

# **National Food Security Mission (NFSM)**

---

**Manual for District- Level Functionaries**

**2017**

# PREFACE

The purpose of this Development Manual for National Food Security Mission (NFSM) is to create an enabling mechanism for improved implementation of the Centrally Sponsored Scheme (CSS) at the cutting edge, leading to enhanced outcomes in nature and extent. Accordingly, it would act as a guide for implementation by the **District Collector and key District-level functionaries**, enable quick learning about the Scheme, implementation modalities, roles and responsibilities of various functionaries as well as stakeholders.

This Manual is prepared with inputs from a combination of sources, such as review of extant scheme guidelines, circulars and amendments issued by the Department of Agriculture, Cooperation & Farmers Welfare (DAC & FW), Government of India (GoI) and discussions with the key personnel involved in implementation of the Scheme.

For greater direction, the guidelines cited must be referred to along with the scheme website (<http://www.nfsm.gov.in/>) for guidance and clarifications on implementation from time to time.

## CONTENTS

<b>PREFACE</b> .....	1
<b>1. National Food Security Mission (NFSM)</b> .....	<b>1</b>
1.1 About the Scheme .....	1
1.2 Strategy .....	1
1.3 Components .....	2
1.4 Interventions - Rice, Wheat, Pulses and Coarse Cereals.....	2
1.5 Interventions - Commercial Crops.....	4
1.6 Criteria for selection of beneficiary farmers .....	5
1.7 Institutional Framework .....	5
1.8 Annual Action Plan under NFSM .....	6
<b>2. Roles and Responsibilities of Key District Level Functionaries</b> .....	<b>8</b>
2.1 NFSM Implementation - Key District Level Functionaries.....	8
2.2 Chair of District Food Security Mission Executive Committee (DFSMEC) .....	9
2.2 Key functionaries - NFSM implementation at the district level.....	10
<b>NFSM - IMPLEMENTATION MONITORING PROFORMA (MONTHLY REPORT)</b> [For District Level Functionaries based on the Annual Action Plan] .....	13
<b>ABBREVIATIONS</b> .....	16
<b>ENDNOTES&amp; REFERENCES</b> .....	17

# 1. National Food Security Mission (NFSM)

## 1.1 About the Scheme

National Food Security Mission (NFSM) is a Centrally Sponsored Scheme launched in 2007 based on the recommendations of the agriculture sub- committee of National Development Council (NDC). The committee pointed out the need for improved agricultural extension services, technology transfer and decentralized planning as a result of which NFSM was conceptualized as a mission mode program.

During the eleventh plan period, the mission achieved increase in production of food grains by 20 million MT; covering rice, wheat and pulses. The scheme was continued during the twelfth five year plan (2012-17) with a target of 25 million MT of increased food grain production. Subsequently, coarse cereals and commercial crops were included under the purview of NFSM<sup>1</sup>. NFSM is currently being implemented across 638 districts<sup>2</sup> in the country.

Key thrust areas of the scheme are as follows:

- Sustainable increase in the production of targeted crops through area expansion and productivity enhancement
- Restoration of soil fertility and productivity at the individual farm level and
- Rise in farm level net income

## 1.2 Strategy

Broad strategies for implementation of the mission mode program for increased production of selected food grains and commercial crops are indicated in the Figure 1.

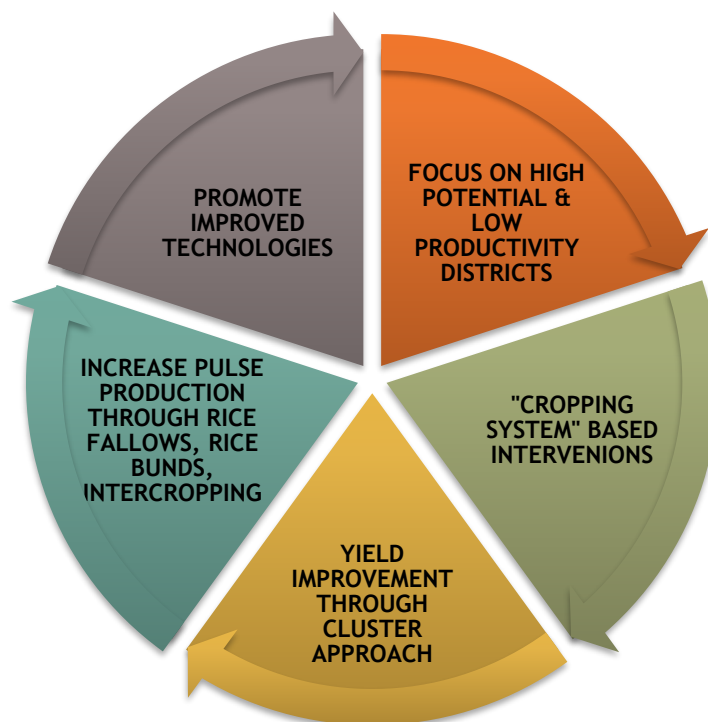


Figure 1: NFSM - Strategies

### 1.3 Components

National Food Security Mission (NFSM) has the following five components.

- (a) NFSM - Rice
- (b) NFSM - Wheat
- (c) NFSM - Pulses
- (d) NFSM - Coarse Cereals and
- (e) NFSM - Commercial Crops (NFSM - CC)<sup>3</sup>

### 1.4 Interventions - Rice, Wheat, Pulses and Coarse Cereals

Interventions under NFSM lay focus on Transfer of Technology (ToT)<sup>4</sup> through demonstrations and subsidized distribution of agricultural inputs. Due to shortage, the mission lays emphasis on production of pulses. In case of coarse cereals, 70% of the funds provided is allocated for demonstrations and 30% for seed distribution. **Figure 2** provides the comprehensive list of interventions that are covered under the scheme. Major interventions of the scheme and fund allocations<sup>5</sup> prescribed by the DAC&FW are shown in the **Table 1** and detailed in the further sub sections.

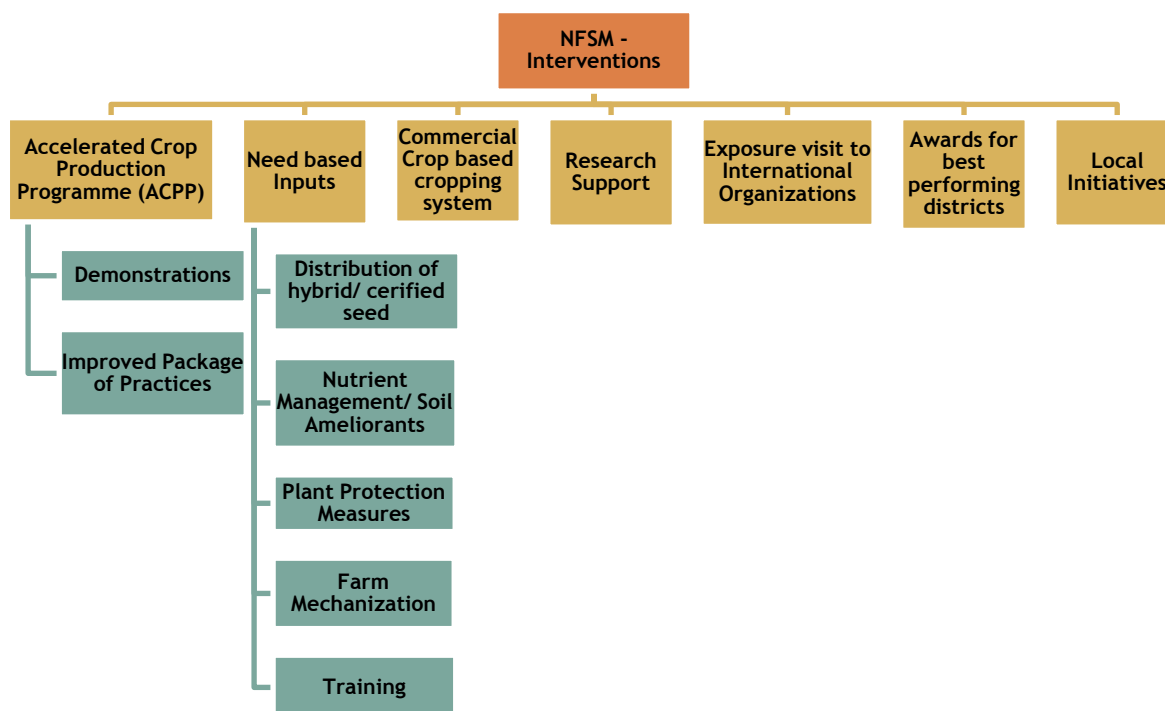


Figure 2: NFSM - Interventions

Interventions	Percent Allocation	
	Pulses	Other Crops
Demonstrations	30	40
Seed Distribution	15	20
Seed Production	15	
Integrated Nutrient Management & Integrated Pest Management	15	15
Farm Machineries, Irrigation and Custom Hiring	15	15
Capacity building/ Training	1	1
Local Interventions	9	9

Table 1: NFSM - Major Interventions and fund allocation

### 1.4.1 Demonstrations

Field demonstrations<sup>6</sup> for improved Package of Practices (PoP)<sup>7</sup> are the core of NFSM Interventions. The demonstrations are undertaken in a cluster approach with each cluster covering 100 ha and each farmer contributing a minimum of 0.4 ha of land. States need to undertake a minimum of 30% of demonstrations using “Cropping System based Approach” where the demos are conducted for all the crops throughout the year on the same piece of land. State Extension functionaries organize demonstrations of improved technologies, inputs, distribution of kits and capacity building of the farmers in association with Krishi Vigyan Kendras (KVKs) and State Agricultural Universities (SAUs).

Field days<sup>8</sup> during the harvest season and Front - Line Demonstrations (FLDs)<sup>9</sup> of recently notified varieties also form part of the Demonstrations. These FLDs are undertaken by ICAR Institutions or State Agricultural Universities (SAUs). Financial Assistance for Demonstrations and associated activities is provided in the **Table 2**.

Intervention / Financial Assistance	Rice	Wheat	Pulses	Coarse Cereals
Demonstrations (Rs per ha)	7,500	7,500	7,500	5,000
Cropping System based demonstrations(Rs per ha)	12,500	12,500	12,500	12,500

**Table 2: Financial Assistance for Demonstrations under NFSM**

### 1.4.2 Distribution of Hybrid/ Certified Seed

Distribution of certified seeds on subsidy is another crucial intervention under NFSM. Assistance for seed subsidy is limited to two hectares per farmer, as per the financial assistance provided in the **Table 3**.

Component	Financial Assistance	
NFSM - Rice	Hybrids	Rs. 50 per kg or 50% of the cost whichever is less
	Varieties	Rs. 10 per kg for varieties less than 10 years old
NFSM - Wheat	Varieties	Rs. 10 per kg for varieties less than 10 years old
NFSM - Pulses	Varieties	Rs. 25 per kg or 50% of the cost, whichever is less for varieties less than 15 years old
NFSM - Coarse Cereals	Hybrids	Rs. 50 per kg
	Varieties	Rs. 15 per kg or 50% of the cost whichever is less for varieties less than 10 years old

**Table 3: Subsidized Seed Distribution - Financial Assistance**

### 1.4.3 Integrated Nutrient Management / Integrated Pest Management (INM/IPM)

INM includes distribution of micro nutrients/ lime/ gypsum or sulphur containing fertilizers. A farmer will be given financial assistance (**Table 4**) for a maximum of two hectares for rice, wheat and pulses.

Fertilizer	Financial Assistance
Micronutrient	Rs. 500 per ha or 50% of the cost whichever is less
Liming or paper mud of acidic soil	Rs. 1000 per ha or 50% of the cost whichever is less
Gypsum / other sources of sulphur	Rs. 750 per ha or 50% of the cost whichever is less
Bio-fertilizers	Rs. 100 per ha or 50% of the cost whichever is less

**Table 4: Integrated Nutrient Management - Financial Assistance**

Under IPM or Plant Protection, Rs. 500 per ha or 50% of the cost whichever is less would be provided as assistance for a maximum acreage of two ha per farmer. Assistance is provided for Plant Protection Chemicals, Bio-pesticides and Weedicides.

#### **1.4.4 Farm Mechanization**

NFSM promotes usage of farm machineries or implements in cultivation of target crops for improved production efficiency. Financial assistance to an extent of 50% of the cost of the implements is provided for selected list of 22 implements. Financial subsidy per unit along with the ceiling of assistance is provided in the Annexure - V of the NFSM twelfth five year plan guidelines<sup>10</sup>. 50% of the farmers selected for assistance for Farm Mechanization shall be those who have also been selected for cluster demonstrations. In addition, farm machineries of Sub-Mission of Agricultural Mechanization are also eligible for assistance under NFSM provided if they are not included in the Annexure V of NFSM guidelines.

#### **1.4.5 Capacity Building / Training**

NFSM encourages cropping system based demonstrations for speedy dissemination of improved crop production practices. Each training component needs to have four sessions; two before Kharif and Rabi and one each during the crop season, as per the guideline. The scheme provides financial support of Rs 14000/- per training (Rs.3500/- per session). The capacity building/ training is for all the NFSM food crops.

#### **1.4.6 Local Interventions**

Districts can take up additional, need based interventions to improve the productivity of NFSM crops in addition to the ones that are proposed by the Mission. Such interventions may include augmentation of water resources, post harvest and storage solutions, primary processing etc. Nine percent of the total budget allocation to be provided for local interventions and financial assistance for each intervention is limited to 50% of the cost of the intervention. Such Interventions need to be part of the Strategic Research and Extension Plan (SREP)<sup>11</sup> drawn by Agriculture Technology Management Agency (ATMA)<sup>12</sup> at the district level.

### **1.5 Interventions - Commercial Crops**

Commercial crops covered under NFSM are Cotton, Jute and Sugarcane. Front Line Demonstrations (FLDs)<sup>13</sup> are the major interventions under NFSM commercial crops. Type of FLDs and financial assistance is provided in the Table 5.

Crop	Type of Front Line Demonstration (FLD)	Financial Assistance (Rs per ha)
Cotton	Integrated Crop Management	7,000
	Field FLD on Desi and ELS Cotton/ ELS Cotton Seed Production	8,000
	FLDs on Intercropping	7,000
	Trials on High Density Planting Systems (HDPS)	9,000
Jute	FLD on Alternate Retting Technologies	20,000
	Production Technology/ Intercropping	8,000

## Development Role Manual - National Food Security Mission

Crop	Type of Front Line Demonstration (FLD)	Financial Assistance (Rs per ha)
Sugarcane	Intercropping in Sugarcane	8,000
	Single bud chip technology	8,000

**Table 5: NFSM - Commercial Crops - Interventions**

Other interventions under NFSM CC include Insecticide Resistance Management (IRM) and On Line Pest Monitoring and Advisory Services (OPMAS) in case of Cotton, Seed Production in case of Jute and Establishment of tissue culture laboratories and production of tissue culture seedlings in case of Sugarcane. Common areas of assistance across commercial crops include support for National & State Level Trainings and Monitoring & Evaluation. Financial assistance of each intervention is detailed in the NFSM CC guideline<sup>14</sup>.

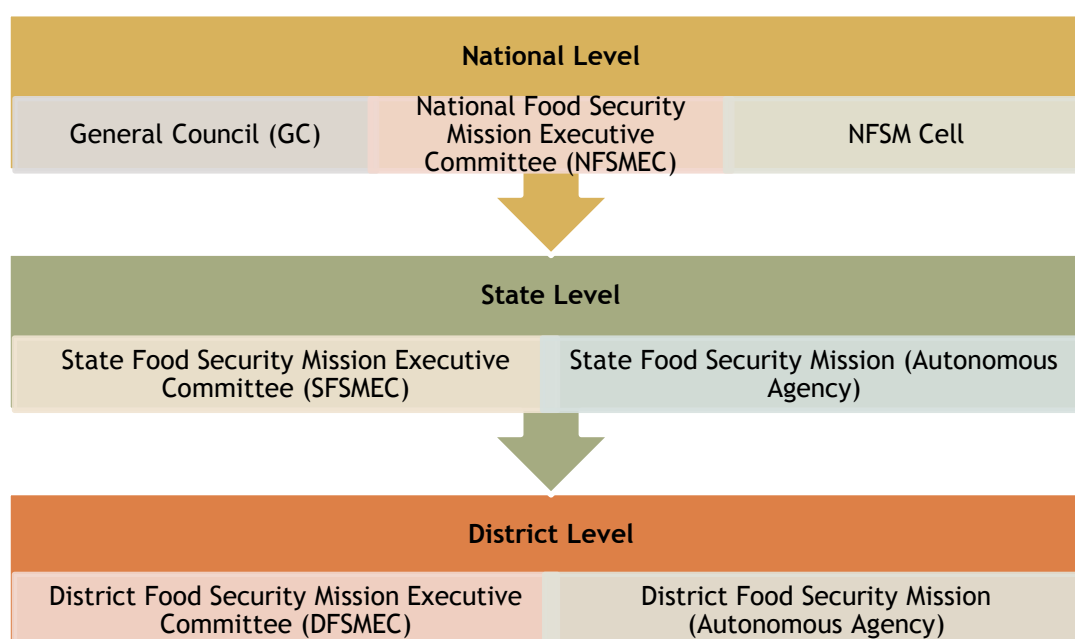
### 1.6 Criteria for selection of beneficiary farmers

In accordance with the decision of the Government of India regarding implementation of Special Component Plan (SCP) for Scheduled Castes and Tribal Sub Plan (TSP) for Scheduled Tribes (ST), 16% and 8% of the total allocation will be earmarked for SCP and TSP respectively. The allocation to SC/ ST farmers will be made proportionate to their population in the district. At least 33% allocation of the fund is to be made for small and marginal farmers and 30% of the fund to be allocated for women farmers.

Gram Panchayats should be involved in selection of beneficiary farmers. Only the farmers willing to cooperate and contribute some of their resources should be selected. Selection of beneficiaries should be done by adopting “Participatory” approach.

### 1.7 Institutional Framework

Generic Institutional Framework at National, State and District levels is provided in the **Figure 3**. However, in case of commercial crops, NFSM is being implemented through Directorate of Cotton Development; Mumbai, Directorate of Jute Development; Kolkata and Directorate of Sugarcane Development; Lucknow.



**Figure 3: NFSM - Institutional Framework**



## A. National Level Implementation

At National Level, General Council (GC) provides policy directions and guidance to the Mission and reviews the overall progress of the Mission. Union Minister of Agriculture and Farmers Welfare is the Chairman of the Council with Mission Director, NFSM as the Member Secretary. National Food Security Mission Executive Committee (NFSMEC), chaired by the Secretary, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW) oversees the activities of the mission and approves the annual State Action Plans. An exclusive NFSM cell in the Crops Division of the DAC&FW coordinates the mission mode execution.

## B. State Level Implementation

State Food Security Mission Executive Committee (SFSMEC) is constituted at the State level under the chairmanship of Chief Secretary to oversee the activities of the Mission. Implementation Agency at the State level is State Food Security Mission (SFSM) which can be a Registered Society or an Autonomous agency<sup>15</sup>. The State Mission would be responsible for developing a long term Perspective Plan, Annual Action Plans and steer implementation at the state level.

## C. District Level Implementation

### District Food Security Mission Executive Committee (DSFMEC)

Districts have a critical role to play in implementation of NFSM interventions. At the District level, District Food Security Mission Executive Committee (DSFMEC) is constituted under the chairmanship of District Collector/ CEO of Zilla Parishad. District Agriculture Officer (or Joint Director or Deputy Director, Agriculture) is the Member Secretary of DSFMEC. Members of the Committee include Project Director (PD); ATMA, representatives from line departments, progressive farmers, farmer groups, NGOs, State Agricultural Universities (SAUs), Krishi Vigyan Kendras (KVKs), Banks and other relevant officials/ public representatives as felt necessary by the District Collector.

District Food Security Mission (DFSM) is responsible for planning, implementation and monitoring of NFSM interventions at the district level. ATMA or the Department of Agriculture can function as DFSM.

### Project Management Team (PMT) at the district level

DSFMEC can constitute Project Management Teams (PMTs) comprising of a District Consultant and two Technical Assistants, if the area under any one of the NFSM Crops is at least 10,000 ha. District Agriculture Officer would oversee the functioning of PMTs. The PMTs would support DSFMEC by providing technical inputs for implementation, capacity building, awareness generation, recording production data through crop cutting experiments<sup>16</sup>, concurrent monitoring and documentation of best practices. PMT also monitors the conduct of demonstrations throughout the cropping season.

## **1.8 Annual Action Plan under NFSM**

DSFMEC will prepare Annual Action Plan<sup>17</sup> keeping in view their priorities and potential for interventions for the target crops and submit the plan to the State Mission Director. The District Plans are participatory in nature, taking into account the block level plans. The plans should ensure convergence and specify the

## Development Role Manual - National Food Security Mission

activities to be supported from other schemes or programs such as Rashtriya Krishi Vikas Yojana (RKVY), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) etc. The State Action Plan would be formulated integrating the district level plans. The SFSMEC submits the State Plan to NFSMEC for scrutiny and approval. Tentative timelines for submission of district / State Annual Action Plans, approval by the NFSMEC and release of funds is indicated in the Figure 4<sup>18</sup>.

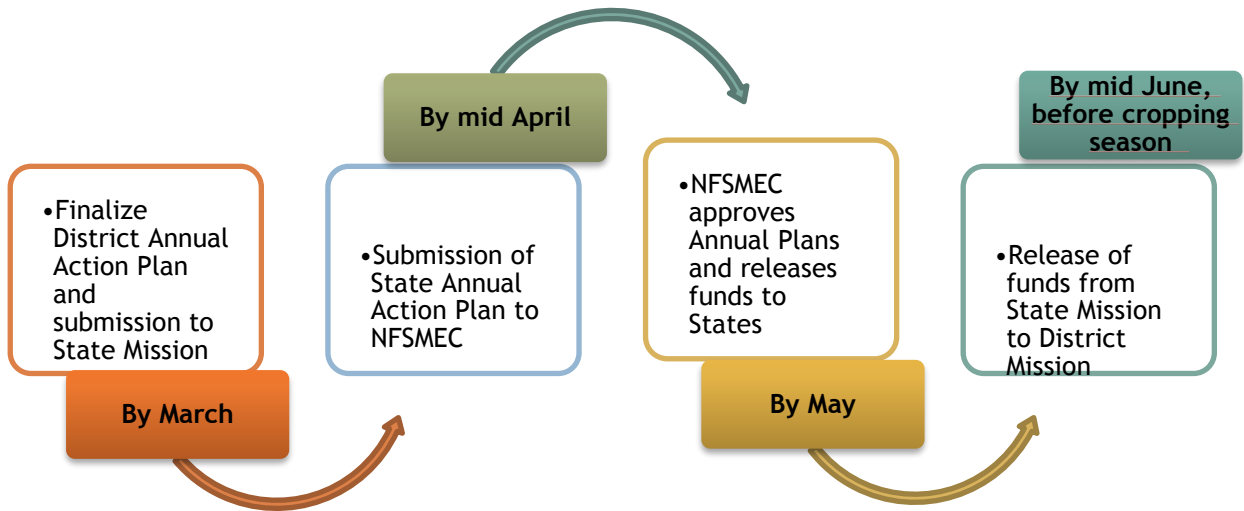


Figure 4: Annual Action Plan under NFSM- Tentative Timeline<sup>19</sup>

\*\*\*

## 2. Roles and Responsibilities of Key District Level Functionaries

### 2.1 NFSM Implementation - Key District Level Functionaries

Organization structure of key stakeholders involved in implementation of NFSM, from District through Gram Panchayat level is shown in **Figure 5**.

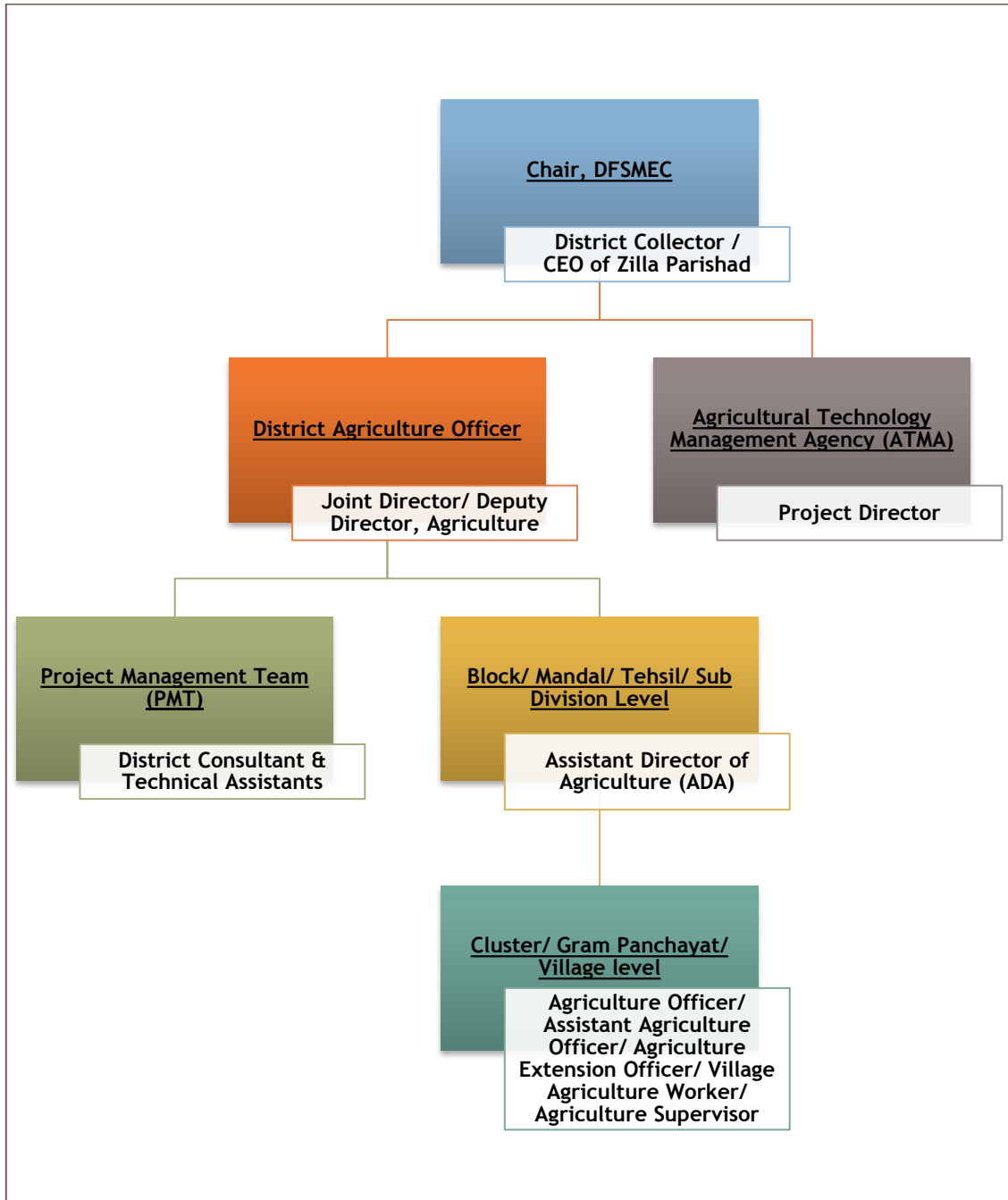


Figure 5: NFSM - Organization Structure at the District

## 2.2 Chair of District Food Security Mission Executive Committee (DFSMEC)

**[District Collector / CEO of Zilla Parishad]**

**Table 6: Roles and Responsibilities of District Collector/ CEO - Zilla Panchayat - Chair, DFSMEC**

Role	Responsibilities	
<b>PLANNING</b>	<b>District Annual Action Plan</b>	
	<ul style="list-style-type: none"> <li>• Facilitate conduct of baseline survey on area, production and yield of target crops, as an input to the Annual Action Plan</li> <li>• Ensure that the DFSMEC consults Indian Council of Agricultural Research (ICAR) Institutions, State Agricultural Universities (SAUs), and Krishi Vigyan Kendras (KVKs) for technical inputs while preparing the plan</li> <li>• Ensure that the Annual Action Plan takes into account; the inputs from block level plans</li> </ul>	
	<b>IMPLEMENTATION</b>	<ul style="list-style-type: none"> <li>• Approve District Annual Action Plan for submission to the State Mission Director</li> <li>• Ensure involvement of Panchayati Raj Institutions (PRIs) in identification of beneficiaries</li> </ul>
		<b>Manpower/ Resources</b>
	<ul style="list-style-type: none"> <li>• Nominate members of DFSMEC (KVKs/ Farmers/ Farmer Groups/ NGOs etc)</li> <li>• Constitute Project Management Team (PMT) at the district level</li> <li>• Constitute District Level Seed Committee to oversee the seed subsidy distribution</li> </ul>	
	<b>Approvals</b>	
	<ul style="list-style-type: none"> <li>• After approval of Annual Action Plan and sanction of funds by the State, approve intra-district allocation of targets for all interventions, proposed by District Agriculture Officer (DAO)</li> <li>• Approve recruitment of District Consultant and Technical Assistants, proposed by DAO</li> <li>• Approve list of beneficiaries for subsidized distribution of inputs proposed by DAO</li> <li>• Approve issue of tenders for procurement of agricultural inputs, proposed by DAO</li> <li>• Approval for empanelling list of suppliers/ agri input companies for subsidized distribution of inputs in the district (if subsidy is administered at the District level)</li> </ul>	
	<b>Capacity Building / Trainings</b>	
	<ul style="list-style-type: none"> <li>• Ensure that the capacity building/ trainings are conducted in the district, as planned (Involve ATMA if applicable)</li> </ul>	
	<b>Fund Management</b>	
	<ul style="list-style-type: none"> <li>• Ensure that the DFSMEC maintains an exclusive account for receipt and expenditure at the district level</li> <li>• Allocate funds to DFSM (Department of Agriculture/ ATMA) in the districts</li> <li>• Approve Utilization Certificates (UCs) prepared by DFSM and ensure that the audited expenditure statements are submitted to the State Mission by June every year</li> <li>• Ensure convergence with schemes like Rashtriya Krishi Vikas Yojana (RKVY), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), Strategic Research and Extension Plan (SREP) etc</li> </ul>	
<b>MONITORING&amp; REPORTING</b>	<ul style="list-style-type: none"> <li>• Chair DFSMEC meetings every quarter for monitoring progress of NFSM implementation in district</li> <li>• Ensure that the DFSM submits monthly progress reports (physical and financial progress) to the State Mission by 5<sup>th</sup> of every month</li> </ul>	

## 2.2 Key functionaries - NFSM implementation at the district level

### [District Agriculture Officer at the District Level]

Table 7: Roles and Responsibilities of District/ Block/ Village level Officers

	District Level	Block/ Mandal/ Tehsil / Sub Division Level	Cluster / Gram Panchayat/ Village Level
Role / Officer Responsible	District Agriculture Officer (Joint Director/ Deputy Director; Agriculture)	Assistant Director of Agriculture	Agriculture Officer/ Assistant Agriculture Officer/ Agriculture Extension Officer/ Village Agriculture Worker/ Agriculture Supervisor
<b>PLANNING</b>			
<b>PREPARATION OF ANNUAL ACTION PLAN</b>	<ul style="list-style-type: none"> <li>Assess the districts' demand for NFSM interventions based on block level plans (demonstrations, inputs, input subsidy etc)</li> <li>Collect and maintain basic Agricultural and allied statistics of the district</li> <li>Develop Annual Action Plan for approval by the State Mission</li> </ul>	<ul style="list-style-type: none"> <li>Determine area &amp; production of NFSM crops in the block</li> <li>Estimate demand for interventions under NFSM, translate into Block Annual Plan and submit to the District</li> </ul>	<ul style="list-style-type: none"> <li>Assess demand for NFSM interventions (demonstrations and agricultural inputs) and submit the requirement to block</li> </ul>
<b>IMPLEMENTATION</b>			
<b>ALLOCATIONS / TARGETS</b>	<ul style="list-style-type: none"> <li>Receive district annual allocations from the State Mission and re-allocate targets to Blocks</li> <li>Submit re-allocations for approval by the District Collector</li> <li>Communicate approved targets to Blocks for implementation</li> </ul>	<ul style="list-style-type: none"> <li>Distribution of targets to GP/ Villages</li> </ul>	<ul style="list-style-type: none"> <li>Ensure targets are achieved at the village level</li> </ul>
<b>RESOURCES</b>	<ul style="list-style-type: none"> <li>Identify District Consultant &amp; Technical Assistants as part of PMT<sup>20</sup> and propose to the District Collector for recruitment</li> <li>Liaison with KVK, Agricultural Research Organizations located in the districts for technical inputs in demos</li> <li>Assess input requirement of the district for NFSM interventions during the year</li> <li>Organize capacity building programs/ trainings as per the guideline</li> </ul>		
<b>DEMONSTRATIONS</b>	<ul style="list-style-type: none"> <li>Ensure that 30% of the demonstrations are cropping system based</li> <li>Recommend farmer applications at the district level for approval by Chair, DFSMEC</li> </ul>	<ul style="list-style-type: none"> <li>Ensure that the village level promotional are performed on time</li> <li>Scrutinize farmer applications from village level and recommend for</li> </ul>	<ul style="list-style-type: none"> <li>Promote the scheme through awareness campaigns &amp; publicity activities</li> <li>Conduct Gram Sabhas, sensitize &amp; identify farmers</li> </ul>

## Development Role Manual - National Food Security Mission

	District Level	Block/ Mandal/ Tehsil / Sub Division Level	Cluster / Gram Panchayat/ Village Level
<b>Role / Officer Responsible</b>	<b>District Agriculture Officer (Joint Director/ Deputy Director; Agriculture)</b>	<b>Assistant Director of Agriculture</b>	<b>Agriculture Officer/ Assistant Agriculture Officer/ Agriculture Extension Officer/ Village Agriculture Worker/ Agriculture Supervisor</b>
	<ul style="list-style-type: none"> <li>Plan and supervise field demonstrations and trainings</li> <li>Compile results of demonstrations at the district level with inputs from Blocks and report to State Mission</li> <li>Document success stories</li> </ul>	<ul style="list-style-type: none"> <li>approval by the District</li> <li>Maintain record on approved list of farmers involved in demonstrations along with the inputs distributed</li> <li>Supervise timely distribution of inputs to demo farmers</li> <li>Compile results of demonstrations at the block level</li> </ul>	<ul style="list-style-type: none"> <li>Select farmers for Demos (33% allocation to small &amp; marginal farmers, 30% to women farmers, 16% to SCs &amp; 8% to STs, as per the guidelines)</li> <li>Collect farmer applications at the village level and submit to block</li> <li>Distribution of Inputs/ mini kits to demo farmers</li> <li>Organize field days as part of the demonstrations Organize training sessions to the farmers , before and after commencement of cropping seasons</li> </ul>
<b>DISTRIBUTION OF SUBSIDIZED AGRICULTURAL INPUTS</b>  <b>(Seed/ Plant Protection Chemicals/ Nutrients &amp; Farm Implements)</b>	<ul style="list-style-type: none"> <li>Finalize the list of beneficiaries/ farmers availing input subsidy and recommend to the District Collector for final approval (<i>In case of Farm Mechanization, involve ZP in identifying beneficiaries</i>)</li> <li>Take approval from the District Collector before initiation of tender process for procurement of agricultural inputs</li> <li>Empanel a list of suppliers at the district level for supply of agricultural inputs through tenders</li> <li>Take final approval of the District Collector on the list of empanelled suppliers</li> <li>Place order/ indent for supply of inputs at the mandal level distribution points</li> <li>Collect consolidated statements on quantity of inputs distributed, supplier wise from Block level (<i>submit to the State Mission if subsidy is disbursed at the State Level</i>)</li> <li>Process subsidy payments to</li> </ul>	<ul style="list-style-type: none"> <li>Scrutinize the list of farmers identified for subsidy operations and recommend to the District for approval</li> <li>Take stock of the inputs placed at mandal level for distribution by the empanelled suppliers</li> <li>Determine the quantity of inputs required by the farmer &amp; subsidy eligibility</li> <li>Ensure timely distribution of inputs</li> <li>Prepare and submit to the District, a consolidated statement of inputs placed and distributed</li> </ul>	<ul style="list-style-type: none"> <li>Make farmers aware of subsidized distribution of agricultural inputs and encourage them to avail subsidy</li> <li>Identify beneficiary farmers at the village level in consultation with PRIs</li> </ul>

## Development Role Manual - National Food Security Mission

	District Level	Block/ Mandal/ Tehsil / Sub Division Level	Cluster / Gram Panchayat/ Village Level
Role / Officer Responsible	District Agriculture Officer (Joint Director/ Deputy Director; Agriculture)	Assistant Director of Agriculture	Agriculture Officer/ Assistant Agriculture Officer/ Agriculture Extension Officer/ Village Agriculture Worker/ Agriculture Supervisor
	input suppliers/ companies from DFMS account ( <i>not applicable for state administered subsidies</i> )		
<b>FUND MANAGEMENT</b>	<ul style="list-style-type: none"> <li>• Maintain an exclusive account for receipt and expenditure</li> <li>• Prepare Utilization Certificates along with detailed statements on various interventions undertaken during the FY for approval by the District Collector</li> <li>• Submit audited Utilization Certificates to the State Mission by June</li> </ul> Ensure Direct Benefit Transfer (DBT) implementation at the district level <sup>21</sup>		
<b>MONITORING &amp; REPORTING</b>			
<b>MONITORING &amp; REPORTING</b>	<ul style="list-style-type: none"> <li>• Randomly inspect/ monitor input subsidy operations in the district (both quantity and quality)</li> <li>• Regularly monitor NFSM implementation in the district with the help of the PMT</li> <li>• Submit monthly progress reports to the State Mission by 5<sup>th</sup> of every month</li> <li>• Regularly monitor crop condition, major incidence of insect/pest, nutrient deficiency with the help of PMT</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor the implementation in the villages/ GPs/ Clusters as applicable</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>

\*\*\*

**NFSM - IMPLEMENTATION MONITORING PROFORMA (MONTHLY REPORT)**  
**[For District Level Functionaries based on the Annual Action Plan]**

**(1) DEMONSTRATIONS ON IMPROVED TECHNOLOGIES**

**1.1 Physical progress - Cluster Demonstrations (in hectares)**

Block	RICE			Wheat			Pulses			Coarse Cereals		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												

**1.2 Physical progress - Cropping System Based Demonstrations (in hectares)**

Block	RICE			Wheat			Pulses			Coarse Cereals		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												

**1.3 Financial Progress (in Lakhs)**

Block	RICE			Wheat			Pulses			Coarse Cereals		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												



**(2) SEED SUBSIDY**

**2.1 Physical progress - (in Quintals)**

Block	RICE			Wheat			Pulses			Coarse Cereals		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												

**2.2 Financial Progress (in Lakhs)**

Block	RICE			Wheat			Pulses			Coarse Cereals		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												

**(3) INM/ IPM**

**3.1 Physical progress - (in hectares)**

Block	Micronutrients			Gypsum			Plant Protection Chemicals			Weedicides		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												
Block 5												

\*Not Applicable for coarse cereals

Development Role Manual - National Food Security Mission

**3.2 Financial Progress (in Lakhs)**

Block	Micronutrients			Gypsum			Plant Protection Chemicals			Weedicides		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Block 1												
Block 2												
Block 3												
Block 4												

\*Not Applicable for coarse cereals

**(4) Farm Mechanization / Irrigation (Physical Progress in Numbers and Financial Progress in Lakhs)**

Farm Machinery / Implement/ Water Application Tools (Indicative)	Physical			Financial		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Manual Sprayers						
Battery Operated Sprayers						
Knapsack Sprayers						
Seed Drills						
Rotovator						
Ridge Furrow Planters						
Power Weeders						
Cono weeder						
Sprinklers sets						
Pump Sets						
Water Carrying Pipes						

\*Covered under NFSM Rice, Wheat and Pulses

**(5) Capacity Building / Trainings (Physical Progress in Number of Farmers and Financial in Lakhs)**

Crop / Training Session (Indicative)	Physical			Financial		
	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)	TARGET (from AAP)	ACHIEVEMENT (during the month)	ACHIEVEMENT (Cumulative)
Pulses - 1 <sup>st</sup> Session (Before Kharif)						
Pulses - 2 <sup>nd</sup> Session (During Kharif)						
Pulses - 3 <sup>rd</sup> Session (Before Rabi)						
Pulses - 4 <sup>th</sup> Session (During Rabi)						

\*Covered under NFSM Rice, Wheat and Pulses

## ABBREVIATIONS

AAO	Assistant Agriculture Officer
ADA	Assistant Director of Agriculture
AEO	Agriculture Extension Officer
AO	Agriculture Officer
ATMA	Agricultural Technology Management Agency
CEO	Chief Executive Officer
DAC & FW	Department of Agriculture, Cooperation and Farmers Welfare
DAO	District Agriculture Officer
DC	District Collector
DDA	Deputy Director of Agriculture
DFSM	District Food Security Mission
DFSMEC	District Food Security Mission Executive Committee
ELS	Extra Long Staple
FLD	Front Line Demonstrations
FY	Financial Year
GC	General Council
GP	Gram Panchayat
Ha	Hectare
ICAR	Indian Council of Agricultural Research
JDA	Joint Director of Agriculture
KVK	Krishi Vigyan Kendras
NDC	National Development Council
NFSM	National Food Security Mission
NFSMEC	National Food Security Mission Executive Committee
NGO	Non Government Organization
PD	Project Director
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PMT	Project Management Team
PoP	Package of Practices
PRI	Panchayat Raj Institutions
RKVY	Rashtriya Krishi Vikas Yojana
SAU	State Agricultural University
SC	Scheduled Caste
SFSM	State Food Security Mission
SFSMEC	State Food Security Mission Executive Committee
SREP	Strategic Research and Extension Plan
ST	Scheduled Tribe
ToT	Transfer of Technology
UC	Utilization Certificate
VAW	Village Agriculture Worker
ZP	Zilla Parishad

## ENDNOTES& REFERENCES

- 1 NFSM 12<sup>th</sup> Plan Guidelines available at <http://nfsm.gov.in/Guidelines/XIIPlan/NFSMXII.pdf>  
Amendment in NFSM Operational Guidelines (12<sup>th</sup> Five Year Plan) from 2016-17 onwards dt 7 April 2016 available at <http://nfsm.gov.in/Guidelines/XIIPlan/Revised%20Operational%20Guidelines%20-%2012th%20-%20for%20the%20year%202016-17%20regs%20-%2007.04.2016%20.pdf>
- 2 List of implementing districts, state wise and crop wise is available at <http://www.nfsm.gov.in/District/DistrictName2016.pdf>
- 3 Commercial Crops under NFSM include Cotton, Jute and Sugarcane. Crop Development of these commercial crops under NFSM is being implemented w.e.f 2014-15. Guidelines available at <http://nfsm.gov.in/Guidelines/XIIPlan/PRINTER%20Guide%20Line%20Final%20-%202016%20-%202014.pdf>
- 4 **Transfer of Technology (ToT):** Technology transfer, also called transfer of technology (TOT) in agriculture , is the process of transferring (disseminating) technology from the place of its origin to wider distribution among more farmers and agro climatic regions.
- 5 **Circular on fund allocation:** According to the recent circular dt. 10<sup>th</sup> April 2017, intervention wise allocation of funds is as indicated, circular can be accessed at [http://nfsm.gov.in/Circulars\\_Notifications/2017-18/ActionPlan\\_10April2017.pdf](http://nfsm.gov.in/Circulars_Notifications/2017-18/ActionPlan_10April2017.pdf)
- 6 **Field Demonstrations :** Demonstrations are one of the agricultural extension methods where the farmers observe the impact of a particular technology / variety of seed on a peer farmers field. There are two kinds of field demonstrations, “Method” demonstration meant for “how” part of the technology and “Result” demonstration which is for understanding the incremental yield due to usage of a particular technology.
- 7 **Package of Practices (PoP):** PoP are a set of crop production / management practices right from land preparation and sowing to harvesting and post harvest management. They include nutrient management, plant protection, inter cultural practices, harvest management etc.
- 8 **Field Days:** Field days is one of the extension methods where visits are organized by the extension functionaries for the lead farmers, opinion leaders and farmer groups for dissemination of newly developed technologies, package of practices etc.
- 9 **Front Line Demonstrations (FLDs):** Front Line demonstrations (FLDs) is a unique approach to provide an direct interface between researcher and farmers as the scientists are directly involved in planning, execution and monitoring of the demonstrations for the technologies developed by them and get direct feedback from the farmers’ field about the crops like wheat, rice and pulses production in general and technology being demonstrated in particular. FLDs are meant for new technologies. FLD guidelines under NFSM are available at <http://www.nfsm.gov.in/Guidelines/FLDGuidelines.pdf>
- 10 Reference 1
- 11 **Strategic Research and Extension Plan (SREP):** SREP is a demand driven, situation specific, multi actor oriented plan to accelerate agricultural development in the district. The plan consists of development activities in the district, resources, and ways and means of their execution.
- 12 **Agriculture Technology Management Agency (ATMA):** ATMA is an autonomous agency under the Ministry of Agriculture that has its presence in the districts to bring together researchers, extension agents, farmers and other stakeholders (NGOs, Corporates etc) for effective Transfer of Technology (ToT) and improved agricultural extension services.
- 13 Reference 8
- 14 Reference 2
- 15 State Governments nominate/ create a suitable autonomous agency registered under the Societies Registration Act for implementing the Mission at the State and district levels during 11th Plan. Such an agency could be the State Agricultural Management & Extension Training Institute (SAMETI) at the State Level and the Agricultural Technology Management Agency (ATMA) at the district level. The agency thus nominated is implementing the Mission's programme in the State during 12th Plan.

- <sup>16</sup> **Crop Cutting Experiments** : Crop cutting experiments are Multi staged Stratified Random sampling methods used to estimate crop yields of a location
- <sup>17</sup> **Annual Action Plan format**: Available in Annexure III (a-d) of Reference 1
- <sup>18</sup> Timelines for various duties of key functionaries from Crops Division of DAC&FW available at [http://www.nfsm.gov.in/Circulars\\_Notifications/2016-17/CU\\_2\\_Reckoner2016-17.pdf](http://www.nfsm.gov.in/Circulars_Notifications/2016-17/CU_2_Reckoner2016-17.pdf)
- <sup>19</sup> Communication from DAC&FW to States on Implementation of National Food Security Mission (NFSM) during 2016-17 - preparation of Action Plan dt. 23<sup>rd</sup> March 2016
- <sup>20</sup> Qualifications of District Consultant and Technical Assistant available at Annexure - I (a) Basic Qualification, Experience and Honorarium of Advisors/ Consultants / Technical Assistants, Reference 1.
- <sup>21</sup> Circular on DBT available at [http://nfsm.gov.in/Circulars\\_Notifications/2017-18/DBT\\_NFSM\\_June2017.pdf](http://nfsm.gov.in/Circulars_Notifications/2017-18/DBT_NFSM_June2017.pdf)