rs.500/ Ha or 50 % of the cost whichever is less	3050		9.150	6.100	15.250	500	1.500	1.000	2.500
	(b) Gypsum				13.725	9.150	22.875	500	2.250	1.500	3.750
	(c) Biofertilizers				5.490	3.660	9.150	500	0.900	0.600	1.500
Sub Total (3)				28.365	18.910	47.275		4.650	3.100	7.750	
Integrated Pest Management											
4	(a) Distribution of PP chemicals	Rs.500/ Ha or 50 % of the cost whichever is less	Ha	3050	9.150	6.100	15.250	500	1.500	1.000	2.500
	Sub Total (4)				9.150	6.100	15.250		1.500	1.000	2.500

NFSM - 2021- 2022 - TRFA Pulses- Administrative approval and Financial sanction of 1st installment fund											
Sl. No.	Interventions	Approved Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022			Target Approved for first release during 2021 - 2022				
				Phy	GOI Share	State share	Total	Phy	GOI Share	State share	Total
5	Farm Implements	50 % of the cost limited to Rs.35/M for PVC pipes with a maximum limit of Rs.15000 per farmer/beneficiary	metre	206143	43.290	28.860	72.150	0	0.000	0.000	0
					43.290	28.860	72.150		0	0	0
				Sub Total (5)							
6 Local Initiatives - upto 5% of total allocation											
	Distribution of Tarpaulin	50% of the cost limited to Rs.1500/No whichever is less	Nos	610	5.490	3.660	9.150	300	2.700	1.800	4.500
	Total NFSM TRFA Pulses 2021-22				181.800	121.200	303.000		45.450	30.300	75.750

Annexure - VI

NFSM - 2021 - 2022 - Commercial crops - Administrative approval and Financial sanction of 1st installment fund											
Sl. No.	Interventions	Approved Rate of Assistance	Unit	Target Approved for Administrative approval during the year 2021 - 2022				Target Approved for first release during 2021 - 2022			
				Phy	Finance (Rs. In Lakh)			Phy	Finance (Rs. In Lakh)		
					GOI share	State Share	Total		GOI share	State Share	Total
1. Cotton based cropping system:											
1	Front Line Demonstration on Integrated Crop Management (ICM)	Rs.8000/ha		450	21.650	14.350	36.000	50	2.400	1.600	4.000
2	Front Line Demonstration on ELS cotton/ELS Cotton Seed Production	Rs. 9000/ha	Ha.	10	0.550	0.350	0.900	10	C.540	0.360	0.900
3	Front Line Demonstration on Intercropping	Rs. 8000/ha		350	16.800	11.200	28.000	100	4.800	3.200	8.000
5	Trials on High Density Planting System	Rs. 10000/ha		141	8.600	5.500	14.100	52	3.080	2.053	5.133
6	State Level training	Rs.40000/training	No.	10	2.400	1.600	4.000	7	1.680	1.120	2.800
	Total Cotton				50.000	33.000	83.000		12.500	8.333	20.833
2. Sugarcane based cropping system:											
1	Demorstration on Intercropping/Single bud chip technology with Sugarcane.	Rs.9000/ha	Ha.	410	22.140	14.760	36.900	68	3.670	2.446	6.116
2	Production / Supply of Tissue culture plantlets / Seedlings	Rs.3.5/Seedling	No.	100000	2.100	1.400	3.500	1,00,000	2.100	1.400	3.500
3	State Level training	Rs.40000/training	No.	4	0.960	0.640	1.600	2	C.480	0.320	0.800
	Total Sugarcane				25.200	16.800	42.000		6.250	4.166	10.416
	Total NFSM 21-22-Cotton and Sugarcane				75.200	49.800	125.000		18.750	12.499	31.249

C. SAMAYAMOORTHY
 AGRICULTURAL PRODUCTION COMMISSIONER
 AND SECRETARY TO GOVERNMENT

//TRUE COPY//


 SECTION OFFICER

G.O. (Ms) No.184, Agriculture and Farmers Welfare (AP4) Department,
dated 15.11.2021

OPERATIONAL GUIDELINES - NATIONAL FOOD SECURITY
MISSION - 2021-2022

General Guidelines:

1. Project Implementation Agency

- i. Directorate of Agriculture will be the project implementation agency.
- ii. Joint Director of Agriculture at district level and Assistant Director of Agriculture at block level will be responsible for implementation of various components of the scheme in a time bound manner.
- iii. At district level, the scheme will be implemented through Extension functionaries of the Department of Agriculture and Project Management Team and ATMA Staff.

2. Publicity and Awareness

- I. On receipt of scheme target from JDAs, the Block level ADAs should effectively utilize the FCMS / AGRISNET / Uzhavan App in sending messages to all farmers in that block to register with Block ADA to avail the benefit of the scheme.
- II. Wide publicity shall be given on various components of the scheme through Newspapers, AIR and meeting with farmers of villages to highlight the practices, interventions such as Direct Seeding, Line transplanting/SRI, Demonstration on Stress Tolerant Varieties, cropping system etc., and about the schemes implemented in the District.
- III. Farmers shall be informed about the details of resource conservation tools for which subsidy can be availed besides booking of machineries available at custom hiring centers and for advance booking with Agriculture Engineering Department.
- IV. Door to Door campaign shall be conducted in selected villages of each district in a massive way.
- V. Farmer's friend of ATMA shall be involved for publicity work.

3. Identification of Villages under Various Components.

- I. Villages with area in cluster of 100 ha and yield below the block average yield (Last 5 best years) shall be selected. This criterion shall be relaxed and extended to other villages if sufficient area in one village cannot be identified.
- II. Villages with problematic soils shall be identified for application of productivity enhancing inputs.
- III. A list of selected villages shall be prepared by the Agricultural officers / Deputy Agriculture Officers concerned and submitted to the ADA. The scheme component should be implemented in the selected village only.

- IV. The genuineness of selection of villages shall be verified by the district Deputy Director of Agriculture (GOI) and Joint Director of Agriculture.

4. Selection of Beneficiaries

- I. The name of the farmers expressing willingness to avail benefits under the scheme through Uzhavan App shall be entered in a priority register, maintained in the AECs.
- II. The AAO shall select the farmers from the priority register based on the seniority and obtain application in the prescribed format from the farmer along with the following documents.
 - ✓ Soil Health card/Extract of chitta adangal.
 - ✓ Voter ID card / Ration card / Aadhaar card / Soil Health Card/ Driving license/ Passport
- III. The beneficiary selected should find a place in the farm family register maintained by the AAOs.
- IV. Only farmers willing to co-operate and contribute a portion of the resources shall be selected.
- V. Selection of beneficiaries shall be done by adopting participatory approach by holding meetings in the village by explaining the objectives of the demonstration.
- VI. Preference shall be given to SC/ST, SF/MF and Women farmers, in that order for various components of the scheme. Allocation to SC (19%) / ST (1%) farmers shall be made in proportion to the population in the blocks.
- VII. Atleast 33% and 30% of the total allocation shall be made for small & marginal farmers and women farmers respectively.
- VIII. All the farmers are entitled to avail the assistance for various components of the Mission limited to 5 hectares in a season.
- IX. Beneficiaries shall be identified by the AAOs concerned and veracity of the beneficiaries shall be checked by the A.Os / Deputy A.Os concerned.
- X. The concerned Assistant Seed Officer shall select the beneficiaries for seed production and the seeds produced by the seed farm farmers should be procured as per the Seed Certification standards for extending production subsidy.
- XI. A list of beneficiaries should be prepared by the Agricultural officers / Deputy Agricultural officers concerned and submitted to Assistant Director of Agriculture.
- XII. The list prepared shall be verified and approved by the Assistant Director of Agriculture. The genuineness of the beneficiaries shall be verified by the Deputy Director of Agriculture and Joint Director of Agriculture.
- XIII. A farmer is eligible for benefit under a particular component of this scheme only once. But the farmers can avail subsidy for more than one component.
- XIV. The list of beneficiaries shall be uploaded in the AGRISNET / FCMS/ NFSM portal.

5. CRITERIA FOR SELECTING A DEMONSTRATION PLOT

- i. The demonstration should be conducted in a contiguous block by dividing the fields in two blocks, one for improved practices and the other for farmers practices (Control plot) in a cluster of 100 hectare or more. However, the size of compact demonstrations for Pulses is proposed to be reduced to 20 Ha in those districts where crop area is less than 10,000 Ha.
- ii. 30% of the Rice demonstrations should also be allocated for stress tolerance varieties, out of the total rice demonstrations. The lowest productivity areas / village in selected blocks should be given priority.
- iii. Demonstrations should be evenly distributed within and among selected clusters.
- iv. All farmers in a cluster should be included in a demonstration. For each farmer, at least 0.4Ha (1acre) area should be included in the demonstration.
- v. Demonstration site should be easily accessible to the farmers and the extension workers. It shall not be on an isolated field.
- vi. The selected site should be a true representative of soil type and soil fertility status of the area. The soil fertility status of the selected field should be known well in advance for deciding the use of fertilizer and soil ameliorants. Hence the beneficiary should compulsorily possess a valid Soil Health Card.
- vii. Large blocks of crop areas shall be taken up for demonstration of production and protection technologies in a cropping system based mode.
- viii. The cropping system based approach shall entail that demonstrations are done in cropping sequence on the same plot of land.
- ix. A display board shall be installed at the demonstration plot with the following information.
 - a) Name of demonstration
 - b) Name of village
 - c) Number of farmers
 - d) Fertilizers applied
 - e) Bio-fertilizers applied
 - f) Micronutrient applied
 - g) Date of sowing / transplanting
 - h) Seed rate and spacing
 - i) Any other critical input used
 - j) Contact number of the officers responsible
- x. More than one improved variety / Hybrid shall be included in one cluster demonstration.
- xi. Field days shall be organized at various stages, especially during reproductive phase of the crop preferably at grain filling stage. As the demonstrations are laid with an aim to bring an impact of 10 times, more number of farmers in the vicinity should be invited to the field days.
- xii. The participation of Scientists from TNAU/KVKs shall be ensured for critical observations and solutions for problems.
- xiii. Relevant extension literature like leaflets, pamphlets etc., shall be made available to the participating farmers.

6. Arrangement for Critical Inputs

- i. Seeds should be purchased by the farmers from the AECs. If the farmer preferred Hybrid seed is not available in AEC, Field functionaries shall ensure that the Farmers purchase seeds only from Seed Producing Agencies such as NSC/TNAU/ICAR Institutes and subsidy can be released as backended.
- ii. The district JDA / DDA (SS)/ DDA (GOI) / ADAs should assess the entire quantity of inputs to be supplied from Department for demonstrations and make necessary arrangements to procure the same prior to the commencement of season.
- iii. ADAs should procure the Seed. The receipt of stock should be verified and the cost of seed shall be directly adjusted in the TANSEDA account.
- iv. The farmer's contribution and subsidy adjustment amount should be credited in TANSEDA account for all the seeds procured and distributed through TANSEDA.
- v. The District JDAs should assess the quantity of inputs supplied through Department Production Centres and place indents well in advance to MN Production Unit, Kudumianmalai for MN Mixture, Bio Control agents such as Pseudomonas / T.viridi /NPV to Bio Control Labs and Carrier/Liquid bio fertilizers to nearest Biofertilizer Production Units.
- vi. The receipt of stock for critical inputs shall be verified by the Assistant Director of Agriculture and the cost of input will be directly adjusted in the concerned receipt head.
- vii. Online billing of inputs shall be done in the AECs (Wherever provided) and record of the transaction shall be maintained.

7. Need based inputs (seed, nutrients, soil ameliorants, bio- fertilizers, plant protection chemicals, farm machinaries and training)

A. Guideline for Extending Back ended subsidy / Private / DLAPC - (Nutrients, Soil Ameliorants, Plant Protection Chemicals, Pusa hydrogel, Organic fertilizers and spraying cost for foliar spray of nutrients)

For availing back ended subsidy by farmers, the AAOs should obtain the farmers details in separate application form with genuine bills, duly verifying the bank name, account number (along with IFSC code) of the farmers for online money transfer (ECS).

- i. For inputs for which the back ended subsidy is extended, the beneficiary should produce original purchase bill / evidence and the use of the inputs should be verified by AAO.
- ii. AAOs after ensuring the crops raised, procurement / application of inputs i.e., seeds, Weedicides / Foliar nutrient spray / PP Chemicals / seed sowing through Seed Drill for Paddy, Sorghum & Ragi (rainfed) / promotion of machine transplanting/line sowing for Paddy, line sowing for Cumbu, Minor Millets / line transplantation for Ragi (irrigated) / Ridges and Furrows sowing for Maize etc., (photograph taken during and after implementation should be enclosed) shall recommend the application to the Assistant Director of Agriculture through AO / Deputy AO for disbursing the cash component of the subsidy through ECS.

- iii. If the farmer preferred Hybrid seed is not available in AEC, Field functionaries shall ensure that the farmers purchase seeds only from Seed Producing Agencies such as NSC/TNAU/ICAR Institutes and subsidy can be released as backended.
- iv. Assistance for purchase of seeds will be available to selected farmers for the area not exceeding 2 ha each.
- v. Back-ended subsidy shall be released within 30 days from the receipt of related documents.
- vi. DAP will be purchased from PACCS and distributed through concerned AEC.

8. Reporting

- I. Results of the demonstrations should be compiled at Block, District and State level.
- II. Results of the demonstrations should be compiled in the form of documents and photos along with beneficiary shall be taken for documentation / success story.
- III. The AAO should ensure proper documentation (including photo and impact of the interventions) of this component. Video clipping may also be taken.

9. Monitoring

- i. District Consultants / Technical Assistant of NFSM should monitor the conduct of demonstrations throughout the cropping season and shall document the success stories and report to the district level Project Management Team (PMT).
- ii. The extension functionaries should visit the demonstration plots and arrange need based visits of scientists.
- iii. State Consultants / Technical Assistant of NFSM district Zonal officers from Headquarters should randomly visit the beneficiaries and demonstration plots and ensure the proper implementation of the scheme.
- iv. All the Demonstrations plots and seed minikit distributions done under NFSM-Pulses should be compulsorily GEOTAGGED through KRISHI KISAN application which is available in www.nfsm.gov.in and other entries should be regularly updated in NFSM-MIS Portal.

10. Machinery & resource conservation tools

- i. The AAO / Deputy AO / AOs concerned shall assess the village wise requirements.
- ii. The AAO shall identify the beneficiaries within the stipulated time and prepare a village wise list of beneficiaries.
- iii. 50% of the farmers selected for assistance for Farm Mechanization shall be those who have also been selected for cluster demonstrations.
- iv. The AAO shall canvass and receive applications for pumpsets, Implements from the farmers and online entry shall be made in the **Agrisnet portal**. The farmers registered through Uzhavan App should be given priority.
- v. A priority register should be maintained at the Block AEC office of Agricultural Department to register them chronologically, irrespective of financial year.
- vi. The farmers are free to choose any brand / make and any type of agricultural machinery and implements as per his / her choice from the empanelled and approved list given by the Agricultural Engineering Department
- vii. The subsidy is eligible for the farmers who purchase on or after 1.4.2021

- viii. This subsidy should be given to the farmers who have not been benefitted under any other schemes.
- ix. AAOs should collect the application from the farmers along with vouchers for the purchase.
- x. AOs and Deputy AOs should verify the vouchers with the purchase of machinery / implement along with the farmer concerned in person and recommend for release of subsidy.
- xi. The ADA should verify the application forms and send the consolidated statement to JDA along with the details of subsidy to be released, Bank account number and IFSC code of the beneficiaries after careful verification.
- xii. JDAs should release subsidy amount to the farmers directly through PFMS after physical verification of purchase bill, supply of machinery to the beneficiary as backended.

11. Training

- i. Training shall be organized for cropping system-based approach.
- ii. Four sessions of each training, one at the beginning of kharif & Rabi seasons and one each during Kharif & Rabi season shall be organized.
- iii. The training shall be imparted by Crop/Subject Matter Specialists of TNAU/KVKs on Crop Management (agronomic and plant protection practices) including primary processing of produce, storage etc.,
- iv. A group of 30 participants / farmers in each session shall be invited and the participants for all the four sessions shall be same.
- v. Progressive farmers / Farmers raising the specific crop / Members of farmer's organization & Farmers interest groups / women farmers / rural youths interested in farming shall be identified for the training.
- vi. The age of participants shall be preferably between 20 to 50 years.
- vii. A sum of Rs 14,000/- per training (Rs.3,500/- per session) is admitted.

The item-wise breakup of training given as under:

Item	Rate (Rs.)	Amount for 4 sessions (Rs.)
Honorarium for one trainer	Rs.500/- per session	2000
Training material & stationery	Rs.500/- per session	2000
Refreshment for trainees, supporting staff	Rs.50/- head per session for 35 persons	7000
Contingency, POL transport etc.	Rs.750/- per session	3000
Total		14000

In addition to general guidelines, the component wise specific guidelines to be adhered are detailed below.

NATIONAL FOOD SECURITY MISSION- RICE –2021-22

Implementing Districts	: Thanjavur, Nagapattinam, Mayiladuthurai, Thiruvarur, Cuddalore, Pudukottai, Tiruvannamalai, Ramanathapuram and Sivagangai.
The upper limit for assistance will be a maximum of 2 ha per farmer.	

**Component- I (i) : Cluster Demonstration on Direct Seeded Rice
(one cluster of 100 ha each)**

Rate of assistance : Rs 7500 per Ha.

The item-wise breakup for the demonstration is as follows:

S. No	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1	Seed	40 Kg/ha @ Rs.37/Kg	Department	1480
2	Seed hardening 1% KCL	1 kg/40 kg of seed	Department / Private	20
3	Organic Manure	12.5 Kg @ Rs.260/Kg		3250
4	Pusa hydrogel	250 gm		450
5	Border crop- Redgram	2 kg/ha	Department	200
6	Paddy Micronutrient mixture	12.5 kg/ha @ Rs.45/Kg	Department	560
7	<i>Pseudomonas fluorecens</i>	2.5 kg /ha @ Rs.179/Kg		448
8	Liquid bio fertilizer			300
	a. Azospyrillum	500 ml/ ha		
	b. Phosphobacteria	500 ml/ha		
9	Contingencies			
	i. Publicity/Documentation			250
	ii. Field Day and Leaf Color chart			250
	iii. Scientist/GOI/State official visit			300
	Total			7508

Subsidy is limited to Rs. 7500 / ha

- Soil test should be carried in all demonstration plots.
- All demonstration plots should be Geo tagged.
- Notified varieties less than 10 years are only eligible for laying demonstration.
- Foundation or Certified Seeds shall be used for the demonstration.

- e. All improved package of practices like Seed hardening 1% KCl & Seed treatment with *Pseudomonas* shall be followed in the demonstration field.
- f. The demonstration on Direct Seeded Rice shall be laid most preferably in Rainfed areas.
- g. AAOs should collect the application from the farmers in the prescribed format who are involved in demonstration with a certificate along with date of sowing for claim of assistance enclosing chitta adangal / FCMS.
- h. AAOs and AOs/ Dy AOs should verify the area of Direct sowing within 15 days after sowing of Bund Crop and recommend for subsidy.
- i. Regarding *Pseudomonas fluorescens*, ADA should place indent to nearest Bio control Laboratory and distribute through AECs.
- j. An amount of Rs 800/- per ha shall be utilised for preparation of Publicity Material / Documentation, Organizing Field Day and Visit of Scientists/GOI/ State Officials during the entire cropping period.
- k. Saving in one component may be utilised for another component.

Component – I (ii)	Cluster Demonstration on Stress Tolerant Varieties
Rate of assistance	Rs 7500 per Ha

The cost split for this demonstration may be as per Component I (i) or as detailed below:

I.ii.a. Cost Split for Cluster Demonstration on Line Transplanting/SRI

The item-wise breakup for the demonstration is as follows:

S.No	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1	Seed	20 Kg/ha @ Rs.37/Kg	Department	740
2	Organic Manure	12.5 Kg @Rs.260/Kg	Department /Private	3250
3	Cono weeder	1no.		1650
4	Border crop- Red gram	2kg/ha	Department	200
5	Paddy Micronutrient mixture	12.5 kg/Ha @ 45/Kg	Department	560
6	Liquid bio fertilizer			300
7	a. Azospyrillum	500 ml/ha		
	b. Phosphobacteria	500 ml/ha		
8	Contingencies			
	i. Publicity/Documentation			250
	ii. Field Day			250
	iii. Scientist/GOI/State official visit			300
	Total			7500

Subsidy is limited to Rs. 7500 /- per Ha

- a) Soil test should be carried in all demonstration plots.
- b) All demonstration plots should be Geo tagged.
- c) Notified varieties less than 10 years are only eligible for the demonstration.
- d) Foundation or Certified Seeds shall be used for the demonstration.
- e) All improved package of practices shall be followed in the demonstration field.
- f) The demonstration on SRI/line transplanting shall be laid in irrigated area.
- g) AAOs should collect the application from the farmers in the prescribed format who are involved in demonstration with a certificate along with date of sowing for claim of assistance enclosing chitta adangal / FCMS.
- h) AAOs and AOs/ Dy AOs should verify the area of Machine Planting within 15 days after transplanting and sowing of Bund Crop and recommend for subsidy.
- i) An amount of Rs 800/- per ha shall be utilised for preparation of Publicity Material / Documentation, Organizing Field Day and Visit of Scientists/GOI/ State Officials during the entire cropping period.
- j) Saving in one component may be utilised for another component.

Component – I.(iii)	Cropping System Based Demonstration – Rice - Pulses
Rate of assistance	Rs 12500 per Ha

Subsidy amount of Rs.12500/- per ha will be given to the farmers who cultivate Paddy followed by Pulses. The subsidy is Rs. 7500/- per ha for Paddy and Rs 5000 per ha for pulses. The break up for Rs. 7500/- per Ha for demonstration of Paddy is same as mentioned in component I (i) and II (ii-a).

- The subsidy amount for Rs. 12500/- per ha shall be given to the farmers who cultivate Paddy followed by **Pulses** in the same field.
- Pulses (Blackgram) Area covered under this component should not be covered under NFSM (Pulses) or under any other demonstration.
- The assistance for Paddy is Rs 7500/- per ha and Rs 5000/- per ha. for Pulses (Blackgram). The break up for Rs.7500/ ha for demonstration of Paddy is same in the component I (i) and II (ii-a).

Cost Split for Pulses (Black gram) Demonstration

S.No	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1	Seed	20 kg	Department	2000
2	Pulses MN Mixture	5 Kg		500
3	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 ml + 500 ml		300

4	Pusa hydrogel (0.1 ha)	250 g	Department /Private	450
5	Foliar spray of Nutrients (including cost for 2 sprayings)	25 Kg		2000
	Total			5250

Subsidy is limited to Rs. 5000 /- per Ha

1. Soil test should be carried in all demonstration plots.
2. All demonstration plots should be Geo tagged.
3. AAOs should collect the application from the farmers in the prescribed format who are involved in demonstration with a certificate along with date of sowing for claim of assistance enclosing Chitta adangal/ FCMS.
4. The farmers should produce the bills for purchase of Fertilizer for foliar sprays
5. AAOs and AOs/Dy AOs should verify the area of sowing within 15 days after sowing and recommend for assistance.
6. Subsidy shall be released after completion of both demonstrations.
7. An amount of Rs 800/- per ha shall be utilised for organising Field Day and distribution of Publicity Material, Documentation and Visit of Scientists/GOI and State officials during the entire cropping system.
8. If any savings, any other innovative technology may be followed.

2. Seed Distribution - High Yielding Varieties seeds of Rice (for varieties older than 10 years & less than 10 years).

- a. Notified varieties older than and less than 10 years are eligible for the distribution subsidy as per target prescribed.
- b. Foundation and Certified class seeds should be distributed.
- c. Block ADA should stock the required quantity of certified seeds at AEC.
- d. Paddy seeds distributed to the farmers through AECs are alone eligible for distribution subsidy.

Rate of assistance	:	(a) For varieties older than 10 years - Rs 1000 / qtl. or 50% cost whichever is less (b) For varieties less than 10 years - Rs 2000 / qtl. or 50% cost whichever is less
Source of inputs	:	Department
Varieties		Less than 10 year old Varieties The varieties which are less than 10year of notification like Co51, TPS 5, Co50, TRY3, ADT49, TKM13, ADT50, CR1009 Sub-1, Co 52, ADT 51, ADT 53, VGD 1, MDU-6, RNR-15048 are eligible for subsidy under the component seed distribution of less than 10 year varieties. More than 10 Year Old Varieties The varieties which are more than 10year of

	notification like ADT(R) 45, ADT(R) 46, ADT(R) 48, CR 1009, TPS 3, TKM 11, MDU 5, PMK (R) 3, TRY 1, TRY 2, ASD 16, ASD 18, ASD 19, improved white ponni, Co 43, ADT 36, ADT 37, ADT 38, ADT 39, ADT 43, ANNA (R) 4, Paiyur 1, JGL 1798, BPT 5204, NLR 34449, Swarna Sub 1, MTU 7029, DRR Dhan 45 are eligible for subsidy under the component seed distribution of more than 10 year varieties.
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3. Plant and Soil Protection Management

Component	:	Distribution of Paddy Micro Nutrient Mixture, Plant Protection chemicals & Bio- agents and Weedicides
Rate of assistance	:	Rs 500 /- per Ha. or 50% cost whichever is less for Paddy Micro Nutrient , Rs 500 /- per Ha. or 50% cost whichever is less for Plant Protection Chemicals & Bio- agents Rs 500 /- per Ha. or 50% cost whichever is less for Weedicides
Source of inputs	:	i) Paddy Micro Nutrient mixture- Department ii) Plant Protection chemicals & Bio- agents – Private/ Department iii) Weedicides - Private

- The Micro Nutrients shall be applied as basal/foliar method based on the recommendations of ICAR / TNAU.
- ADAs should make necessary indent to respective production center in advance and ensure that inputs are supplied in time.
- Farmers who purchase the Plant Protection Chemicals and Weedicides on or after 1.4.2021 are only eligible. This assistance should be given to the farmers who have not been benefitted under any other schemes
- ADAs should ensure that beneficiaries have raised paddy and the inputs are utilized for Paddy crop before releasing the subsidy through ECS.

4. Flexi Components (a) Water application Tools

Incentive for Pumpsets

Component	:	Distribution of Pumpsets
Rate of assistance	:	Rs 10000 /- per unit or 50% cost whichever is less
Source of inputs	:	AED Empanelled Firms

4.(b) Cropping System Based Training

Component	:	Cropping System Based Training
Rate of assistance	:	Rs 14000 /- per training as per NFSM Norms – Four sessions @ Rs 3500 /- per session – 30 Participants

- Training shall be organized for cropping system-based approach.

- Four sessions of each training, one at the beginning of Kharif & Rabi season and one each during Kharif & Rabi season shall be organized.
- The training shall be imparted by Crop/Subject Matter Specialists of TNAU/KVKs on Crop Management (agronomic and plant protection practices) including primary processing of produce, storage etc.,
- A group of 30 participants/farmers in each session shall be invited and the participants for all the four sessions shall be same.

Regarding the distribution of seeds, in addition to high yielding varieties of less than and more than 10 yrs, focus on biofortified varieties shall also be given based on the availability of seeds.

For all the components viz., Cluster demonstrations, Distribution of MN mixture, plant protection chemicals, bio agents and weedicides, Pumpsets and training, prioritization should be given to all the selected villages under Kalaingarin All Village Integrated Agriculture Development Programme (KAVIADP) as per the component wise target communicated. As per the announcement made in Agriculture Budget 2021-22, 30 % under seed component, 100% under demonstration and other components should be dovetailed to KAVIADP villages.

Moreover under Seed distribution component, 240 MT of more than 10 year old varieties and 630 MT of less than 10 year old varieties have been dovetailed for Kuruvai Package Assistance 2021 in delta districts (Thanjavur, Nagapattinam, Mayiladuthurai, Thiruvarur, Cuddalore). Hence, the remaining allocated seed distribution target should be distributed to all the selected villages under Kalaingarin All Village Integrated Agriculture Development Programme. (KAVIADP)

If not implementable in KAVIADP, it may be implemented in other areas, by recording the reason.

National Food Security Mission – Pulses 2021-22

1. Demonstration on Improved technologies

Crop wise cafeteria of Demonstration

A. Pure crop cluster demonstration in Black gram and Green gram (100 Ha each)

Rate of assistance: Rs. 7500/ Ha

Varieties eligible: Less than 10yrs old varieties (Year of notification)

S. No	Inputs	Qty/ Ha	Total Cost/Ha (In Rs)
1	Seed @ Rs.100/ Kg	20 kg	2000
2	Organic Fertilizer (0.4 Ha)	5 Kg	1200
3	Trichoderma viridi	2.5 kg	350
4	Micro Nutrient Mixture for pulses	5 Kg	500

5	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 +500 ml	300
6	Pusa hydrogel (0.1 ha)	250 gms	450
7	Foliar spray of nutrients for enhancing Pulses Productivity (including spraying cost-2 spray)	25 Kg	2000
8	PP Chemicals	Need based	800
	Total		7600
Limited to Rs. 7500/Ha (Saving in one component may be utilised for another component)			

B. Pure crop cluster demonstration in Bengal gram

Rate of assistance: Rs. 7500/ Ha

Varieties eligible : Less than 10yrs old varieties

S. No	Inputs	Qty/ Ha	Total Cost/ Ha (in Rs)
1	Seed@ Rs.100/ Kg	40 kg	4000
2	Trichoderma viridi	2.5 kg	350
3	Micro Nutrient Mixture for pulses	5 Kg	500
4	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 +500 ml	300
5	Foliar spray of nutrients for enhancing Pulses Productivity (including spraying cost-2 spray)	25 Kg	2000
6	Organization of field day		250
7	Distribution of publicity material		250
	Total		7650
Limited to Rs. 7500/Ha (Saving in one component may be utilised for another component)			

C. Cropping system based demonstration: Groundnut followed by Black gram

Rate of assistance: Rs.15000/ Ha

Varieties eligible: Less than 10yrs old varieties of Black gram & Groundnut

S.No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)
Black gram			
1	Seed @Rs.100/Kg	20 Kg	2000

2	Trichoderma viridi	2.5 kg	350
3	Liquid Bio fertilizers (Phosphobacteria + Rhizobium)	500 ml +500 ml	300
4	Pusa hydrogel (0.1 ha)	250 gms	450
5	PP Chemicals	Need based	800
Groundnut			
6	Seeds @ Rs.94/Kg	200 kg/ha subsidy for 100 Kg	9400
7	Seed treatment with T.viridi @ 4 g//Kg of seed	800 gm/ha	110
8	Gypsum -Rs.3.5 /kg	400 Kg/Ha	1400
9	Organisation of field day		250
Grand Total (Blackgram - Groundnut)			15060
Limited to Rs. 15000/Ha in one component may be utilised for another component)			(Saving
Component	:	2.Assistance for production of seeds	
Rate of assistance	:	Rs.25/- per Kg	
Varieties eligible	:	Less than 10 yrs old varieties of Blackgram, Greengram, Redgram as per the target given. Preference may be given for TNAU released varieties	
Recommendation	:	Maximum of 2 Ha/ farmer/year. Hence more seed producers will be encouraged.	
Districts	:	All districts except Chennai and The Nilgris.	
General Instructions	:	❖ All the seed farm growers raising less than 10 years old varieties of Foundation and certified seeds and registered with department are eligible to avail the subsidy. The incentive will be provided to the farmers who produce and supply seeds to TANSEDA on or after 01.04.2021.	

Component	:	3. Assistance for Distribution of seeds
Rate of assistance	:	Rs.50/- per Kg or 50% of the cost whichever is less for less than 10 years old varieties and Rs.25/ Kg or 50% of the cost whichever is less for more than 10 years old varieties

Varieties eligible	: Less than 10 yrs old varieties of Blackgram and Greengram, and more than 10 years old varieties of Redgram, Blackgram, Green gram and Other Pulses (cowpea/Horse gram/Bengal gram) as per the target given. Preference may be given for TNAU released varieties. Less than 10 year old Varieties Blackgram- VBN 6, VBN 7, VBN 8, VBN 9, VBN10, ADT6, KKM 1, MDU 1, VBN11 and TU 40 Green Gram - CO 8, VBN 4 Red Gram - CO 8, BRG 4, BRG 5, LRG 52 Bengal Gram - NBeG 3, NBeG 47, NBeG 49, NBeG 119 Groundnut (For Cropping System based Demonstration – Groundnut followed by Blackgram) - CO 6, CO 7, Dharani, ICGV 00350, GJG 9 (J 69), VRI 8, ALG 06 320, TMV 14, GJG 31, GJG 32, BSR 2, GG 34 More than 10 year old Varieties Redgram –BRG -2, LRG 41, TT 401, VBN 3, BRG 1, Co RG 7, TJT 501 and CO 6 Blackgram - ADT 5, ADT 3, VBN 5, CO 6, IPU 0243, VBN 4, VBN 3, MASH 114 and PU 31. Greengram - VBN 3, IPM 023, CO 7 / CO(GG) 912, VBN 2, CO 6 and ADT 3 Cowpea - CO (CP)7, Pusa 152, PL 1 and PL 2 Horsegram - Paiyur 1 and Paiyur 2 Bengalgram - Jaki 9218, JG 11, CO 4, JG 14 and BGD 103
Recommendation	: Maximum of 2 Ha/ farmer/year.
Districts	: All districts except Chennai and Nilgris.
General Instructions	: ADAs should procure the seeds as per guideline and distribute from respective AECs

Component	: 4.Integrated Nutrient Management
Rate of assistance	: a. Pulses Micronutrient Mixture @ Rs.500/ ha. (or) 50% of the cost whichever is Less, b. Biofertilizers @ Rs.300/ Ha or 50% of the cost whichever is less
Source of inputs	: Department

Recommendation	:	Maximum of 2 Ha/ farmer/year.
Districts	:	All districts except Chennai and Nilgris.
General Instructions	:	ADAs should make necessary indent to nearby production center in advance and ensure that inputs are supplied in time. Physical target may be increased without exceeding financial allocation.

Component	:	5. Plant Protection Management (IPM)
Rate of assistance	:	PP chemicals @ Rs.500/ ha. or 50% of the cost whichever is less
Source of inputs	:	Back ended subsidy
Recommendation	:	Maximum of 2 Ha/ farmer/year.
Districts	:	All districts except Chennai and Nilgris.
General Instructions	:	<ul style="list-style-type: none"> • AAO should get the application from genuine, needy pulses growing farmers and obtain the bills from farmers for the purchase of PP Chemical from licensed firms for the Pulses crops raised. • ADAs should ensure that beneficiaries have raised pulses and the PP chemical is utilised before releasing the subsidy through ECS.
Component	:	4. (a). Farm Implements & Equipments – SMAM norms
Rate of assistance	:	<ol style="list-style-type: none"> 1. Rotavator (Tractor driven above 35 BHP)– @ Rs.42000/- per No. or 50% of the cost whichever is less for SC, ST, Small, Marginal and Women farmers 2. Rotavator (Tractor driven above 35 BHP)– @ Rs.34000/- per No. or 40% of the cost whichever is less for other farmers 3. Battery Operated / Power sprayer – @ Rs.3800/- per No. or 50% of the cost whichever is less for SC, ST, Small, Marginal and Women farmers (Above 12-16 Litres) 4. Battery Operated / Power sprayer – @ Rs.3000/- per No or 40% of the cost whichever is less for other farmers ((Above 12-16 Litres)

Source of inputs	:	AED empanelment or Approved manufacturer/ Dealer through back ended subsidy
Districts	:	All districts except Chennai and The Nilgris.

Component	:	6. Efficient water application tools
Rate of assistance	:	Pipes for carrying water from source to field - PVC pipes @ Rs.35/- per Meter or 50% of the cost whichever is less limited to Rs.15000/- per beneficiary
Source of inputs	:	JDA / ADA will distribute the above components as per AED /TANHODA approved rate contract.
Recommendation	:	As per PMKSY guidelines.
Districts	:	All districts except Chennai and Nilgris.
General Instructions	:	<ul style="list-style-type: none"> ➤ AAOs should get the application forms from the pulse cultivating farmers along with demand draft for farmers contribution. ➤ Farmers should be given preference to select the Pipe manufacturer 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 to the firms only after the verification by JDA/DDA.
Component	:	7. Cropping system based training (Four sessions i.e one before Kharif and Rabi season and one in each during Kharif and Rabi season)
Rate of Assistance	:	As per NFSM guideline (Rs.14000/ Training).
Source of inputs	:	Concerned block ADAs under the Supervision of DDA (GOI) and JDA, should conduct the training.
Recommendation	:	One training at the beginning of Kharif and Rabi season, one training each during Kharif and Rabi season.
Districts	:	All districts except Chennai and Nilgris

Guidelines

- Pre season training should be organized before the start of Kharif and Rabi season in all the districts & item wise break up of cost norms as already detailed.
- Consultants and Technical Assistants recruited under NFSM should be involved in the training programme.
- Training should cover the farmers from the potential pulses cultivable area as well as new area where pulse cultivation can be introduced.
- All the improved technologies followed in System of Pulses Intensification (SPI) village concept should be incorporated in the printing material along with market information and value addition. During the training, preparation of foliar spray solution, seed treatment etc., should also be demonstrated. Information on Value addition and marketing of pulses should also be included in the training to create awareness.
- Technical guidance may be availed from nearby TNAU/ KVK/ RRS. Scientists may be invited for Training.
- Proper documentation should be done for each training.
Block wise date of conduct of training should be planned in advance and district wise consolidated details should be intimated to this office without fail.

Local Initiatives:

Component	:	8. Growing Pulses on bunds of all Agriculture crops
Rate of assistance	:	Rs.150/- per Ha. or 50% of the total cost of the seeds whichever is less
Source of inputs	:	Department
Recommendation	:	Maximum of 2 Ha/ farmer/year.
Districts	:	As per the target given under NFSM pulses
General Instructions	:	<ul style="list-style-type: none"> ❖ The AAOs concerned should verify and ensure that the seeds distributed under this component have been used for raising Pulses as bund crop. ❖ Area of pulses covered under bund cropping should be reconciled without fail. ❖ The consultants and technical assistants recruited under Pulses should also verify a minimum of 10% of bund crop raised in the respective districts in person and report to this office without fail.
Component	:	9. Distribution of Movable threshing floor/ Tarpaulin

	<p>Component : Local Initiative – Distribution of Mobile threshing floor/Tarpaulins.</p> <p>Rate of assistance : Rs.1500/- per No. or 50% cost whichever is less.</p> <p>Source of Inputs : Department</p> <p>Implementing Districts : As per the target given under NFSM Pulses</p> <p>Guidelines</p> <ul style="list-style-type: none"> • The Tarpaulins should be of HDPE laminated tarpaulin of 6Mtrs X 5 Mtrs size (250 GSM) in dimension with ISI mark. • The District JDA/DDA(GOI)/ADAs should assess the required quantity of Tarpaulins and make necessary arrangements to procure the same through District Level Agricultural Procurement Committee (DLAPC). • ADAs should procure the Tarpaulins and the receipt of stock at AEC should be verified and AAOs and AOs/Deputy AOs / will distribute Tarpaulins duly collecting the farmer contribution with application form. The balance subsidy amount will be claimed along with the farmer contribution and the total amount should be paid to the concerned firm.
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9. Assistance for Redgram transplantation

Rate of assistance	:	Rs.3200/- per Ha
Recommendation	:	Maximum of 2 Ha/ farmer/year.
Source of inputs	:	Department & Back ended subsidy
Districts	:	Vellore, Tirupathur, Ranipet, Tiruvannamalai, Salem, Dharmapuri, Krishnagiri, Erode and Tiruchirapalli,
Varieties eligible	:	Less than 10 yrs old varieties

Guideline for Redgram transplantation

Department subsidy: Seed, Trichoderma viridi, Liquid Bio – fertilizer.

Back ended subsidy: Poly bags, Preparation and filling up of Pot culture (FYM, Sand, Soil), Maintenance of Nursery (Watering, Weeding) and Nipping

S. No	Inputs	Qty/ Ha	Total Cost/Ha	Subsidy amount (in Rs.)
			Value (in Rs.)	
1	Seed @ Rs.100/ Kg	2.5 kg	250	125
2	Poly bags(5''x3'')	6250 Nos	1,200	600
3	Preparation and filling of Pot Culture (FYM, Sand, Soil)	Need based	1,500	750
4	Trichoderma Viridi	2.5 kg	350	175
6	Liquid Bio fertilizer (Phosphobacteria + Rhizobium)	500 +500 ml	300	150
7	PP Chemicals	Need based	800	400
8	Maintenance of Nursery (watering, Weeding, Thinning) and Nipping	Need based	2,000	1000
Grand total			6,400	3,200
(Saving in one component may be utilised for another component)				

- i. For availing back ended subsidy by farmers, the AAOs should obtain the farmers details in separate application form with genuine bills, duly verifying the bank name, account number and IFSC code.
- ii. The beneficiary should produce the Photo evidence during and after implementation for availing the back – ended subsidy.
- iii. Back-ended subsidy shall be released within 60 days from the receipt of related documents.

NATIONAL FOOD SECURITY MISSION – COARSE -
CEREALS (MAIZE) – 2021-22

S.No.	Crop	Area of Operation – District
1	Maize	Perambalur, Salem, Dindigul, Thoothukudi, Tiruppur, Virudhunagar, Cuddalore, Kallakurichi & Erode .

1. Demonstrations

Rate of assistance : **Rs.6,000/- per demo per Ha**

Implementing Districts : Perambalur, Salem, Dindigul, Thoothukudi, Tiruppur, Virudhunagar, Cuddalore, Kallakurichi & Erode.

1.(a) Demonstration on Improved Packages (Maize)

Rate of assistance : **Rs.6000/- per demo per Ha**

Sl. No	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1	MN Mixture	12.5 kg/ha	Department	1,063.00
2	Liquid Bio Fertilizer			
a)	Azospirillum	0.5 lit / ha		300.00
b)	Phosphobacteria	0.5 lit/ha		
3	Seed treatment with <i>Beauveria bassiana</i>	200g/ha @ Rs 40/200g		40.00
4	Spraying with <i>Metarhizium anisopliae</i>	4 Kg/ha @ Rs 135/Kg		540.00
5	Contingencies			500.00
6	Organic Manure	12.5 Kg/Ha	Govt/Private	3,250.00
7	Pusa hydrogel(0.1Ha of demo area)	250 gms		450.00
	Total			6,143.00

(Limited to Rs.6,000/-)

1 (b). Demonstrations on Intercropping

Rate of assistance **Rs. 6,000/- per demo per Ha**

Implementing Districts : Perambalur ,Salem, Dindigul, Thoothukudi, Tiruppur, Virudhunagar,Cuddalore, Kallakurichi & Erode .

1. (b)(i)& (ii) Demonstration on Intercropping (Maize with Black Gram & Green Gram)

Sl.No.	Input	Quantity	Source of Supply	Amount (Rs / ha)
1.	Organic Manure	12.5 Kg/ha	Govt/Private	3,250.00
2.	Pusa hydrogel (0.1Ha of demo area)	250 gms		450.00
3.	Millet MN Mixture	12.5 kg/ha		1,063.00
4.a)	Liquid bio fertilizer- Azospirillum	0.5 lit / ha		300.00
b)	Phosphobacteria	0.5 lit/ha		
4	Seed treatment with Beauveria bassiana	200g/ha @ Rs 40/200g	Department	40.00
5	Spraying with Metarhiziumanisopliae	4 Kg/ha @ Rs 135/Kg		540.00
6.	Pulses seed	5 Kg/ha		500.00
7	Contingencies			500.00
	Total			6,198.00

(Limited to Rs.6,000/-)

- Soil samples should be drawn in the demo field well in advance and fertilizer should be applied as per the recommendation in the soil health card.
- All inputs specified for organizing demonstration are mandatory and saving in one input may be utilized for other input or physical number of demonstration may be increased without exceeding the cost per demonstration.
- AAOs should collect the application from the farmers in the prescribed format with a certificate along with date of sowing for claim of assistance enclosing Chitta adangal/ FCMS. .
- AAOs and AO's/ Deputy AO's should verify the area of sowing within 15 days after sowing and recommend for assistance and subsidy should be released after completion of demonstration.

- Geo tagging/Geo fencing should be done for all demonstration fields.
- Subsidy shall be released after completion of both demonstrations

a) If any savings, any other innovative technology may be followed.

2 .a. Distribution of Certified Seeds - Hybrid Seeds of Maize:

Rate of assistance	:	Hybrid seeds Rs. 100/- per Kg or 50% whichever is less
Hybrids	:	All departments and Seed Producing Agencies (NSC/ TANSEDA/ TNAU /SAUs/ ICAR Institution) are eligible. Subsidy for Hybrid seed component under Maize - COHM 8, COHM 6
Source of inputs	:	Department of Seed Producing agencies (NSC/ TANSEDA/TNAU/ SAUs/ICAR/ Institution
Implementing Districts	:	Perambalur ,Salem, Dindigul, Thoothukudi, Tiruppur, Virudhunagar, Cuddalore, Kallakurichi & Erode .

3. a. Plant & Soil protection Management

Rate of assistance	:	Plant Protection Chemicals and Bio agents @ Rs. 500/- per Ha.
Source of inputs	:	Plant Protection Chemicals and Bio agents (Govt/Private)
Recommendation	:	Maximum of 2 Ha /- per farmer
Implementing Districts	:	Perambalur ,Salem, Dindigul, Thoothukudi, Tiruppur, Virudhunagar,Cuddalore, Kallakurichi & Erode

- Farmers who purchase the Plant Protection Chemicals after 1.4.2021 are only eligible. This assistance should be given to the farmers who have not been benefitted under any other schemes
- ADAs should ensure that beneficiaries have raised Maize crop and plant protection chemical is utilized before releasing the subsidy through ECS.

Priority for Kalaingar's All Village Integrated Agricultural Development Scheme: (KAVIADP) – NFSM - Coarse Cereals

Priority should be given to villages selected under Kalaingar's integrated all village agricultural development scheme under all the components.

Component wise percentage dovetailed to the Kalaingar's integrated all village agricultural development scheme is given below.

Priority should be given in the KAVIADP villages with focus on 100% of the target for demonstrations, 25% for hybrid and HYV seed distribution (less than and more than 10 years), 50 % for Certified seed production, MN mixture distribution, Bio-fertilizer distribution and Integrated Pest Management, 25% for distribution of Manual sprayers, 58 % for cropping system based training and Road show and 66% for publicity should be dovetailed to the villages allocated under Kalaingar's scheme in accordance with the Hon'ble Agricultural Minister's Agriculture Budget Speech – 2021 -22 and the remaining target may be implemented in the non-operational area of Kalaingar's scheme.

If any component is not implemented as earmarked in KAVIADP villages, appropriate reasons should be recorded and may be implemented in other areas. Scheme has to be implemented on time and achieved fully without shortfall. Monthly progress should be updated promptly in ARS portal for review by APC and secretary to Government and Director of Agriculture.

NATIONAL FOOD SECURITY MISSION – NUTRI CEREALS 2021-22

S. No	Crop	Area of Implementing Districts
1	Sorghum, Cumbu, Ragi, Kudiraivali and Samai	1.Coimbatore 2. Dharmapuri 3. Dindigul 4. Erode 5.Karur 6.Krishnagiri 7. Madurai 8.Namakkal 9. Salem 10.Thoothukudi 11.Trichy 12. Tiruppur 13.Villupuram 14.Kallakurichi 15.Virudhunagar

1. Cluster Front Line Demonstration (Sorghum, Cumbu, Ragi, Kudhiraivali, Thenai, Samai and Varagu)

Rate of assistance	:	Rs.6,000/- per demo per Ha
Implementing Districts	:	<p>Sorghum: Coimbatore, Dharmapuri, Dindigul, Karur, Krishnagiri , Madurai, Namakkal, Salem, Thoothukudi, Trichy, Tiruppur and Virudhunagar.</p> <p>Cumbu: Coimbatore, Dharmapuri, Dindigul, Karur, Krishnagiri, Madurai, Salem, Thoothukudi, Trichy, Tiruppur, Villupuram, Kallakurichi, Virudhunagar.</p> <p>Ragi: Dharmapuri, Erode, Karur, Krishnagiri, Namakkal, Salem, Thoothukudi, Villupuram.</p> <p>Kudiraivali : Krishnagiri, Madurai, Salem, Thoothukudi, Virudhunagar.</p> <p>Samai:</p>

		Dharmapuri, Karur, Krishnagiri, Namakkal, Salem. Thenai Namakkal, Salem, Villupuram, Kallakurichi, Virudhunagar. Varagu Dharmapuri, Madurai, Salem, Villupuram, Kallakurichi.
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1. i) Demonstration on improved packages- Sorghum

Sl. No.	Input	Quantity	Source of Supply	Amount (Rs./ha)
1.	Seed	10 Kg/ha	Department	630.00
2	Pseudomonas	10 g / Kg of seeds		20.00
3	MN Mixture	12.5 kg/ha @ Rs.85/Kg		1,063.00
4	Liquid Bio Fertilizer			
	Azospirillum	0.5 lit / ha		300.00
	Phosphobacteria	0.5 lit/ha		
5	Pusahydrogel(0.1Ha of demo area)	250 gms	Dept/Pvt	450.00
6	Organic Manure	12.5 Kg/Ha @ Rs.260/Kg		3,250.00
7	Contingencies			300.00
	Total			6,013.00

(Limited to Rs.6,000/-)

1. ii) Demonstration on improved packages - Cumbu

Sl. No.	Input	Quantity	Source of Supply	Amount (Rs./ha)
1	Seed	5 Kg/ha	Department	440.00
2	Pseudomonas	10 g / Kg of seeds		20.00
3	MN Mixture	12.5 kg/ha @ Rs.85/Kg		1,063.00
4	Liquid Bio Fertilizer			
	Azospirillum	0.5 lit / ha		300.00
	Phosphobacteria	0.5 lit/ha		

5	Pusa hydrogel(0.1Ha of demo area)	250 gms	Dept/Pvt	450.00
6	Organic Manure	12.5 Kg/Ha @ Rs.260/Kg		3,250.00
7	Contingencies			500.00
	Total			6,023.00

(Limited to Rs.6,000/-)

1.iii .Demonstration on improved packages- Ragi

Sl.No.	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1	Seed	5 Kg/ha	Department	420.00
2	Pseudomonas	10 g / Kg of seeds		20.00
3	MN Mixture	12.5 kg/ha @ Rs.85/Kg		1,063.00
4	Liquid Bio Fertilizer			
	Azospirillum	0.5 lit / ha		300.00
	Phosphobacteria	0.5 lit/ha		
5	Pusa hydrogel (0.1Ha of demo area)	250 gms	Dept/Pvt	450.00
6	Organic Manure	12.5 Kg/Ha @ Rs.260/Kg		3,250.00
7	Contingencies			500.00
	Total			6,003.00

(Limited to Rs.6,000/-)

1. iv. Demonstration on improved packages- Kudiraivali & Varagu

Sl. No.	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1.	Seed	10 Kg/ha	Department	600.00
2	Pseudomonas	10 g / Kg of seeds		20.00
3	MN Mixture	12.5 kg/ha @ Rs.85/Kg		1,063.00
4	Liquid Bio Fertilizer			
	Azospirillum	0.5 lit / ha		300.00
	Phosphobacteria	0.5 lit/ha		
5	Pusa hydrogen I(0.1Ha of demo area)	250 gms	Dept/Pvt	450.00

6	Organic Manure	12.5 Kg/Ha @ Rs.260/Kg		3,250.00
7	Contingencies			500.00
Total				6,183.00

(Limited to Rs.6,000/-)

v. Demonstration on improved packages- Samai and Thenai

Sl.No.	Input	Quantity	Source of Supply	Amount (Rs.)/ha
1.	Seed	10 Kg/ha	Department	800.00
2	Pseudomonas	10 g / Kg of seeds		20.00
3	MN Mixture	12.5 kg/ha @ Rs.85/Kg		1,063.00
4	Liquid Bio Fertilizer			
	Azospirillum	0.5 lit / ha		300.00
	Phosphobacteria	0.5 lit/ha		
5	Pusa hydrogen I(0.1Ha of demo area)	250 gms	Dept/Pvt	450.00
6	Organic Manure	12.5 Kg/Ha @ Rs.260/Kg		3,250.00
7	Contingencies			300.00
Total				6,183.00

(Limited to Rs.6,000/-)

- Soil samples should be drawn in the demo field well in advance and fertilizer should be applied as per the recommendation in the soil health card.
- All inputs specified for organizing demonstration are mandatory but saving in one input may be utilized for other input or physical number of demonstration may be increased without exceeding the cost per demonstration.
- Nutri Cereals varieties notified less than 10 years varieties shall be distributed through department.
- AAOs should collect the application from the farmers in the prescribed format who are involved in demonstration with a certificate along with date of sowing for claim of assistance enclosing Chitta adangal/ FCMS.
- Geo tagging/Geo fencing should be done for all demonstration fields.

2. (a) Distribution Subsidy for Hybrid Seeds-Sorghum & Cumbu

Rate of assistance	:	Hybrid seeds - Rs.10000/ qtl. (or) 50% of the seed cost whichever is less
Hybrids	:	All recognized Seed Producing Agencies (NSC/TANSEDA/TNAU/ ICAR Institution) are eligible.

Source of inputs	: All recognized Seed Producing Agencies (NSC/TANSEDA/TNAU/ ICAR Institution)
Implementing Districts	Hybrid seeds of Sorghum: Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Trichy, Karur, Madurai, Dindigul, Virudhunagar and Thoothukudi.

- Subsidy for Hybrid seeds of nutritive variety (Jowar and Bajra) may be claimed based on receipt of bills produced by farmers along with application and due verification of cultivation and certificate of recommendation.

2. (b) Distribution of HYV Seeds :

Rate of assistance	: HYV seed – (for varieties < 10 years) - Rs.3000/qtl. HYV seed – (for varieties > 10 years) - Rs.1500/qtl. (or) 50% of the seed cost whichever is less
Varieties	: All National / TNAU Millet varieties which are less than 10 years old and more than 10 year old varieties are eligible. Less than 10 years old Varieties Cholam - CO 30, K 12, CO 32, PSV 56(Dual Purpose) Cumbu - Dhansakthi, CO 10, ABV 04, PUSA COMPOSITE 612. Ragi - CO 15, KMR 301, CO 14. Samai - ATL 1 Tenai - ATL 1 Kudiraivali - MDU 1 Varagu - Indira Kodo, TNAU 86 Panivaragu - ATL 1 More than 10 Years Old Varieties Cumbu - GPU 67, CO 13, Paiyur 2, ML 365 Samai - CO4 Tenai - CO 7 Kudiraivali - CO KV2 Varagu - CO3 Panivaragu - CO (PV) 5
Source of inputs	: All recognized Seed Producing Agencies (NSC/TANSEDA/TNAU/ ICAR Institution)
Implementing Districts	: (a) HYV s seed of Sorghum(for varieties< 10 years and> 10 years) :Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Trichy, Karur, Madurai, Dindigul, Virudhunagar and Thoothukudi (b) HYV s seed of Cumbu (for varieties< 10 years and > 10years) :Villupuram, Kallakurichi, Salem, Dharmapuri, Krishnagiri, Trichy, Karur, Madurai, Dindigul, Virudhunagar and Thoothukudi

	<p>(c) HYV s seed of Ragi (for varieties < 10 years and > 10 years) : Villupuram, Salem, Namakkal, Dharmapuri, Krishnagiri, Erode, Karur and Thoothukudi</p> <p>(d) HYV s seed of Kudhiraivali (for varieties < 10 years and > 10 years) : Salem, Kriushnagiri, Madurai, Virudhunagar and Thoothukudi</p>
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3. Certified Seed Production of HYVs seeds of Jowar, Bajra , Ragi & Kudhiraivali - (< 10 years old varieties) :

Rate of assistance	: Rs. 3000/qtl.
Varieties	: All National / TNAU Millet varieties which are less than 10 years old varieties are eligible. Less than 10 years old Varieties Cholam - CO 30, K 12, CO 32, PSV 56(Dual Purpose) Cumbu - Dhansakthi, CO 10, ABV 04, PUSA COMPOSITE 612. Ragi - CO 15, KMR 301, CO 14. Samai - ATL 1 Tenai - ATL 1 Kudiraivali - MDU 1 Varagu - Indira Kodo, TNAU 86 Panivaragu - ATL 1
Guidelines	: All seed farm growers supplying less than 10 years old Certified seeds to department are eligible to avail the subsidy.
Implementing Districts	: Sorghum :Salem, Namakkal, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Trichy, Karur, Madurai, Dindigul, Virudhunagar and Thoothukudi. b. Cumbu : Villupuram, Kallakurichi, Salem, Dharmapuri, Krishnagiri, Coimbatore, Tiruppur, Trichy, Karur, Madurai, Dindigul, Virudhunagar and Thoothukudi. c.Ragi :Villupuram, Salem, Namakkal, Dharmapuri, Krishnagiri, Erode, Karur and Thoothukudi d. Kudiraivali : Salem, Krishnagiri, Madurai, Virudhunagar and Thoothukudi

4. Integrated Nutrient Management (INM) – (Micro Nutrient & Bio- Fertilizer)

Rate of assistance	: Micro Nutrient @ Rs. 500/Ha. Bio Fertilizer @ Rs. 300/Ha
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Source of inputs	:	Department
Recommendation	:	Maximum of 2 Ha /farmer
Implementing Districts	:	Coimbatore, Dharmapuri, Dindigul, Erode, Karur, Krishnagiri, Madurai, Namakkal, Salem, Thoothukudi, Trichy, Thiruppur, Villupuram, Kallakurichi and Virudhunagar.

5. Integrated Pest Management (IPM)

Rate of assistance	:	Plant Protection Chemicals and Bio agents @ Rs. 500/Ha. Weedicides @ Rs 500/ Ha
Source of inputs	:	Weedicides and Plant Protection Chemicals and Bio agents (Gov/Private)
Recommendation	:	Maximum of 2 Ha /farmer
Implementing Districts	:	Coimbatore, Dharmapuri, Dindigul, Erode,,Karur, Krishnagiri, Madurai, Namakkal, Salem,Thoothukudi, Trichy,Thiruppur, Villupuram ,Kallakurichi and Virudhunagar

- The Micro Nutrients shall be applied based on the recommendations of ICAR / TNAU.
- ADAs should make necessary indent to nearby production center in advance and ensure that inputs are supplied in time.
- Farmers who purchase the Plant Protection Chemicals and Weedicides on or after 1.4.2021 are only eligible. This assistance should be given to the farmers who have not been benefitted under any other schemes.
- ADAs should ensure that beneficiaries have raised Millets and the component is utilized before releasing the subsidy through ECS.

6. Flexi components - 6 (a) Farm Implements and Equipments

Rate of assistance	:	(a) Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers @ Rs. 750/- per Unit or 50% of the cost whichever is less (b) Manual Sprayer for Other Farmers @ Rs. 600/Unit or 40% of the cost whichever is less
Source of inputs	:	Manual Sprayer - AED Empanelled companies
Implementing Districts	:	Coimbatore, Dharmapuri, Dindigul, Erode,,Karur, Krishnagiri, Madurai, Namakkal, Salem,Thoothukudi, Trichy, Tiruppur ,Villupuram, Kallakurichi and Virudhunagar.

6.(b) Cropping System Based Training

The details given under General Guidelines of sub head No.10 about training can be referred.

Component	:	Cropping System Based Training
Rate of assistance	:	Rs 14000 /- per training as per NFSM Norms - Four Sessions i.e. one before Kharif and Rabi seasons, one each during Kharif and Rabi crops) @ Rs 3500 / session – 30 Participants
Implementing Districts	:	Coimbatore, Dharmapuri, Dindigul, Erode,,Karur, Krishnagiri, Madurai, Namakkal, Salem,Thoothukudi, Trichy, Tiruppur,Villupuram ,Kallakurichi and Virudhunagar

- Pre season training should be organized before the start of Kharif and Rabi season in all NFSM Nutricereals districts & item wise break up of cost norms as already detailed.
- Consultants and Technical Assistants recruited under NFSM should be involved in the training programme.
- Training should cover the farmers from the potential Millet cultivable area as well as new area where Millet cultivation can be introduced.
- All the improved technologies should be incorporated in the printing material along with market information and value addition. During the training, Micro Nutrient mixture application, seed treatment etc., should also be demonstrated. Information on Value addition and marketing of Millets should also be included in the training to create awareness on market intelligence.
- Technical guidance may be availed from nearby TNAU/KVK/ ARS. Scientists may be invited for Training.
- Proper documentation should be done for each training.
- Block wise date of conduct of training should be planned in advance and district wise consolidated details should be sent to this office without fail.

6.(c) Road Show:

Road shows will be organized at Block level in the 15 NFSM implementing districts. The Road shows will be conducted through Publicity Vehicle with Display Materials like Banners, Extension Materials for a day.

Sl. No.	Item	Amount (Rs. In lakhs)
1	Publicity through a Vehicle with Display materials like Banners, Extension Materials in all blocks of the district for a day	0.200
	Total	0.200

6. (d) Publicity

It is programmed to provide Rs. 1.00 lakh per NFSM implementing district to promote the cultivation of Millets for the following Publicity activities.

Sl. No.	Items	Amount in lakhs
1	Wall painting (10 Nos)	0.450
2	Booklets	0.250
3	Leaflets, Posters	0.300
	Total	1.000

Priority for Kalaingar's All Village Integrated Agricultural Development Scheme: (KAVIADP)

Priority should be given to villages selected under Kalaingar's integrated all village agricultural development scheme under all the components.

Component wise percentage dovetailed to the Kalaingar's integrated all village agricultural development scheme is given below.

Priority should be given in the KAVIADP villages with focus on 100% of the target for demonstrations, 25% for hybrid and HYV seed distribution (less than and more than 10 years), 50 % for Certified seed production, MN mixture distribution, Bio-fertilizer distribution and Integrated Pest Management, 25% for distribution of Manual sprayers, 58 % for cropping system based training and Road show and 66% for publicity should be dovetailed to the villages allocated under Kalaingar's scheme in accordance with the Hon'ble Agricultural Minister's Agriculture Budget Speech - 2021 - 22 and the remaining target may be implemented in the non-operational area of Kalaingar's scheme.

If any component is not implemented as earmarked in KAVIADP villages, appropriate reasons should be recorded and may be implemented in other areas. Scheme has to be implemented on time and achieved fully without shortfall. Monthly progress should be updated promptly in ARS portal for review by APC and secretary to Government and Director of Agriculture.

Draft guidelines for Targeting Rice Fallow Area (TRFA)-Pulses 2021-22

Targeting Rice Fallow Area for Pulses will be implemented at an outlay of Rs.3.03 crore.

1. Objective

The objective of the scheme is to utilize the Rice fallow areas by raising pulses in order to get maximum returns by the farmers by effective utilization of residual moisture and to increase the nitrogen content of the soil in the delta districts of Tamil Nadu

2. Strategy involved

- i. Ensuring the sowing of pulses at right time using certified high yielding varieties.
- ii. Adoption of INM and IPM technologies.
- iii. Ensuring proper pest control and required moisture at critical stages.
- iv. Avoid post harvest losses

3. Project Implementing Agency

Joint Director of Agriculture at district level and Assistant Director of Agriculture at block level will be responsible for implementation of various components of the scheme in time bound manner.

4. Area of Operation

The scheme will be implemented in the selected villages where the TRFA scheme was executed during 2019-20 and 2020-21 and regular NFSM scheme operation is not operated in the districts of Thanjavur, Tiruvarur, Mayiladuthurai, Cuddalore and Trichy.

Wherever the particular field is not feasible for taking up rice fallow pulses cultivation, neighbouring field can be selected for the current year.

5. Criteria for selection of Districts/ Villages

- i. Villages with area of more than 50 Ha under paddy cultivation shall be selected. This criteria shall be relaxed and extended to other villages in case if sufficient villages cannot be identified with this criteria.
- ii. Identified villages in selected districts should be uploaded both on the website of State and DAC & FW
- iii. A list of selected villages done by AAO should be verified and approved by the ADA. The genuineness of selection shall be verified by the district Deputy Director of Agriculture (GOI) and Joint Director of Agriculture.
- iv. **The intervention supported under the scheme will not be supported from NFSM Pulses in the selected villages to avoid duplication of resources.**
- v. Preference should be given for Kalaignarin All Village Integrated Agricultural Development Programme (KAVIADP).

6. COMPONENT SPECIFIC GUIDELINES

6.1. CLUSTER DEMONSTRATIONS ON IMPROVED PACKAGE OF PRACTICES

A. CRITERIA FOR SELECTING A DEMONSTRATION PLOT

- i. Demonstration of improved production technologies of pulses (by dividing the fields in two blocks, one for improved practices and the other for traditional / old practices (Control plot) in a cluster of 25 hectare or more)

would be organized in a cluster of around 50 ha in each village continuously for 3 years within the total allocation of 2.5 Lakh / year. In case of non availability of 50 ha area in a village, the cluster will be contiguous in the neighbouring villages

- ii. As far as possible, all farmers in a cluster should be included in a demonstration. For each farmer, minimum of 0.4 Ha (1acre) area should be included in the demonstration.
- iii. Demonstration site should be easily accessible to the farmers and the extension workers. It should not be on an isolated field. The selection of plots should be done as prescribed in the NFSM guidelines.
- iv. For individual farmer, the area under demonstration shall not be more than 2 ha

B. Awareness and Publicity

A field day should be organized at the stage of physiological maturity of the crop with participation of beneficiary and non beneficiary farmers from the neighbouring villages, scientist of TNAU / KVKs and leading extension workers from nearby districts.

C. Arrangement for critical inputs

- I. Seeds should be purchased by the farmers from the AECs.
- II. The district JDA / DDA (GOI)/ ADAs should assess the entire quantity of inputs to be supplied from Department for demonstrations and make necessary arrangements to procure the same.
- III. ADAs should procure the Seed, the receipt of stock should be verified and the cost of seed shall be directly adjusted in the TANSEDA account.
- IV. The farmer's contribution and subsidy adjustment amount should be credited in TANSEDA account for all the seeds procured and distributed through TANSEDA.
- V. The District JDAs should assess the quantity of inputs supplied through Department Production Centres and place indents accordingly to Central Control Lab, Kudumianmalai for MN Mixture, T.viridi to Bio Control Lab, liquid bio fertilizer/carrier based bio fertilizer to nearest Biofertilizer Production Units.

D. Reporting

- I. Results of the demonstrations should be compiled at block, district and state level.
- II. Results of the demonstrations should be compiled in the form of documents and photos, videos of demonstration along with beneficiary shall be taken for documentation / success story.
- III. The AAO should ensure proper documentation (including photo and impact of the interventions) of this component.

E. Monitoring

- I. District Consultants / Technical Assistants of NFSM should monitor the conduct of demonstrations throughout the cropping season and shall report the outcome in prescribed format to the district level Project Management Team (PMT).
- II. The beneficiaries under this component should be provided with critical inputs in the second year so as to sustain and support their activities in the succeeding years.
- III. Zonal officers from Headquarters should also randomly visit the beneficiaries and demonstration plots and ensure the proper implementation of the scheme.

TRFA – PULSES -2021-22 – COMPONENT WISE SPECIFIC GUIDELINES

General guidelines for organizing demonstrations / Back ended subsidy should be adhered to.

1. Cafeteria of Demonstration**Component: Pure crop Cluster Demonstration in Blackgram & Greengram**

Rate of assistance : Rs. 5000 / Ha

Varieties eligible : Less than 10 yrs old varieties

S. No	Inputs	Qty/ Ha	Total Cost/Ha (in Rs)	Source of inputs
1	Seed	20 kg	2,000	Department
2	Trichoderma viridi	2.5 kg	350	
3	Liquid Bio fertilizers (Phosphobacteria + Rhizobium)	500 ml + 500 ml	300	
4	Micro Nutrient Mixture for pulses	5 Kg/ha	500	
5	Foliar spray of nutrients (including Spraying cost for 2 spraying)	25 Kg	2,000	DAP will be purchased from PACCS and distributed through concerned AEC. Spraying cost will be released as back ended subsidy.
	Total		5,150	

(Limited to Rs. 5000/- per Ha. Excess amount will be restricted in back ended components. Saving in one component may be utilised for another component)

2. Production Inputs @ 2.5 Lakh/ Village maximum limit

Component	:	2 (a). Distribution of Certified seeds (<10 year old)
Rate of assistance	:	Rs.50/- per Kg or 50% of the cost whichever is less for less than 10 years old varieties
Varieties eligible	:	<p>Less than 10 yrs old varieties of Blackgram and Greengram as per the target given. Preference may be given for TNAU released varieties.</p> <p>Less than 10 year old Varieties Blackgram- VBN 6, VBN 7, VBN 8, VBN 9, VBN10, ADT6, KKM 1, MDU 1, VBN11 a TU 40 Green Gram - CO 8, VBN 4 Red Gram - CO 8, BRG 4, BRG 5, LRG 52 Bengal Gram - NBeG 3, NBeG 47, NBeG 49, NBeG 119 Groundnut (For Cropping System based Demonstration – Groundnut followed by Blackgram) - CO 6, CO 7, Dharani, ICGV 00350, GJG 9 (J 69), VRI 8, ALG 06 320, TMV 14, GJG 31, GJG 32, BSR 2, GG 34</p>
Recommendation	:	Maximum of 2 Ha / farmer/year.
Districts	:	Thanjavur, Tiruvarur, Mayiladuthurai, Cuddalore and Trichy
General Instructions	:	ADAs should procure the seeds as per guideline and distribute from respective AECs
Component	:	2(b). Production Inputs (INM & IPM)
Rate of assistance	:	<p>2 b(i). Pulses Micronutrient mixture @ Rs.500/ ha. (or) 50% of the cost whichever is Less.</p> <p>2 b(ii). Biofertilizers @ Rs.300/ ha. or 50% of the cost whichever is less.</p>
Source of inputs	:	Department of Agriculture
Recommendation	:	Maximum of 2 Ha/ farmer/year.
Districts	:	Thanjavur, Tiruvarur, Mayiladuthurai, Cuddalore and Trichy
General Instructions	:	ADAs should make necessary indent to nearby production center in advance and ensure that inputs are supplied in time. Physical target may be increased without exceeding financial allocation.

Rate of assistance	:	2 b (iii). Gypsum 80% WG Sulphur @ Rs.750/ ha. or 50% of the cost whichever is less 2 b(iv). Plan Protection Chemicals including @ Rs.500/ ha. or 50% of the cost whichever is less
Source of inputs	:	Back ended subsidy
Recommendation	:	Maximum of 2 Ha/ farmer/year.
Districts	:	Thanjavur, Tiruvarur, Mayiladuthurai, Cuddalore and Trichy

3. Water saving Devices

Component	:	(i).Water carrying Pipe (for PVC Pipes) @ Rs.35/- per mtr
Rate of assistance	:	Pipes for carrying water from source to field - PVC pipes @ Rs.35/ Meter or 50% of the cost whichever is less limited to Rs.15000/ beneficiary
Source of inputs	:	JDA / ADA will distribute the above components as per AED /TANHODA approved rate contract.
Recommendation	:	As per PMKSY guidelines.
Districts	:	Thanjavur, Tiruvarur, Mayiladuthurai, Cuddalore and Trichy.
General Instructions	:	<ul style="list-style-type: none"> ➤ AAOs should get the application forms from the pulse cultivating farmers along with demand draft for farmers contribution. ➤ Farmers should be given preference to select the Pipe manufacturer 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 to the firms only after the verification by JDA/DDA.

4. Local Initiatives

Component	:	a. Distribution of Mobile threshing floor/Tarpaulins.
Rate of Assistance	:	Rs.1500/- per No. or 50% cost whichever is less.

Source of Inputs	:	Department of Agriculture
Implementing Districts	:	As per the target given under TRFA Pulses
Guidelines	:	<ul style="list-style-type: none"> The Tarpaulins should be of HDPE laminated tarpaulin of 6 Mtrs X 5 Mtrs size (250 GSM). The District JDA/DDA(GOI)/ADAs should assess the required Tarpaulins and make necessary arrangements to procure the same through District Level Agricultural Procurement Committee (DLAPC). ADAs should procure the Tarpaulins as decided in DLAPC and receipt of stock should be verified and AAOs and AOs/Deputy AOs / will distribute Tarpaulins to farmers after collecting farmers contribution in demand draft.

National Food Security Mission- Commercial Crops 2021-22
Operational Guidelines

National Food Security Mission - COTTON

A. Components implemented by Department of Agriculture

Budget allocation: Rs. 79.80 Lakh

I. Front line demonstration on Integrated Crop Management

- Rate of Assistance Rs. 8000/- per ha
- **Districts covered:** Cuddalore, Kallakurichi, Salem, Namakkal, Dharmapuri, Perambalur, Ariyalur, Madurai, Dindigul, Virudhunagar, Tenkasi, and Thoothukudi districts.
- 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/farmer.
- The receipt of all inputs should be verified by the Assistant Director of Agriculture/AO/Deputy AO.
- All inputs should be distributed to farmers at AEC through online billing with FCMS number.

S. No	Interventions	Qty/ha	Allocation Rs/Ha.	Source of Input
1	Liquid bio-fertilizer –Azospirillum & Phosphobacteria	500 mL + 500 mL	300	AEC
2	Trichoderma viridie -Seed treatment (4g/kg)and soil application 2.5 Kg/Ha	2.5 – 3 Kg	332	AEC
3	Cotton Micro Nutrient Mixture	12.5 Kg	1,168	AEC

4	Neem-based botanicals through DLAPC	3 litres	1,600	AEC
5	Organic fertilizers through DLAPC (Quantity restricted to fund allocation)		3,600	AEC
6	Contingencies (POL, Field day, documentation etc.,)		1,000	
	Total cost norm for One ha.		8,000	
Any variation in the input cost may be adjusted in the total cost.				

II. Front line demonstration on Intercropping with Pulses

- Rate of Assistance Rs. 8000/- per ha.
- **Districts covered:** Salem, Namakkal, Madurai, Virudhunagar, and Tenkasi districts.
- Seed indent shall be placed with Central Institute of Cotton Research, TNAU, or SIMA, CDRA by the concerned districts if it is not procured in AECs.
- 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/farmer.
- The receipt of all inputs should be verified by the Assistant Director of Agriculture/AO/Deputy AO.
- All inputs should be distributed to farmers at AEC through online billing with FCMS number

S. No	Interventions	Qty/ Ha.	Allocation (Rs./ Ha)	Source of Input
1	Cotton Varietal Seeds	10-15 Kg	2,000	AEC
2	Pulses Seeds	10 Kg	900	AEC
3	Cotton MN Mixture	12.5 kg	1,100	AEC
4	Organic Fertilizer through DLAPC (Quantity restricted to fund allocation)		3,000	AEC
5	Contingencies (POL, Field day, documentation etc.,)		1,000	
	Total		8,000	
Any variation in the input cost may be adjusted in the total cost.				

III. Trials on High Density Planting System

- **Rate of Assistance :Rs. 10000/ 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/farmer

- **Implementing districts:** Salem, Namakkal, Madurai, Virudhunagar, and Tenkasi districts.
- **Variety:** Varieties as recommended by TNAU.
- Seed indent shall be placed with Central Institute of Cotton Research, TNAU, or SIMA, CDRA by the concerned districts if it is not procured in AECs.
- 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 75 x 10 cm should be adopted.
- The receipt of all inputs should be verified by the Assistant Director of Agriculture/AO/Deputy AO.
- All inputs should be distributed to farmers at AEC through online billing with FCMS number

S. No	Interventions	Qty/ha	Allocation Rs./ Ha	Source of Input
1	Cotton Seed (Varieties as per TNAU) 10 Kg for delinted seeds/Ha (or) 15 -20 kg for fuzzy seeds/Ha	10 kg (or) 15-20 Kg	2,800	AEC
2	Cotton Micro Nutrient Mixture	12.5Kg	1,100	AEC
3	Organic fertilizers through DLAPC (Quantity restricted to fund allocation)		3,600	AEC
4	Neem-based botanicals through DLAPC	3 litres	1,500	AEC
5	Contingencies, POL, Field day, documentation etc.,		1,000	
	Total cost norm for One ha.		10,000	
Any variation in the input cost may be adjusted in the total cost.				

General Instructions for FLDs and Trials:

- While organizing FLDs and trials on HDPS, JDAs of concerned districts shall coordinate with the nearby Cotton Research Stations/Agricultural Research Stations/KVKs.
- Savings in any of the intervention may be diverted to other interventions not exceeding the total cost norm per ha.
- Implementing districts should send the performance of the FLDs and trials on HDPS after the completion of the programme.

IV. State Level Training-

- The assistance of Rs. 40000/- per training will be provided for the following items as per the NFSM Commercial Crop guidelines.
- The implementing districts are Cuddalore, Kallakurichi, Salem, Namakkal, Dharmapuri, Perambalur, Ariyalur, Madurai, Virudhunagar, and Thoothukudi.

S.No	Particulars	Amount
1.	Honorarium to Resource person @ Rs. 500/- per lecture for 10 lectures	Rs. 5,000
2.	Refreshment for inaugural session for 50 persons @Rs.50/- per head	Rs. 2,500
3.	Boarding and lodging for trainees @Rs.500/- per head per day for 20 participants for 2 days	Rs. 20,000
4.	Training Kit including publication @Rs.400/- per trainee	Rs. 8,000
5.	Contingencies including audio visual arrangements, stationary, field visit etc	Rs. 4,500
	Total	Rs. 40,000

B. Components implemented by Tamil Nadu Agricultural University

• **Budget allocation:Rs. 3.200 Lakh**

I. **Front Line Demonstration on Intercropping**

II. **Front Line Demonstration on ELS cotton / ELS cotton seed production**

III. **Trials on High Density Planting System**

- Frontline demonstration on Intercropping in Cotton shall be organized in 10 Ha by Cotton Research Station, Srivilliputhur.
- Frontline demonstration on ELS cotton / ELS cotton seed production shall be organized in 10 Ha by Department of Cotton, TNAU, Coimbatore.
- The Trials on High Density Planting shall be organized in 15 Ha at Department of Cotton, TNAU, Coimbatore. Trials on High Density Planting System should be arranged in clusters of at least 10 Ha.
- Trials shall be conducted to popularize Compact variety CO 17 among the cotton farmers and create awareness on HDPS and the agronomic packages to be followed.
- Source of input: TNAU
- For each farmer, at least one acre shall be included in a demonstration. Maximum of 2 Ha/farmer
- Assistant Director of Agriculture of the block concerned shall also visit the demonstration field during the critical growth stages and send the performance report.

S. No	Inputs	Cost (Rs. / ha)		
		Intercropping	FLD on ELS Cotton	Trials on HDPS
1.	Seed material – 10 kg for FLD on ELS / Desi cotton seed production & 18.75 kg / ha for HDPS	1,400	1,400	2,625
2.	Weedicide - Pendimethalin 38.7% cs	1,100	1,500	1,500
3.	Pseudomonas/Trichoderma (Seed Treatment + Soil application) 3 kg / ha	300	300	300
4.	Cotton Plus /Chemical fertilizers		2,250	2,250
5.	Intercrop seeds	400		
6.	Plant Protection chemicals for sucking pests, Boll worm and diseases – Need based	2,500	2,550	2,325
7.	Chemical Fertilizers	1,300		
6.	Contingencies – Stationery items, POL, TA / DA, Refreshment charges for conducting Field day, Documentation etc.,	1,000	1,000	1,000
	Total (Rs.)	8,000	9,000	10,000
Any variation in the input cost may be adjusted in the total cost.				

NATIONAL FOOD SECURITY MISSION- SUGARCANE

A. Components implemented by Department of Agriculture

- **Budget allocation Rs: 38.50 Lakh**
- **Implementing Districts:** Cuddalore, Kallakurichi, Villupuram, Salem, Namakkal, Erode, Perambalur, Ariyalur, Thiruvannamalai, Theni, Pudukottai, Chengalpattu, Thanjavur, and Dharmapuri districts.
- I. **Demonstrations on intercropping and Single Bud Chip Technology in Sugarcane**
 - Beneficiary will be identified by the Block Assistant Director of Agriculture/Agricultural Officer/Assistant Agricultural Officer.
 - 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/farmer

- Assistant Director of Agriculture of the block concerned shall also visit the demonstration field during the critical growth stages and send the performance report

S. No	Interventions	Qty/ha	Allocation (Rs./ Ha)	Source of Input
1	Pulses seed for intercropping	15 – 20 Kg	1,600	AEC
2	Micro nutrient mixture	50Kg	2,200	AEC
3	Sett treatment and soil application of Liquid Bio fertilizer –(Azospirillum & Phosphobacteria)	500ml+ 500ml	600	AEC
4	Organic fertilizers through DLAPC (Quantity restricted to fund allocation)		3,600	AEC
5.	Contingency (POL, field day, documentation etc.,)		1,000	
	Total cost for one ha. Demo		9,000	
Any variation in the input cost may be adjusted in the total cost.				

II. State level training

- The assistance of Rs. 40000/- per training will be provided for the following items as per the NFSM Commercial Crop guidelines.
- The scheme will be implemented by Sugarcane Breeding Institute, Coimbatore in coordination with Department officials.

S.No	Particulars	Amount
1.	Honorarium to Resource person @ Rs. 500/- per lecture for 10 lectures	Rs. 5,000
2.	Refreshment for inaugural session for 50 persons @Rs.50/- per head	Rs. 2,500
3.	Boarding and lodging for trainees @Rs.500/- per head per day for 20 participants for 2 days	Rs. 20,000
4.	Training Kit including publication @Rs.400/- per trainee	Rs. 8,000
5.	Contingencies including audio visual arrangements, stationary, field visit etc	Rs. 4,500
	Total Cost for One Training	Rs. 40,000

B. Components implemented by Sugarcane Breeding Institute, Coimbatore

• **Budget Allocation Rs: 3.500 Lakh**

I. Production / Supply of Tissue culture plantlets / seedlings

- The objective is to supply genetically pure sugarcane tissue culture seedlings to the Sugar Mills and farmers.
- The scheme will be implemented by Sugarcane Breeding Institute, Coimbatore.
- Monthly progress report, Performance Report of the Front Line Demonstration, Photo Documentation and Utilization Certificate should be furnished after completion of NFSM Commercial crops programme.
- Demonstrations organized under National Food Security Mission – Commercial crops should be compulsorily geo tagged and also other entries made in the NFSM – MIS Portal.

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

//TRUE COPY//

J. Duraisami
16/11/21
SECTION OFFICER

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16/11/21