

*National Food Security
Mission - Oilseeds*

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NFSM-Oilseeds

1. Introduction

The flagship schemes launched by Government of India during 11th plan like ISOPOM-Oilseeds, Oilpalm and Maize, are continued in 12th plan as MM-I for Oilseeds & MM-II for Oil palm under NMOOP Scheme, Maize scheme was merged in National Food Security Mission scheme from 1st April 2014.

NMOOP, the Central Sector Scheme implemented by the Oilseeds division has been merged with NFSM in 2018-19 & interventions of NMOOP are taken as sub-components of NFSM. The 3-sub-divisions are MM-I as NFSM-Oilseeds, MM-II as NFSM-Oil palm & MM-III as NFSM-TBOs.



2. Objective

The NFSM-Oilseeds envisages increase in production of vegetable oils sourced from Oilseeds, Oilpalm and TBOs.

The Mission is being implemented through two Mini Missions in Andhra Pradesh with specific target as detailed below:

NFSM-Oilseeds To increase Oilseed production and productivity. This Scheme will be implemented by the Department of Agriculture.

NFSM-Oil Palm: To bring additional area under oil palm cultivation through area expansion approach in the State including utilization of wastelands with increase in productivity of fresh fruit bunches (FFBs). This Scheme is being implemented by the Department of Horticulture.

3. Strategy

- Increasing the certified seed availability by maintaining seed chain of recently released varieties.
- Integrated crop management by increasing area under IPM / INM / Micro irrigation and demonstrating latest production / protection technologies at farmers' field through FLD / demonstrations.
- Promotion of mechanization through distribution of improved farm implements / equipments.
- Capacity building of farmers / extension workers through inter / intra trainings including FFS.



4. Funding Pattern : 60:40 (Central:State)

5. Area of operation: NFSM-Oilseeds will be implemented in all the 13 districts of Andhra Pradesh.

Action Plan for 2018-19

Government of India has tentatively allocated an amount of Rs. 2083.34 lakhs for NFSM-Oilseeds as detailed below.

S.No.	Name of the Scheme	Implementing department	Allocation (Rs. in Lakhs)		
			Central	State	Total
1.	NFSM Oilseeds	Department of Agriculture	1250.01	833.34	2083.34

The proposed Component wise Annual Action plan under NFSM Oilseeds 2018-19 is furnished in Annexure.

Components of the scheme

The Components under NFSM-Oilseeds are classified broadly in three categories namely Seed Components, Production inputs, Transfer of Technology, Farm Machinery/ implements and irrigation tool, Project Management expenses and Flexi funds. The Scheme is being implemented with the following components during 2018-19.



I. Seed component: The total budget proposed for implementation of the Seed component is 30 per cent i.e., for purchase of breeder seed, production of foundation and certified seeds, production of certified seed and distribution of certified seed.

A. Purchase of Breeder seed

The Breeder seeds are produced by the breeders of the organizations such as ICAR/SAUs/KVKs etc., department of Agriculture will reimburse 100% cost of Breeder seeds as per cost norms to the agencies like SAUs/KVKs/ State seed corporation/Federation etc.

B. Production of Foundation & Certified seed production

The assistance provided is limited to @ Rs. 2500/-per quintal for varieties of oilseeds released during the last 10 years with additional assistance of Rs.1000 /qtl on varieties, a part of it i.e., Rs. 750/- per quintal is provided to farmers to meet the cost of certification, loss due to rouging and under sized seed. Remaining amount of Rs. 250/- for the seed producing agencies for meeting expenditure towards certification & production etc.

C. Distribution of Certified seed on subsidy

During 2018-19, it is proposed to distribute 14,503 qtls Certified seed varieties. Assistance @ 50 percent of the cost limited to Rs.4000/- per qtl for varieties of oilseeds not older than 10 years except sesamum and varieties of sesamum will be @ 50 percent of the cost limited to Rs.5000/- per Qtl, which are not older than 10 years.

D. Seed Minikits (100 percent funding by GoI)

Allocation will be made @ one minikit for every 25 ha area under each crop containing 20 kg seed for Groundnut. These minikits will be supplied to the selected farmers on 100 percent subsidy.

II. Transfer of Technology programmes (27% of allocation):

E) Block Demonstrations on Improved Technologies

Block demonstrations are organized in Cluster mode with a continuous area of 50 ha in a village/mandal.

To conduct block demonstrations, assistance will be given to meet the expenses/cost of critical inputs like seed, seed treatment, micronutrients, organic/bio agents, organic/bio fertilizers, eco friendly light traps (NCIPM model) etc, at the rate, as proposed in the table below:

Sl.No	Crop	Assistance (Rs/ha)
1	Groundnut	10000/-
2	Sesamum	6000/-
3	Castor/Safflower	3000/-
4	Sunflower	4000/-

F) Farmer Field Schools

Farmer Field school will be organized with 30 farmers in 10 ha of area with a financial provision of Rs.26,700/-. The resource persons for training the farmers will be from the ICAR, ANGRAU scientists and Agriculture officers.

G) Farmers training

It is proposed to organize cropping system based trainings on Oilseeds during Kharif and Rabi crops. Trainings will be organized for a group of 30 farmers for 2 days and @ Rs.400/- per participant per day with a financial provision of Rs.24,000/-.

H) Training of Extension Officers/ workers/ Input dealers

About 20 officers will be trained for 2 days and @ Rs.900/- per participant per day with a financial provision of Rs.36,000/-. The trainings for Extension Officers will be conducted by the DDA (Farmers Training Centers) in coordination with crop experts like Principle Scientist of concern crops, DAAT centre Scientist & KVKS etc.

III. Production Inputs (30% of allocation):

I) Plant Protection chemicals

One of the major limiting factors in crop production of Oilseeds is incidence of pests and diseases. It is proposed to supply need based PP Chemicals, Insecticides, Fungicides and bio pesticides to the farmers @ 50 percent of the cost limited to Rs. 500/- per ha to control any out break of pests and diseases above ETL .

J) Weedicides

Weed control in early stages of crop is very important for effective use of soil nutrients by the crop. It is proposed to supply the weedicides to the farmers @ 50% of the cost limited to Rs. 500/- per ha.

K) Rhizobium Culture/Phosphatic Solubilising Bacteria(PSB)/ Azatobactor

The subsidy is limited to 50 percent cost to the tune of Rs.300 per ha which ever is less will be supplied through ANGRAU and departmental labs only.

IV. Farm Machineries and Irrigation tools (25% of allocation)

L) P.P. Equipment

Distribution of P.P. equipment (**Manually operated Knap Sack sprayer**) is proposed @ 50 % of the cost of procurement subject to a ceiling of Rs. 800/- per equipment whichever is less for manually operated only for SC/ST/SF/MF/Women groups. For other farmers @40% of the cost of procurement subject to a ceiling of Rs. 600 /- per equipment.

Distribution of **Power sprayers** (capacity above 16 lts) is proposed @ 50 % of the cost of procurement subject to a ceiling of Rs.10000 /- per equipment which ever is less. For other farmers @40% of the cost of procurement subject to a ceiling of Rs. 8000/- per equipment.

M) Supply of Improved Manual/ bullock drawn & Tractor driven Farm Implements

- a) It is proposed for supply of **Manual/ bullock drawn** farm implements with financial assistance @ 50 % of the cost limited to Rs.10,000/- per implement, for SC/ST/SF/MF/Women groups. Implements will be supplied based on local needs.
- b) Tractor drawn farm implements like Rotovators/Seed drill/Multi crop planter/ridge furrow planter/ power weeder/groundnut digger and multi crop threshers. The financial assistance is 50% of the cost limited to Rs.63,000/- per implement, for SC/ST/SF/MF/Women groups and 40 % of the cost limited to Rs.50,000/- for others.

N) Distribution of Sprinkler Irrigation Systems

Support will be provided to oilseed growers for sprinkler irrigation system, subsidy as per the norms under National Mission for Sustainable Agriculture (NMSA) as detailed below.

- a) 35% of the total cost of the installation for small and marginal farmers and 25 % of actual cost of installation for others in non DPAP/DDP districts.
- b) 50% of the total cost of the installation for small and marginal farmers and 35 % of actual cost of installation for others in DPAP/DDP districts

Estimated cost of installation of portable sprinkler irrigation system is Rs.19,600/ha. Maximum permissible assistance will be as per the length of pipe and restricted to 5 ha for beneficiary/group.

O) Water Carrying Pipes:

It is proposed to supply the water carrying pipes for carrying water from water source to the field with an assistance of 50 percent cost limited to Rs. 50/- per meter for HDPE pipes, Rs.35/- per meter for PVC pipes and Rs.20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of 600 mtrs and Rs.15,000/- farmer/beneficiary for water carrying pipes.

V. Project Management Expenses:

3.0 percent of the total allocation is allowed under NFSM- Oilseeds for contingency for monitoring & evaluation, including operational cost, engagement of consultants. One per cent of the amount allotted under oilseeds will be utilized for the publicity, exposure visits to farmers, appointment of state consultant, hiring of vehicle and contingencies.

Flexi Funds :

Flexi funds i.e upto 10 percent from allotted budget in the Annual Action plan to meet the unforeseen expenditure which are not covered in the Action plan.

Annual Action Plan under NFSM-Oilseeds 2018-19							
State: Andhra Pradesh				Target proposed 2018-19			
Rs. in Lakhs							
S. No	Interventions	Rate of Assistance	Unit	Phy	GOI Share	State Share	Total
I. Seed Component							
1	Purchase of Breeder seed	Rs.13500	Qtls	195	15.80	10.530	26.325
2	Production of Foundation seed	Rs.2500	Qtls	334	5.01	3.340	8.350
3	Production of certified seed	Rs. 2500	Qtls	408	6.12	4.080	10.200
4	Distribution of Certified seed (Groundnut K-6)	Rs.4000	Qtls	11603	278.47	185.648	464.120
5	Distribution of Certified seed (Groundnut K-6)	Rs.4000	Qtls	2900	69.60	46.400	116.000
	Total			15440	374.997	249.998	624.995
II. Transfer of Technology							
5	Block demonstrations						
	i)Groundnut	Rs.10000	Ha	4315	258.90	172.60	431.50
	ii)Sesame	Rs.6000	Ha	454	8.17	5.45	13.62
	iii)Castor	Rs.3000	Ha	371	6.68	4.45	11.13
	iv)Sunflower	Rs.4000	Ha	371	8.90	5.94	14.84
	v)Safflower	Rs.3000	Ha	148	2.66	1.78	4.44
	Sub-Total(5(i) & 5(iv))			5659	285.32	190.21	475.53
6	IPM demonstrations (FFS)	Rs.26700	Nos	297	47.58	31.72	79.30
7	Farmers Training	Rs.24000	Nos	13	1.87	1.25	3.12
8	Officers Training	Rs.36000	Nos	13	2.81	1.87	4.68
	Total			5982	337.58	225.052	562.629
III. Production inputs							
9	Supply of Rhizobium culture/PSB	Rs.300	Ha	745	1.34	0.894	2.235
10	Supply of PP chemicals including weedicides	Rs.500	Ha	8225	14.81	9.87	24.675
	Sub total			8970	16.15	10.764	26.91
Farm Machineries and irrigation tools							
11	Distribution of PP equipment						
	a) Manually operated	Rs.800	Nos	79	0.379	0.2528	0.632
	b) Power operated	Rs.10000	Nos	96	5.760	3.84	9.60
	Sub-Total			175	6.139	4.0928	10.232
12	Supply of improved farm implements						
	a) Manual	Rs.10000	Nos	23	13.80	9.20	23.00
	b) Tractor drawn implements	Rs.63000	Nos	26	9.83	6.55	16.38
	c) Pipes for carrying water from source to the fields.	50% subsidy limited to Rs.15000	Mtrs	3656	329.04	219.36	548.40
	Total 12(a) to 12(c)			3705	374.95	249.97	624.922
IV.							
14	Flexi funds						
	a) Diesel Pump sets	Rs.10000	Nos	2083	124.98	83.32	208.30
	Total of Flexi funds			2083	124.98	83.32	208.300
V. Project Management Expenses							
i.	Exposure visits						
	a). Within district	Rs.9000	Nos	38	2.05	1.37	3.42
	b).Outside district	Rs.12000	Nos	39	2.81	1.87	4.68
	c).Outside State	Rs.24000	Nos	33	4.75	3.17	7.92
	Sub-Total i (a) to i (c)			110	9.612	6.408	16.02
ii.	Publicity		Nos		6.00	4.00	10.00
iii.	Contingency		Nos		6.17	4.11	10.28
iv.	Remuneration of TSG Staff		Nos		7.20	4.80	12.00
v.	Seminars/workshop/meetings		Nos		6.00	4.00	10.00
vi.	Hiring of private vehicle				2.52	1.68	4.20
	Total				37.50	25.00	62.50
	Grand Total				1250.01	833.34	2083.34