

10. BRIEF NOTE ON NATIONAL FOOD SECURITY MISSION-COMMERCIAL CROPS (COTTON, JUTE & SUGARCANE)

The Government of India has approved Crop Development Programme on Cotton, Jute and Sugarcane for enhancing the production and productivity under National Food Security Mission- Commercial Crops (NFSM-CC) w.e.f. 2014-15. Under this Scheme thrust has been given on transfer of technology through frontline demonstrations and training in order to extend benefits to the farmers. From, 2015-16, in view of increased devolution to the States on account of implementation of recommendations of 14th Finance Commission, NFSM is being implemented on sharing basis between Government of India and States on 60:40 basis for general category states & 90:10 basis for North East & hilly states. However, the Central Agencies are funded 100% by GOI. Under the NFSM-CC, an allocation of Rs.4135.11 lakh has been made for 2017-18. This includes Rs.3845.11 lakh (Rs.1245.30 lakh for Sugarcane, Rs. 1387.24 lakh for Cotton & Rs. 1213.57 lakh for Jute) for States with sharing pattern of 60:40 (General State) and 90:10 (Hilly/NE States) between Centre and States and Rs. 290.00 lakh for Central Agencies with 100% funding by Centre. The States and strategies covered under scheme are given below:

COTTON

States Covered under scheme:

Assam, Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Telangana, Tamil Nadu, Tripura, Uttar Pradesh & West Bengal.

Strategies:

- Trails on High Density Planting System (HDPS).
- Front Line Demonstration on Inter Cropping with Cotton crop.
- Front Line Demonstration on Integrated Crop Management (ICM).
- Front line demonstration on Extra Long Staple (ELS) & Desi cotton/ELS Cotton Seed Production

JUTE

States Covered under scheme:

Andhra Pradesh, Assam, Bihar, Meghalaya, Nagaland, Odisha, Tripura, Uttar Pradesh & West Bengal.

Strategies:

- Jute based cropping sequences with possible crops.
- Jute seed production programme through State Department of Agriculture/ICAR/NSC/State Farm Corporation of India /SAU/SSC/KVKs including seed village programme at Government Farm.
- Demonstration of alternate retting technology.
- Capacity building of extension officials and farmers in jute production.

SUGARCANE

States Covered under scheme:

Andhra Pradesh, Bihar, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Telangana, Tamil Nadu, Uttrakhand & Uttar Pradesh.

Strategies :

- Demonstration on intercropping of Pulses, Oilseed and Cereals with Sugarcane.
- Production of Tissue Culture Seedlings/Plantlets for faster and cheaper multiplication of cane seed.
- Demonstration on Single Bud Technology has given emphasis where ever possible.
- Strengthening / Establishment of Tissue Culture and bio-agent laboratories.
- Capacity building of extension officials and farmers in sugarcane production.
- Sugarcane Breeder Seed Production through ICAR/SAUs & Sugarcane Research institutes.

**Components and Pattern of Assistance under NFSM-CC
during 12th Plan Period**

S. N	Component	Pattern of Assistance	Crops in Which admissible		
			Cotton	Jute	Sugarcane
1	Insecticide Resistant Management (IRM)	Rs.4.5 lakh / district + Administrative cost	✓		
2	Online Pest Monitoring and Advisory Services (OPMAS)	Rs. 4.5 lakh / district + Administrative cost	✓		
3	Demonstrations				
	Front Line Demonstration (FLD) on Integrated Crop Management (ICM)	Rs.7000/ha (Rs. 6000 for inputs & Rs. 1000 for Contingency)	✓		
	FLD on Desi and ELS cotton / ELS Cotton Seed Production.	Rs.8000/ha (Rs 7000 for inputs & Rs. 1000 for Contingency)	✓		
	FLD on Intercropping (Cotton)	Rs.7000/ha (Rs. 6000 for inputs & Rs. 1000 for Contingency)	✓		
	FLD on Production technologies / Intercropping (Jute)	Rs.8000/ha (Rs. 7000 for inputs & Rs. 1000 for contingency)		✓	
	Demonstration on intercropping and single bud chip technology with Sugarcane.	Rs.8000 per ha (Rs.7000 for inputs & Rs. 1000 for Contingency)			✓
	FLD on alternate Retting technologies	Rs. 20000/FLD (Rs. 17000 for inputs & Rs. 3000 for Contingency)		✓	
	Trials on High Density Planting System	Rs.9000/ha (Rs. 8000 for inputs & Rs. 1000 for Contingency)	✓		
4	Seed production				
	Production of Breeder Seed (Jute)	Rs 20000/qtl		✓	
	Assistance for Breeder Seed Production (Sugarcane)	Rs.40000 per ha (Rs. 34000 for inputs & Rs. 6000 for Contingency)			✓
	Production of Foundation Seed	Rs.12000/qtl		✓	
	Production of certified Seeds	Rs.5000/qtl		✓	
	Seed Village programme and Production of seed in government farm	Rs. 5500/- per qtl. of Certified Seed produced		✓	
5	Training				
	National level training (Jute) (25 Participants X 3 days)	Rs.80000/Training		✓	
	National Level Trainings (Sugarcane) (25 Participants X 2 days)	Rs.50000 per training			✓
	State level training (20 participants X 2 days)	Rs. 40000/Training		✓	✓
6	Production of tissue culture raised plantlets/ seedlings	Rs. 3.5 per seedlings			✓
7	Strengthening / establishment of bio agent and tissue culture laboratory	50% of cost limited to Rs. 75 lakhs per laboratory			✓
8	Contingencies & Electronic Print Media	Need Based	✓	✓	✓

Allocation Release and Expenditure of funds under NFSM- Cotton, Jute & Sugarcane by the States during 2014-15

Rs. in Crore

S. No.	State	COTTON			JUTE			SUGARCANE			G. TOTAL		
		Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.
1	Andhra Pradesh	0.24	0.00	0.24	0.51	0.31	0.20	0.13	0.10	0.00	0.88	0.41	0.44
2	Assam	0.16	0.12		1.02	0.76	0.12	0.00	0.00	0.00	1.18	0.88	0.12
3	Bihar	0.00	0.00		0.67	0.50	0.50	0.88	0.66	0.61	1.55	1.16	1.11
4	Gujarat	1.55	1.16	0.11	0.00	0.00		0.16	0.12	0.06	1.71	1.28	0.17
5	Haryana	0.40	0.30	0.06	0.00	0.00		0.21	0.16	0.10	0.61	0.46	0.16
6	Karnataka	0.60	0.45	0.36	0.00	0.00		0.31	0.23	0.18	0.91	0.68	0.54
7	Madhya Pradesh	0.70	0.53	0.06	0.00	0.00		0.21	0.16	0.11	0.91	0.69	0.17
8	Maharashtra	1.70	1.28	1.26	0.00	0.00		1.97	1.48	1.48	3.67	2.76	2.74
9	Meghalaya	0.00	0.00		0.20	0.15	0.15	0.00		0.00	0.20	0.15	0.15
10	Nagaland	0.00	0.00		0.15	0.12	0.12	0.00		0.00	0.15	0.12	0.12
11	Odisha	0.60	0.45	0.60	0.42	0.39	0.42	0.00		0.00	1.02	0.84	1.02
12	Punjab	0.40	0.30	0.30	0.00	0.00		0.21	0.16	0.16	0.61	0.46	0.46
13	Rajasthan	0.40	0.30	0.29	0.00	0.00		0.00		0.00	0.40	0.30	0.29
14	Tamil Nadu	0.30	0.30	0.31	0.00	0.00		0.31	0.31	0.30	0.61	0.61	0.61
15	Telangana	0.76	0.00	0.64				0.03	0.02	0.03	0.79	0.02	0.67
16	Tripura	0.16	0.12	0.12	0.32	0.24	0.24	0.00		0.00	0.48	0.36	0.36
17	Uttar Pradesh	0.29	0.22	0.00	0.11	0.08	0.02	3.07	2.31	2.44	3.47	2.61	2.46
18	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.15	0.15	0.21	0.15	0.15
19	West Bengal	0.24	0.18	0.11	2.04	1.53	1.47	0.00		0.00	2.28	1.71	1.58
	Total	8.50	5.71	4.46	5.44	4.08	3.24	7.70	5.86	5.62	21.64	15.65	13.32

Allocation Release and Expenditure of funds under NFSM- Cotton, Jute & Sugarcane by the States during 2015-16

As on 31.03.2016

Rs. in Crore

S. No.	State	COTTON			JUTE			SUGARCANE			G. TOTAL		
		Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.
1	Andhra Pradesh	0.31	0.23	0.17	0.75	0.50	0.49	0.21	0.11	0.07	1.27	0.84	0.73
2	Assam	0.11	0.00	0.00	2.55	1.27	0.00	0.00	0.00	0.00	2.66	1.27	0.00
3	Bihar	0.00	0.00	0.00	0.66	0.50	0.50	0.65	0.57	0.00	1.31	1.07	0.50
4	Gujarat	0.77	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.91	0.00	0.00
5	Haryana	0.37	0.18	0.00	0.00	0.00	0.00	0.18	0.09	0.00	0.55	0.27	0.00
6	Karnataka	0.56	0.28	0.25	0.00	0.00	0.00	0.27	0.14	0.13	0.83	0.42	0.38
7	Madhya Pradesh	0.65	0.33	0.00	0.00	0.00	0.00	0.18	0.09	0.10	0.83	0.42	0.10
8	Maharashtra	1.20	1.19	0.79	0.00	0.00	0.00	1.51	1.47	1.47	2.71	2.66	2.26
9	Meghalaya	0.00	0.00	0.00	0.38	0.28	0.28	0.00	0.00	0.00	0.38	0.28	0.28
10	Nagaland	0.00	0.00	0.00	0.16	0.12	0.12	0.00	0.00	0.00	0.16	0.12	0.12
11	Odisha	0.71	0.43	0.43	0.41	0.21	0.21	0.20	0.10	0.09	1.32	0.74	0.73
12	Punjab	0.37	0.28	0.00	0.00	0.00	0.00	0.18	0.13	0.00	0.55	0.41	0.00
13	Rajasthan	0.37	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.28	0.00
14	Tamil Nadu	0.28	0.28	0.28	0.00	0.00	0.00	0.27	0.27	0.27	0.55	0.55	0.55
15	Telangana	0.70	0.35	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.73	0.37	0.00
16	Tripura	0.68	0.68	0.68	1.47	1.47	1.47	0.00	0.00	0.00	2.15	2.15	2.15
17	Uttar Pradesh	0.27	0.14	0.00	0.11	0.05	0.02	2.68	1.34	1.33	3.06	1.53	1.35
18	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.14	0.14	0.18	0.14	0.14
19	West Bengal	0.22	0.11	0.23	2.01	1.00	1.06	0.00	0.00	0.00	2.23	1.11	1.29
	Total	7.57	4.76	2.83	8.50	5.40	4.15	6.68	4.47	3.60	22.75	14.63	10.58

Allocation Release and Expenditure of funds under NFSM- Cotton, Jute & Sugarcane by the States during 2016-17

As on 31.03.2017

Rs. in Crore

S. No	State	COTTON			JUTE			SUGARCANE			G. TOTAL		
		Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.
1	Andhra Pradesh	0.25	0.12	0.00	0.55	0.00	0.00	0.12	0.06	0.00	0.92	0.18	0.00
2	Assam	0.00	0.00	0.00	4.72	0.00	0.00	0.00	0.00	0.00	4.72	0.00	0.00
3	Bihar	0.00	0.00	0.00	0.70	0.35	0.00	0.84	0.00	0.00	1.54	0.35	0.00
4	Gujarat	1.58	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	1.73	0.00	0.00
5	Haryana	0.41	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.61	0.00	0.00
6	Karnataka	0.62	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.98	0.00	0.00
7	Madhya Pradesh	0.71	0.00	0.79	0.00	0.00	0.00	0.20	0.06	0.05	0.91	0.06	0.84
8	Maharashtra	1.74	0.87	0.00	0.00	0.00	0.00	1.91	1.45	0.49	3.65	2.32	0.49
9	Meghalaya	0.00	0.00	0.00	0.70	0.35	0.00	0.00	0.00	0.00	0.70	0.35	0.00
10	Nagaland	0.00	0.00	0.00	0.52	0.26	0.00	0.00	0.00	0.00	0.52	0.26	0.00
11	Odisha	0.86	0.71	0.00	0.46	0.46	0.23	0.23	0.16	0.00	1.55	1.33	0.23
12	Punjab	0.40	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.60	0.00	0.00
13	Rajasthan	0.41	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.00	0.03
14	Tamil Nadu	0.31	0.28	0.29	0.00	0.00	0.00	0.30	0.28	0.29	0.61	0.56	0.58
15	Telangana	0.77	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.80	0.00	0.00
16	Tripura	0.53	0.53	0.27	1.14	1.14	0.57	0.00	0.00	0.00	1.67	1.67	0.84
17	Uttar Pradesh	0.30	0.00	0.00	0.12	0.00	0.00	2.94	1.47	1.47	3.36	1.47	1.47
18	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.09	0.20	0.10	0.09
19	West Bengal	0.25	0.12	0.00	2.95	1.66	0.00	0.00	0.00	0.00	3.20	1.78	0.00
	Total	9.14	2.63	1.38	11.86	4.22	0.80	7.68	3.58	2.39	28.68	10.43	4.57