

# **NATIONAL FOOD SECURITY MISSION**

## **OPERATIONAL GUIDELINES**

**(12<sup>th</sup> Five Year Plan)**

**Department of Agriculture & Cooperation**

**Ministry of Agriculture**

**Government of India**

**Krishi Bhawan, New Delhi-110001**

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## ABBREVIATIONS

ACPP	Accelerated Crop Production Programme
APR	Annual Progress Report
ATMA	Agricultural Technology Management Agency
CCI	Cotton Corporation of India
CDD	Crop Development Directorate
CIAE	Central Institute of Agricultural Engineering
CICR	Central Institute of Cotton Research
CRIJAF	Central Research Institute of Jute and Allied Fibers
CRRI	Central Rice Research Institute
CSC	Central Seeds Committee
CYMMIT	International Maize and Wheat Improvement Center
DAC	Department of Agriculture and Cooperation
DFSMEC	District Food Security Mission Executive Committee
DOCD	Directorate of Cotton Development
DOJD	Directorate of Jute Development
DOSD	Directorate of Sugarcane Development
DRR	Directorate of Rice Research
DWR	Directorate of Wheat Research
ELS	Extra Long Staple Cotton
FLDs	Front Line Demonstrations
FPO	Farmer -Producer Organization
GC	General Council
HDPS	High Density Planting Systems
HYV	High Yielding Variety
ICAR	Indian Council of Agricultural Research
ICDP	Integrated Cereal Development Programme
ICRISAT	International Crops Research Institute for the Semi - Arid Tropics
ICT	Information Communication Technology
INM	Integrated Nutrient Management
IIPR	Indian Institute of Pulses Research
IPM	Integrated Pest Management
IRM	Insecticide Resistance Management
INM	Integrated Nutrient Management
IPM	Integrated Pest Management
IRRI	International Rice Research Institute
IISR	Indian Institute of Sugarcane Research
IISS	Indian Institute of Soil Science
JTM	Jute Technology Mission
KVK	Krishi Vigyan Kendra
NABARD	National Bank for Agriculture and Rural Development
NAFED	National Agricultural Cooperative Marketing Federation of India Limited
NALMOT	National Level Monitoring Team
NCIPM	National Centre for Integrated Pest Management
NDC	National Development Council

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NFSM	National Food Security Mission
NFSMEC	National Food Security Mission Executive Committee
NGO	Non-Government Organizations
NSC	National Seeds Corporation
NIRJAFT	National Institute of Research on Jute & Allied Fiber Technology
OPMAS	On Line Pest Monitoring and Advisory Services
PMT	Project Management Team
QPR	Quarterly Progress Report
SAMETI	State Agricultural Management and Extension Training Institute
SAU	State Agriculture University
SBI	Sugarcane Breeding Institute
SDA	State Department of Agriculture
SFAC	Small Farmers Agri-business Consortium
SSC	State Seed Corporation
SSCA	State Seed Certification Agency
SC	Schedule Caste
SC	Seed Committee
SCP	Special Component Plan
SFCI	State Farms Corporation of India
SFSMEC	State Food Security Mission Executive Committee
SHGs	Self Help Groups
SRI	System of Rice Intensification
SSCA	State Seed Certification Agency
ST	Schedule Tribe
TSP	Tribal Sub-Plan
TMC	Technology Mission on Cotton
VSI	Vasant Dada Sugar Institute
UPCSR	Uttar Pradesh Council of Sugarcane Research

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# National Food Security Mission

## Operational Guidelines

### 1. Introduction

1.1 The National Development Council (NDC) in its 53rd meeting held on 29th May, 2007 adopted a resolution to launch a Food Security Mission comprising rice, wheat and pulses to increase the annual production of rice by 10 million tons, wheat by 8 million tons and pulses by 2 million tons by the end of the Eleventh Plan (2011-12). Accordingly, a Centrally Sponsored Scheme, 'National Food Security Mission' (NFSM), was launched in October 2007. The Mission met with an overwhelming success and achieved the targeted additional production of rice, wheat and pulses. The Mission is being continued during 12th Five Year Plan with new targets of additional production of food grains of 25 million tons of food grains comprising of 10 million tons rice, 8 million tons of wheat, 4 million tons of pulses and 3 million tons of coarse cereals by the end of 12th Five Year Plan. Based on past experience and feedback received from the States major changes have been made in approach, norms of financial assistance and programme implementation strategy which are reflected in the revised operational guidelines.

1.2 The National Food Security Mission (NFSM) during the 12th Five Year Plan will have five components (i) NFSM- Rice; (ii) NFSM-Wheat; (iii) NFSM-Pulses, (iv) NFSM-Coarse cereals and (v) NFSM-Commercial Crops.

### 2. Objectives

2.1 Increasing production of rice, wheat, pulses and coarse cereals through area expansion and productivity enhancement in a sustainable manner in the identified districts of the country;

2.2 Restoring soil fertility and productivity at the individual farm level; and

2.3 Enhancing farm level economy (i.e. farm profits) to restore confidence amongst the farmers.

### 3. Strategy

To achieve the above objectives, the Mission would adopt following strategies:

- i. Focus on low productivity and high potential districts including cultivation of food grain crops in rain fed areas.
- ii. Implementation of cropping system centric interventions in a Mission mode approach through active engagement of all the stakeholders at various levels.
- iii. Agro-climatic zone wise planning and cluster approach for crop productivity enhancement.

- iv. Focus on pulse production through utilization of rice fallow, rice bunds and intercropping of pulses with coarse cereals, oilseeds and commercial crops (sugarcane, cotton, jute).
- v. Promotion and extension of improved technologies i.e., seed, integrated nutrient management (INM) including micronutrients, soil amendments, integrated pest management (IPM), input use efficiency and resource conservation technologies along with capacity building of the farmers/extension functionaries.
- vi. Close monitoring of flow of funds to ensure timely reach of interventions to the target beneficiaries.
- vii. Integration of various proposed interventions and targets with the district plan of each identified district.
- viii. Constant monitoring and concurrent evaluation by the implementing agencies for assessing the impact of the interventions for a result oriented approach.

## 4. Structure

### 4.1 National Level

4.1.1 The General Council (GC) constituted under the chairmanship of the Union Agriculture Minister would continue to function in 12th Plan. The Mission Director will continue to function as Member-secretary of the GC. The composition of the GC will remain as under:

(i) Minister of Agriculture	Chairman
(ii) Secretary (A&C)	Member
(iii) Secretary (DARE) & DG (ICAR)	Member
(iv) Secretary Department of Expenditure, Ministry of Finance	Member
(v) Secretary Department of Food and Public distribution Ministry of Food, Consumers Affairs and Public Distribution	Member
(vi) Secretary, Ministry of Panchayati Raj	Member
(vii) Secretary, Ministry of Tribal Affairs	Member
(viii) Secretary Department of Social Justice and Empowerment Ministry of Social Justice and Empowerment	Member
(ix) Secretary Ministry of Women and Child Development	Member
(x) Adviser (Agriculture) Planning Commission	Member
(xi) Agriculture Commissioner ,DAC	Member

(xii) Mission Director , NFSM

Member secretary

4.1.2 The GC is the policy making body providing suitable directives and guidance to the Mission and reviewing the overall progress and development of the scheme. The GC is empowered to lay down and amend the operational guidelines, decide need based re-allocation of resources across States and districts and approve projects as per the requirements. The GC will meet at least twice a year.

4.1.3 The National Food Security Mission Executive Committee (NFSMEC) would continue under the Chairmanship of Secretary, Department of Agriculture & Cooperation to oversee the activities of the Mission and to approve the annual State Action Plans. The constitution of NFSMEC is as under:

(i) Secretary (A&C)	Chairman
(ii) Secretary (DARE) & DG (ICAR)	Member
(iii) Secretary, Ministry of Water Resources	Member
(iv) Secretary, Department of Fertilizers	Member
(v) Secretary, Ministry of Panchayati Raj	Member
(vi) Secretary, Ministry of Tribal Affairs	Member
(vii) Secretary Department of Social Justice and Empowerment Ministry of Social Justice and Empowerment	Member
(viii) Secretary Ministry of Women and Child Development	Member
(ix) Adviser (Agriculture), Planning Commission	Member
(x) Agriculture Commissioner	Member
(xi) Five Experts	Member
(xii) Mission Director	Member- secretary

4.1.4 The Chairman may nominate additional members to the committee as per requirement. The NFSMEC will meet once in every quarter.

4.1.5 A National Food Security Mission Cell created in the Crops Division during 11th Plan will continue in 12<sup>th</sup> Plan. The cell will have three Additional Commissioners, three Deputy Commissioners, two Assistant Commissioners, three Assistant Directors, three STAs and supporting staff.

## 4.2 State Level

4.2.1 The State Food Security Mission Executive Committee (SFSMEC) constituted by the State Government under the chairmanship of Chief Secretary to oversee the activities of the Mission in the State will continue. The constitution of the State Food Security Mission Executive Committee (SFSMEC) is as follows:

(i) Chief Secretary	Chairman
(ii) Agriculture Production Commissioner	Member
(iii) Secretary (Agriculture)	Member
(iv) Secretary (Irrigation)	Member
(v) Secretary (Power)	Member
(vi) Secretary (Panchayati Raj)	Member
(vii) Secretary (Tribal Affairs)	Member
(viii) Secretary (Social Welfare Department)	Member
(ix) Vice Chancellor(s) of SAUs	Member
(x) Director Agriculture	Member
(xi) Director/Project Director of ICAR Institutes	Member
(xii) Representatives of NABARD and Lead Bank	Member
(xiii) State Mission Director	Member-Secretary

4.2.2 The State Governments have nominated/created a suitable autonomous agency registered under the Societies Registration Act for implementing the Mission at the State and district levels during 11<sup>th</sup> 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 will implement the Mission's programme in the State during 12th Plan.

4.2.3 Separate accounts for the scheme would be maintained by the State and the District level Agencies as per the Account code prescribed by the NFSMEC. The annual accounts would be duly audited by a chartered accountant every year.

4.2.4 The State Level Agency will have the following responsibilities:

- (i) Prepare perspective and annual State Action Plan in consonance with the Mission's goals and objectives and in close coordination with SAUs and ICAR Institutes.
- (ii) Organize / conduct baseline survey and feasibility studies in the area of operation (district, sub-district or a group of districts) to determine the status of crop production, its potential and demand. Similar studies would also be undertaken for other components of the programmes.



- (iii) Implementation of the Mission's activities in the State through Farmers Societies, Non-Governmental Organizations (NGOs), Growers' associations, Self-Help Groups(SHG), State institutions and other similar entities.
- (iv) Organize workshops, seminars and training programmes for farmers and other stakeholders at the State level in collaboration with SAUs and ICAR Institutes.
- (v) Execution of approved Action Plan for the State from fund received from Government of India for National Food Security Mission.

### **4.3 District Level**

4.3.1 At the district level, the scheme will be implemented through ATMA. The State Level Agency will provide the required funds to the District Level Agency for execution of the programme at the district/block level.

4.3.2 A District Food Security Mission Executive Committee (DFSMEC) constituted in 11th Plan will continue to function for project formulation, implementation and monitoring of the scheme components through the Agriculture Department.

4.3.3 DFSMEC has representatives from the line Departments concerned including SAUs, Krishi Vigyan Kendras (KVKs), ATMA, progressive farmers, SHGs of farmers and reputed NGOs as its members. The Deputy Director (Agriculture)/District Agriculture Officer is the Member Secretary of the DFSMEC. The constitution of the DFSMEC is as follows:

- |  |          |
|--|----------|
| (i) District Collector/CEO<br>of Zilla Parishad          | Chairman |
| (ii) Representatives from<br>line Departments            | Member   |
| (iii) Nominated progressive<br>farmers                   | Member   |
| (iv) Representatives from Self<br>Help Groups of farmers | Member   |
| (v) Representatives from<br>reputed NGOs                 | Member   |
| (vi) Representative of KVK /ICAR/<br>SAU                 | Member   |
| (vii) Project Director ATMA                              | Member   |
| (viii) Representative from Lead Bank and NABARD          | Member   |

(ix) Deputy Director (Agriculture)/District Agricultural Officer	Member Secretary
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4.3.4 Chairman, DFSMEC may nominate additional officials/persons of importance as felt necessary.

#### 4.4 Project Management Team

4.4.1 The Project Management Team (PMT) constituted at the National level will continue to function under the leadership of the Mission Director. Advisors/Consultants in identified fields of expertise, Program Manager, Senior Programmers, Technical Assistants, and supporting staff will form part of the national PMT.

4.4.2 PMTs constituted at the State and the district levels would continue in 12th Plan. States with more than 15 districts under NFSM would be eligible for additional one state level Consultant and two Technical Assistants for every additional 15 districts. The states may engage one accountant in place of one TA at State Head Quarter to assist in preparation and maintenance of accounts etc. The districts covered under NFSM will be entitled for one PMT if the area under any one of the NFSM crops is at least 10000 ha. In addition, Crop Development Directorates will be provided with one State level Consultant and two Technical Assistants each. The number of PMTs provided for each state is given in **Annexure-I (b)**. In addition, Rs. 1.2 lakh is allowed annually for hiring the vehicle to each District and State PMT for field visits. List of districts having provision of PMT is given in **Annexure-I(c)**.

4.4.3 The State/district PMTs constituted will continue to function under the leadership of the State Mission Director/District Agriculture Officer. The State/district Consultants and Technical Assistants would be members of the PMT. The PMTs will have the responsibility to ensure collaboration among various line departments in the Centre / State /District to achieve the targets. The appointment of technical manpower will be made on contract basis with the terms of reference laid down for the purpose by NFSMEC. The PMT will provide the technical services/advice. Basic qualifications and experience for the candidates of PMTs along with honorarium to be appointed on contractual services are given at **Annexure-I(a)**. Duties of Consultants and Technical Assistants are given in **Annexure-I (d)**.

4.4.4 The Project Management Team will have the following responsibilities:

(a) Guide the States/districts in organizational and technical matters.

(b) Help in the implementation and monitoring of the various interventions of the Mission.

(c) Assist the States/districts in capacity building programmes and record the data on crop yield through crop cutting experiments.

(d) Assist the district and State agencies in concurrent evaluation based on case studies in identified districts and document and disseminate the success stories.

(e) Undertake publicity/ information campaign to create awareness about the Mission activities.

4.4.5 ICAR institutes, SAUs and KVKs functioning in the district will provide technical support in formulation of district action plans, its implementation and monitoring. The technical staff will be sourced from these organizations for imparting training to the farmers and extension personnel.

## **5. Role of Panchayati Raj Institutions**

5.1 Panchayati Raj Institutions will be actively involved in selection of beneficiary and selection of interventions under Local Initiatives in the identified districts.

5.2 A model activity map is given at **Annexure-I(e)**. The States will prepare Activity Map suitable to their local conditions.

## **6. Area of Operation of Food Security Mission**

6.1 NFSM-Rice, NFSM-Wheat, NFSM-Pulses and NFSM-Coarse Cereals will be implemented in 199, 119, 557 and 182 identified districts of different States, respectively. List of the identified districts is given at **Annexure-II (a-d)**.

### **6.2 Criteria for selection of districts:**

(a) Districts with area more than 50,000 ha and yield below State average yield under NFSM-rice and NFSM-wheat have been selected.

(b) All districts of 16 states included earlier under pulses during 11<sup>th</sup> Five Years Plan have been selected. All districts of North Eastern States including Sikkim have been included.

(c) In case of coarse cereals, the districts covering 70 % of the total coarse cereals area of the State have been selected.

(d) All districts of north-eastern states (except Assam) with at least 5000 ha area under rice have been selected.

(e) Districts with at least 15000 ha area under rice or wheat in hill states of Himachal Pradesh, Jammu & Kashmir and Uttarakhand have been selected.

- 6.3 The General Council (GC) is empowered to include or exclude the districts for implementation of various components of the Mission based on the latest available data of area, production and yield of the component crops.

## **7. Mechanism of Fund Flow**

- 7.1 Funds for implementing the Mission's programme will be released to the State governments with the approval of the NFSMEC. The State governments will release the funds to the State Level Agency. The State Level Agency would make funds available to the District Level Agency in accordance with approved programme of the district. Funds would be released in installments based on the progress reports and submission of utilization certificate.
- 7.2 The funds for the implementation of the activities of the components will be released by the State/District Level Agency to the nodal departments for the procurement of the required inputs. The nodal departments will submit the utilization certificate to the State/District Level Agency which, will be compiled and a consolidated utilization certificate, duly authenticated by the DFSMEC and SFSMEC will be submitted to the Ministry of Agriculture, Govt. of India for further release of fund.
- 7.3 As far as possible 'electronic banking' will be used for transfer of funds to the State Level Agency and further to the districts. The State Level Agency will have to maintain a separate budget and prescribed accounting system for the Mission, both at the State and district level.

## **8. Procedure for Approval and Implementation**

- 8.1 The Department of Agriculture & Cooperation, Government of India would communicate component-wise tentative annual outlay to each State for developing Annual Action Plan. The agency (DFSMEC) at the district level will prepare the annual action plan keeping in view their priority and potential and submit the plan to the State Mission Director. The State Mission Director will prepare a State Action Plan based on the District Action Plans. The State Mission Director will get the State Action Plan vetted by the State Food Security Mission Executive Committee (SFSMEC) and furnish the same in prescribed format (**Annexures III (a-d)**) to Ministry of Agriculture for consideration by the NFSMEC. Along with Annual Action Plan, State would also submit a brief report on implementation of NFSM in preceding year, interventions undertaken, salient outcomes, lessons learnt, success stories etc.
- 8.2 SFSMEC is empowered to make inter-componental changes in budgetary allocation based on the local needs to the extent of 20 % of the total allocation.

## 9. Monitoring mechanism

- 9.1 The Mission will have a strong mechanism of monitoring and evaluation with the involvement of all the implementing agencies and the line departments. At the district level, monitoring will be undertaken by DFSMEC supported by the Project Management Team.
- 9.2 Close monitoring of physical and financial targets of various program interventions would be done by the monitoring teams. Format for monitoring these interventions would be prescribed by NFSMEC.
- 9.3 The State Department of Economics and Statistics will be involved in adopting the prescribed format for data collection pertaining to different parameters of the Mission for monitoring to suit the local requirements.
- 9.4 At the State level, the activities of the Mission will be monitored by a Committee to be constituted under the Chairmanship of the State Mission Director with members from the line departments, SAUs, Lead Bank, NABARD, ICAR institutes and Crop Development Directorates of DAC.
- 9.5 At the National level, the activities of the Mission will be monitored by a Committee to be constituted under the Chairmanship of the Mission Director with members from DAC, ICAR, SAUs, CDDs, research institutions concerned and officials of State Departments concerned. The nine Crop Development Directorates will be involved in monitoring of the Mission activities in States assigned to them.
- 9.6 The National Level Monitoring Teams (NLMOTs) would be constituted for each state for monitoring the activities of the Mission.

## 10. Reporting System

- 10.1 The State Department of Agriculture will ensure submission of Quarterly Progress Reports (QPRs) which should reach by the 15th of the month following each quarter. Similarly, the detailed Annual Progress Report (APR) should be sent to the National Mission Director, within three months after the end of the year; in prescribed format **(Annexure-IV (a-d))**. One copy of the quarterly/annual report of NFSM-Rice should be sent to the Directorate for Rice Development, Patna, of NFSM-Wheat to the Directorate of Wheat Development, Ghaziabad and of NFSM-Pulses to the Directorate of Pulses Development, Bhopal and NFSM-Coarse cereals to Directorate of Millets Development, Jaipur. The formats for reporting would be as prescribed by the NFSMEC.

## **11. Evaluation**

- 11.1 A baseline survey will be conducted by the State Department of Agriculture/ State Department of Economics & Statistics to know the resource endowments of the farmers and the level of crop productivity.
- 11.2 Concurrent Evaluation will be done every year. The State Department of Agriculture/ Department of Economics and Statistics/SAU would be responsible for conducting this evaluation to assess the performance of the Mission commensurate with annual action plan and its objectives.
- 11.3 In the 3rd year of implementation of the NFSM, a mid-term evaluation at the National Level will be undertaken through an independent agency/organization on performance and shortcomings so as to take the remedial measures / make required changes in the scheme and its method of implementation.
- 11.4 Impact Evaluation Study/Studies at the National Level will also be undertaken through an independent agency after the third year of implementation to assess the impact of the scheme in increasing the productivity of rice, wheat, pulses and coarse cereals and enhancement of farmers' income.
- 11.5 Information communication technology (ICT) will be used for reporting, monitoring and evaluation of the Mission. Specialized software for the reporting, monitoring and evaluation of the Mission's activities already exists.

## **12. Criteria for Identification of Areas and Beneficiaries**

- 12.1 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, 16% of the total allocation for SCP and 8% for TSP will be earmarked. The allocation to SC/ST farmers will be made proportionate to their population in the district.
- 12.2 At least 33% allocation of the fund is to be made for small and marginal farmers.
- 12.3 At least 30% allocation of the fund is to be made for women farmers.
- 12.4 All the farmers are entitled to avail the assistance for various components of the Mission limited to 5 hectares in a season.
- 12.5 A district level Seed Committee will be constituted by the Chairman of DFSMEC which will be tasked to verify the list of beneficiaries for seeds, its indent and the ultimate distribution to

end users. In case the subsidy on seed is administered at source, the list of beneficiaries may be approved post-facto subject to random verification.

- 12.6 Zonal research stations of SAUs, KVKs, ATMA, reputed NGOs and other line departments will be actively involved in planning and execution of demonstrations, training of farmers and evaluation. The Project Management Team at the district level will help in developing synergy among research institutes and various line departments to get the desired output.

### 13. Position of Ongoing Schemes

13.1 The project listed below now stand discontinued and merged with NFSM.

- a) Initiative for Nutritional Security through Intensive Millets Promotion (INSIMP) Programme
- b) Maize component of Integrated Scheme of Oilseeds, Pulses, Oil palm and Maize ( ISOPOM)
- c) Dual purpose coarse cereals of Accelerated Fodder Development Programme (AFDP)
- d) Technology Mission on Cotton (TMC)
- e) Jute Technology Mission (JTM)

### 14. Interventions

Interventions proposed under the four components (Rice, Wheat, Pulses and Coarse Cereals) of NFSM are given below whereas norms of financial assistance are summarized in **Annexure-V**.

#### 14.1 Accelerated Crop Production Programme (ACPP)

Large blocks of crop areas will be taken up for demonstration of production and protection technologies in a cropping system based mode. A cafeteria of crop specific interventions (bio-fertilizers, nutrients, plant protection chemicals, weedicides etc.) has been illustrated ( Annexure-VI ) to enable the states to choose interventions relevant to that particular Agro-climatic zone for demonstrations.

##### 14.1.1 Demonstrations

- i. Field demonstrations of improved package of practices will be conducted on cropping system as well as on sole crop.
- ii. The cropping system based approach which has been included under NFSM entails that demonstrations are done in cropping sequence on the same plot of land. States should conduct at least 30 % demonstrations under cropping system based approach.
- iii. **Area of operation:** The demonstrations will be conducted in a contiguous block by dividing the fields in two blocks, one for improved practices and the other for farmer's practices in a cluster of 100 ha or more. Size of cluster for hill and north-eastern States will be 10 ha. The lowest productivity areas in selected districts should be given priority. Demonstrations should be evenly distributed within and among selected clusters.
- iv. All farmers in a cluster would be included in a demonstration. For each farmer, at least 0.4 ha area will be included in demonstration.
- v. **Selection of beneficiary Farmers:** Gram Panchayat should be involved in selection of beneficiary farmers. Only the farmers willing to cooperate and contribute some of the

- resources should be selected. Selection of beneficiaries should be done adopting participatory approach by holding meetings in the village by explaining the objectives of the demonstrations and role and responsibilities including expectations from the participating farmers.
- vi. **Selection of Site:** Demonstration site should be easily accessible for the farmers and the extension workers. It should not be on an isolated field. The selected site should be the representative of soil type and soil fertility status of the area.
  - vii. **Soil Analysis:** As far as possible soil fertility status of the selected field should be known well in advance for deciding the use of fertilizer and soil ameliorants.
  - viii. **Identification of Technologies to be demonstrated:** The improved practices for the demonstration plots should be identified in consultation with SAU through their Regional Research Stations/KVKs located in the area. However, the most critical inputs should be given top priority. For example correction of soil acidity through liming should be done while conducting a demonstration on improved package on acid soils. The varieties to be included in the package should preferably be new varieties.
  - ix. **Development of package of inputs to be distributed:** Once the technologies are identified, a package of inputs including micronutrients and bio-fertilizers should be finalized as to which inputs are to be provided for the conduct of demonstrations. Similarly the inputs to be contributed by the beneficiary farmers (if required) may also be assessed.
  - x. **Distribution of demonstration kits and training of participating farmers:** An orientation training programme should be organized to brief the beneficiary farmers about the procedure to be followed for conducting demonstrations. Farmers should be informed about the critical operations for the demonstrations. The demonstration kits may be distributed to the farmers during the training programme. The demonstrations should be conducted by extension functionaries of the State Department of Agriculture under the supervision of District Consultant.
  - xi. **Monitoring:** District Consultants/Technical Assistants of NFSM should monitor the conduct of demonstrations throughout the cropping season and should report the outcome in prescribed format to the district level PMT. The extension functionaries should visit the demonstration plots and arrange need based visits of scientists.
  - xii. **Display Board:** A display board containing the following information should be installed at the demonstration plot. In addition to other information, the display board should contain information on the critical inputs used and the interventions being demonstrated.
    - a) Number of farmers
    - b) Name of Village
    - c) Name of Variety/ hybrid
    - d) Type of demonstration
    - e) Fertilizers applied
    - f) Bio-fertilizers applied
    - g) Micronutrient applied
    - h) Date of Sowing/Transplanting
    - i) Seed Rate and Spacing
    - j) Any other critical input used
    - k) Mobile number of District Consultant/ Technical Assistant



- xiii. State should include more than one improved variety/hybrid in one cluster demonstration.
- xiv. **Field day:** A field day should be organized during reproductive phase of the crop preferably at grain filling stage. The participation of scientists from SAUs/KVKs should be ensured for critical observations and solutions of problems. Some relevant extension literature like leaflets, pamphlets etc should also be made available to the participating farmers.
- xv. **Reporting of the Results:** The results of the demonstrations should be compiled at block, district and State level. At State level, the results of the demonstrations should be compiled in the form of document. The state should analyze the contribution of various interventions undertaken under cluster demonstrations and up-scaling of particular intervention in succeeding years.
- xvi. **Front Line Demonstration:** Front Line Demonstration (FLD) is a form of adaptive research on the latest notified/released varieties/technologies which is demonstrated by ICAR/SAUs system on the selected farmer's field. The FLDs for rice, wheat, pulses and coarse cereals are the approved components of NFSM for which 5% of the amount of ACP is available. ICAR/SAUs may indicate the Nodal Institutes for respective crops to coordinate the implementation of FLDs.

#### **14.1.2 Improved Package of Practices - Rice and Rice-based cropping systems**

##### **Rice**

There will be demonstrations on system of rice intensification, direct seeded rice, hybrid rice technology, stress tolerant varieties and improved package of practices (variety, nutrient management, integrated pest management etc).

##### **Rice-based cropping systems:**

The Mission has adopted cropping system-based approach for improving productivity of the system followed extensively in a given agro-climatic zone. Therefore, there will be field demonstrations on;

- (a) Direct-seeded rice (DSR)-wheat sequence.
- (b) Direct-seeded rice-chickpea sequence in rain-fed areas.
- (c) Rice-chickpea/ lentil/moong/ urd sequence in rice-fallow system

##### **Wheat**

There will be demonstrations on improved package of practices (variety, resource conservation technology, micronutrients, bio-fertilizers, nutrient management etc.) in wheat and wheat based cropping system such as

- (a) wheat-summer moong
- (b) wheat relay crop with cotton
- (c) wheat –kharif pulses
- (d) wheat-coarse cereals( maize, bajra)

## **Pulses**

Demonstrations will be conducted on pulse-crop-based cropping system and pulses as intercrops with commercial crops ( sugarcane, cotton etc.), oilseeds (soybean, groundnut etc.) and coarse cereals. SAU/ICAR/KVKs may be approached for recommended intercropping systems and associated package of practices.

## **Coarse Cereals**

Demonstrations will be on coarse cereal crops and coarse cereal based cropping- systems. The crops involved are maize, sorghum, barley, pearl millet, finger millet and small millets (Kudos, Barnyard, Foxtail, Proso and Little millet (Kutki). Intercropping systems such as maize + urd/ moong/ pigeonpea, sorghum + kharif pulses, pearl millet + urd/ moong/pigeonpea/mothbean/any otherpulse should be selected depending on the area.

## **Cost Norms of Demonstration**

The cost of demonstration for one ha area for sole crop (excluding coarse cereals) will Rs 7500/- and Rs. 12,500/-for a cropping sequence. For coarse cereals, the cost of demonstration for one ha area will be Rs. 5000/-. The cost of demonstrations includes organization of field day, distribution of publicity material and visit of scientists/GOI and state officials @Rs. 250, Rs. 250 and Rs. 300, respectively. Illustrative lists of interventions that can be taken up within the amount fixed for demonstrations are given in **annexure-VI**. In the annual Action Plan State Government will clearly specify the interventions proposed to be demonstrated. The interventions selected should be based on the recommendations made by SAU/Zonal Research Station for the Agro climatic Zone concerned. Beneficiary farmers should be asked to arrange recommended quantity of chemical fertilizers. Additional cost, if any should be borne by the farmer. For an individual farmer, the area under demonstration should not exceed 2 ha.

## **14.2 Need based inputs (Seed, Nutrients, Soil Ameliorants, Bio-fertilizers, Plant Protection, Farm Machines and Training)**

### **14.2.1 Distribution of hybrid / certified seed**

(i) Seed producing agencies (NSC/SSCs/SAUs/ICAR Institutes/Private Companies) authorized by the State will distribute seed to selected districts. The DFSMEC will finalize the list of beneficiaries in consultation with Village Panchayat. Assistance for purchase of seeds will be available to selected farmers for the area not exceeding 2 ha each. Assistance for purchase of seed is as below:

- **Rice**

(a) Hybrids - Rs.50/kg or 50% of the cost whichever is less

(b) Varieties less than 10 years old- Rs.10/kg

- **Wheat**

Varieties less than 10 years old-Rs.10/kg

- **Pulses**

Varieties less than 10 years old-Rs.25/kg or 50% of the cost, whichever is less

- **Coarse Cereals**

(a) Hybrids-Rs.50/kg

(b) Varieties less than 10 years old- Rs.15/kg or 50% of the cost whichever is less.

(ii) In case of supply of seeds by Central Seed Agencies like NSC/SFCI, reimbursement of subsidy for distribution of Hybrid/HYV seeds of rice, wheat, coarse cereals and pulses will be made directly by the Ministry to such agency, within 20% of State's Seed distribution target in identified NFSM districts on the basis of verification by Districts/States and adjusted from the State's overall allocation under seed distribution component.

#### **14.2.2 Nutrient management / soil ameliorants**

- This component will be implemented by the State Department of Agriculture. The DFSMEC will finalize the list of beneficiaries in consultation with Village Panchayat.
- The micronutrients/lime/gypsum or other sulphur containing fertilizers such as phosphor-gypsum/ bentonite sulphur will be applied as basal/foliar application based on the recommendations of ICAR/SAUs concerned. A farmer will be given assistance for a maximum of 2 ha area for the target crop. Following assistance or 50% of the cost whichever is less will be provided:
  - Micronutrient: @Rs.500 per ha
  - Liming or paper mud of acidic soil: @ Rs.1000 per ha
  - Gypsum/other sources of sulphur @Rs.750 per ha
- Use of bio-fertilizers such as Rhizobium, phosphate solubilizing bacteria(PSB) in pulses @Rs. 100 per ha or 50% of the cost whichever is less.
- Crop components covered will be rice, wheat and pulses.

### **14.2.3. Plant Protection Measures**

- i. Financial assistance of Rs. 500 per ha or 50% of the cost whichever is less will be provided for Integrated Pest Management including plant protection chemicals , bio-pesticides and weedicides in the identified districts. The DFSMEC will finalize the list of beneficiaries in consultation with Village Panchayat.
- ii. A farmer will be given assistance for a maximum of 2 ha area for the target crop.

### **14.2.4 Farm Mechanization**

- i. Mechanization will help in timely completion of field operations, improving the efficacy of field operations, increasing cropping intensity and economize the cost of cultivation.
- ii. Weeds pose a major problem in rice; especially those planted with SRI technique/Direct Seeded Rice. Mechanical control of weeds along with chemicals is an effective option.
- iii. The time available for the sowing of wheat following rice is limited particularly in rainfed/partially irrigated areas. The delayed sowing of wheat leads to significant reduction in its yield. Use of seed drills for planting wheat/pulses/coarse cereals enables farmers to cover large area in a short period and utilization residual soil moisture. Besides, seed drill sowing leads to uniform crop stand and row spacing which require less quantity of seed and facilitates inter-culture operations.
- iv. Tractor drawn rotavator or turbo seeder pulverizes the soil, chops and mixes crop residues in the soil.
- v. Farm implements and pattern of assistance to be provided are given in Annexure-V.
- vi. The farm implements, particularly rotavator, turbo seeder, seed drill, multi crop planter and multi crop harvester should conform to ISI standards or certified by Farm Machinery Training & Testing Institutes of Government of India, CIAE, Bhopal or SAUs.
- vii. SFSMEC would nominate the agency and fix the cost of the farm implements for supplying the same to the selected farmers.
- viii. 50% of the farmers selected for assistance for Farm Mechanization shall be those who have also been selected for cluster demonstrations.
- ix. The list of beneficiaries would be prepared by the District Agriculture Officer in consultation with the Zilla Parishad and approved by the DFSMEC. Cost of the machine, inclusive of the admissible subsidy and the farmers share, would be reimbursed by ATMA to the agency fixed by the SFSMEC for supplying the machines to the selected beneficiaries.

- x. CIAE, Bhopal/SAU would be the nodal institute for technical support.

### 14.2.5 Training

Training of trainers/farmers plays crucial role in speedy dissemination of improved crop production practices. Since the Mission has adopted cropping system-based approach, it is proposed to organize four sessions of each training. One at the beginning of kharif and rabi season, one each during kharif and rabi season. The training will be imparted by crop/subject matter specialists of ICAR institutes/SAUs/KVKs and will involve crop management (agronomic and plant protection practices) including primary processing of produce, storage etc. There will be a group of 30 participants/farmers in each session and participants in all four sessions will be same. A sum of Rs 14000/- per training (Rs.3500/- per session /-) will be available. The item-wise breakup of training given as under:

Item	Rate (Rs.)	Amount (Rs.) for 4 sessions
Honorarium for one trainer	Rs.500/- per session	2000.00
Training material & stationary	Rs.500/- per session	2000.00
Refreshment for trainees, supporting staff	Rs.50/- head per session for 35 persons	7000.00
Contingency, POL transport ,etc.	Rs.750/- per session	3000.00
	<b>Total</b>	<b>14000.00</b>

**14.3 Commercial Crop-based cropping systems:** The cropping system approach and inter-cropping of pulses with commercial crops especially cotton, jute and sugarcane leads to improved land use efficiency and better use of land and water resources. The main objectives of including commercial crop based cropping systems are i) to utilize vacant inter-row space of commercial Crops for growing pulses; ii) to generate higher net returns and cultivable land utilization index as compared to mono-cropping; iii) to improve soil fertility status; iv) to facilitate IPM strategies and reduce pest incidence through cropping system approach; v) to demonstrate latest technologies of intercropping, seed production; and vi) to implement need based interventions in cotton, jute and sugarcane crops. The annual action plans would be prepared by the State Governments in consultation with the respective Crop Development Directorate and would be approved by the NFSMEC. The activities would be implemented by the States in close coordination with the Crop Development Directorates. Separate guidelines would be issued for commercial crops. A summary of activities is at **annexure- VII (a-b)**.

### 14.4 Research Support:

14.4.1 In order to facilitate the conduct of strategic adaptive research, address various research issues and gaps of potential yield and yield realized at farmers' field of food crops, research projects will be supported during the 12th Plan. SAUs, National and International research organizations may submit research proposals on the themes given below.

- (i) Conservation of natural resources (land, water) and their efficient use.
- (ii) Integrated nutrient management.
- (iii) Integrated disease and pest management.
- (iv) Modification/refinements in farm machines/tools for various soils types/cropping systems.
- (v) Upscaling of improved crop varieties/hybrids in NFSM adopted states/agro-climatic zones under water/thermal stress conditions.
- (vi) Nutrient management in acidic/alkaline/sodic.
- (vii) Crop-husbandry.
- (viii) Input use efficiency.
- (ix) Rain-water management in *kharif* pulses.
- (x) Refinement of relay cropping systems.
- (xi) Agronomic practices for intercropping systems involving pulses.
- (xii) Quality seed storages in the humid and hot climatic conditions-coastal areas.
- (xiii) Value addition in case of coarse cereals and pulses
- (xiv) Precision farming -nutrient manager and crop manager
- (xv) Any other innovative approach for enhancement of crop productivity.

**14.4.2 Training of extension functionaries:** In order to propagate latest crop specific technologies amongst Central and State functionaries who are involved in implementation of NFSM programme, the SAUs, National and International research organizations would be assisted to organise crop specific trainings within the country.

## 14.5 Other Initiatives

- (i) **Specialized projects for high productivity areas:** For sustainability of the high productivity areas, special projects such as reclamation of problematic soils, development of water-logged areas and mitigation of adverse effect of climate change would be funded under the Mission. A sum of Rs.600 crores has been earmarked for funding such project during 12<sup>th</sup> Plan. States may submit project proposals relating to these areas provided that these areas are not covered under regular development schemes. The proposals vetted by the SFSMEC would be accorded approval by NFSMEC on case to case basis. The unit cost of these project proposals would be limited to Rs.50,000 per ha including farmer share of 25%. The total cost of each project proposal should not exceed Rs.10 crore and the project proposal should be for areas covered under NFSM. The suggestive interventions for the development of such area as:
  - a. **Reclamation of problematic soils:** i) The surveys and project preparation; ii) Land development activities; iii) Rate of application of amendments and cost (gypsum, phospho-gypsum, pyrites etc) based on severity of alkalinity/salinity etc; iv) Crops tolerant to alkalinity/salinity/acidity etc. adapting the reclamation packages etc.
  - b. **Development of water-logged areas:** i) The surveys for the project preparation; ii) Construction of field/community ditches linking to natural drains or pumping of the excess water to a natural

drainage lines and related activities; iii) Evaluation of crops tolerant to water-logging etc.

- c. **Projects to combat the effect of climate change:** The projects aimed at mitigating adverse effect of climate change in high productivity areas would qualify for the financial support. The demonstration of heat tolerant varieties, promotion of micro-irrigation system (drip and sprinkler) for protective irrigation etc. would be focused.
- (ii) **Support to institutes/organizations including NGOs in remote areas:** It is experienced that reaching out to farmers in remote areas is difficult due to poor accessibility. These regions are mostly rainfed and inhabited by tribal and poor farmers. States may identify such areas requiring special efforts for raising productivity of food grain crops. Suitable institutes/organizations including NGOs may be entrusted to undertake clusters demonstrations in these areas. The cost norms for demonstrations specified in **annexure-V** will be followed. In addition, 10% of cost of demonstration may be paid as institutional charge. State/district authorities will monitor the work done. Suitable institutes/organizations including NGOs will be identified at district level for this purpose based on the criteria suggested below:
- (a) At least 3 years experience of successful execution of agriculture/rural development projects in remote/backward areas.
- (b) Should have accounts audited for all programmes implemented during past three years.
- (iii) **Value Chain integration of small producers:** Majority of the farmers are small producers who face difficulties in managing high risk involved in farming mainly due to weather aberrations, uneven access to technologies, unreliable input supplies, erratic power supply, inadequate marketing arrangements etc. Their situation is likely to worsen in the near future if these challenges are not addressed. Forming and strengthening of Farmer Producer Organizations (FPOs) is likely to mitigate at least some of the risks and constraints faced by the farmers. The formation of FPOs may offer a collective strength for seed production and seed procurement, access to credit and improved technologies, reduce transaction costs, facilitate value addition, tap high value markets and enter into partnerships with private entities on more equitable terms. SFAC has already demonstrated the benefits of aggregating farmers into FPOs during the XI Plan.

States will be required to submit their action plans for FPO promotion, to be undertaken through SFAC or similar organisations, along with their annual action plans. Assistance for FPO promotion will be available for a maximum period of three years as per the FPO Process Guidelines of DAC. The Action Plans must specify the commodity, target area and target producers, besides the manner in which value addition will be undertaken during the promotion of FPOs. The Action Plan should be broadly divided into four areas viz. (i) Mobilization, training, exposure and capacity building interventions (ii) agriculture based livelihood interventions such as trial and demonstration of Good Agriculture Practices (replacement of varieties, pre-and Post-sowing practices, seed production and dissemination, INM, IPM, etc.) (iii) formation and development of Kissan Producer Company or other institutional form, which will include

awareness building, federating, drafting constitution, registration of the company, develop and establish system and procedures related to administration, accounts, HR, develop business plan and implementation, statutory compliance , etc. and (iv) linkage to value chain (marketing). SFAC will assist the States in drawing up action plans, if required. States will also have the flexibility to undertake FPO promotion through any other Central, State, civil society or private in the Process Guidelines for FPOs referred to above, will be followed in such sector entity of their choice. However, the methodology of selecting such entities, as laid down cases. A copy of the FPO Process Guidelines is available on the DAC and SFAC web sites. The component wise financial provisions for one FPO of 1000 farmers under Value Chain Integration of Small and Marginal farmers is given at **Annexure-VIII**.

- (iv) **Assistance to Custom Hiring Centres:** For small land holders, the farm mechanization by individual farm families is economically not viable. Therefore, such farm holders utilize the services of Custom Hiring Centres for the various farm operations. Also, under special cases, community operations of selected farm activities are required to be undertaken within a time frame. In view of this, provision has been made to subsidize cost of hiring machines for farming operations at individual farmer/community level. The machines can be hired from existing Custom Hiring Centres and/or Custom Hiring Centres to be established under the National Mission on Agricultural Mechanization. The States may submit proposals with subsidy for hiring machines for farm operations not exceeding Rs. 1500/- per hectare. The proposals submitted by the States would be approved by the NFSMEC.
- (v) **Marketing support for pulses and millets:** For promoting the production of pulses and millets, it is proposed that marketing support would be provided to growers in form of insurance cover, Dal mill and millet processing unit to individual/communities, incentives to processing agencies etc. Assistance will be limited to 50% of the cost of the items. Funds will be allocated to SFAC and similar organizations at Centre/State levels against specific proposals approved by NFSMEC. The support for value addition and marketing in pulses and millets is given **annexure-VIII** will cover the following areas:-
1. Establishment of mini dal mills by farmers, farmer groups or registered FPOs (@Rs. 10.00 lakhs, or 30% of the total cost, whichever is lower, as one time support)
  2. Support for branding and marketing of milled pulses or millets (available only to registered FPOs @Rs.5.00 lakh per FPO, for one time support only)
  3. Marketing support to un-registered farmer groups, SHGs, SHG federation etc. for local marketing of pulses and millets (@Rs.2.00 lakh per group of 15 farmers, for one time support only).
  4. Support to registered FPOs to set up and equip procurement centres to grade and process pulses and millets (@Rs.5.00 lakh per FPO for one time support only)



Proposals for marketing support to individual farmers, informal farmer groups, SHGs / SHG federations and registered FPOs must form part of the annual Action Plan of the States.

#### **14.6 Exposure visit to International Organizations**

- i. In order to enrich the knowledge base of the technical personnel involved in the Mission, exposure visit/training of technical officers/staff at international organizations like IRRI, CYMMIT, ICRISAT, AVRDC, ICARDA or any other research organization in crop production technologies etc. would be organized.
- ii. A sum of Rs.3 crores will be provided for the entire Plan period.
- iii. NFSMEC would approve the proposal of exposure visits /trainings.

#### **14.7 Award for the best performing districts**

- (i) There would be awards for outstanding performance by the districts for the implementation of NFSM. The award amount provided is Rs. 5 lakh per district for each of the four components - NFSM Wheat, Rice, Pulses and Coarse Cereals. The funds for this purpose will be released to States after getting proposals from the State Level Agency duly vetted by SFSMEC.
- (ii) Awards at State level would be given at interval of two years for the best performing district under each of the four NFSM components-Rice, Wheat, Pulses and Coarse Cereals. The number of awards to be given away would be one award per five NFSM districts for each crop.
- (iii) At National level, awards would be given to best performing States under all crop categories annually. A total of 7 Awards; consisting of 3 Awards to States for highest food production and 4 Awards – one each for the highest production under rice, wheat, pulses and coarse cereals will be given annually. The Award amount is Rs.2.0 crore to each state of highest food grain production categories and Rs.1.0 crore for the individual crop category.
- (iv) The State level awards will be given preferably by the Governor/Chief Minister of the concerned State on Independence Day/ Republic Day/ Gandhi Jayanti etc. The National awards will be given by the Agriculture Minister. The money for the award will be utilized for the development of the infrastructure of the district/state agriculture department following the laid out norms of the State Government.
- (v) The performance of the districts will be judged by assigning weights to various activities on a scale of 100. The highest scoring district in a State will be selected for the award. Following criteria will be adopted to judge the performance of the districts:

	<b>Set of Parameters</b>	<b>Weightage</b>
a.	Increase in the productivity of the crops-rice, wheat, pulses, coarse cereals	20
b.	Utilization of funds in terms of physical and financial targets	10
c.	Increase in Seed Replacement Rate	5
	Increase in Varietal Replacement Rate	5
d.	Adoption of balanced use of fertilizers	
	Micronutrients	5
	Bio-fertilizers	5
e.	Integrated Pest Management	10
f.	Capacity building of farmers	5
g.	Adoption of resource conservation technologies	5
h.	Reclamation of alkaline/ acidic soils	5
i.	Adoption of local initiatives	5
	Organization of kisan melas, exhibitions, fairs	5
	Crop cutting experiments and online submission of data on NFSM website	5
	Exposure visits of farmers	5
	Soil health cards distributed	5
	<b>Total</b>	<b>100</b>

- (vi) In addition, leadership awards would be given to district level officers for good performance in the field. Other miscellaneous awards would also continue.

#### **14.8 Local Initiatives**

- (i) To support important location specific interventions, which not covered under the normal activities of the Mission but can help in boosting the production of rice, wheat, pulses and coarse cereals, States will be provided financial assistance. Augmentation of water resources, development of godowns for safe storage of critical inputs, machines for post-harvest processing like graders, dehusking machines etc are some examples.
- (ii) The interventions will be selected in consultation with Zilla Parishad.
- (iii) The assistance will be limited to 5% of the total budgetary allocation made to the State. Assistance would be limited to 50% of the cost of each intervention.
- (iv) The interventions proposed would be evaluated by a team of experts at the State level and will be cleared by SFSMEC for releasing the funds to the implementing agency at the district level.

#### **14.9 Miscellaneous Expenses:**

Financial assistance would be provided at district, state and national levels to improve mobility of staff, meet office expenses including stationery and other miscellaneous expenditure. At district level, the assistance of Rs.1.2 lakh per year for hiring the vehicle, Rs. 0.50 lakh per year for stationery would be provided. An assistance of Rs.1.00 lakh as one time grant for computer and its

accessories to new districts or those districts which did not avail this grant during 11<sup>th</sup> Plan would be provided.

At state level, the assistance of **Rs. 1.2** lakh per year for hiring the vehicle, **Rs. 1.0** lakh per year for stationery and other contingencies (for every 15 districts). However, such support will not include any expenditure for recurring expenses like pay and allowances to the staff of the State Government.

**BASIC QUALIFICATION, EXPERIENCE AND HONORARIUM OF  
ADVISORS/CONSULTANTS/TECHNICAL ASSISTANTS**

Level and post	Educational Qualification & experience	Honorarium (Rs./ Month)	Conveyance Allowance (Rs./ Month)	Daily Allowance (Rs./Day)
<b>A. District level:</b>				
Consultants	1. Basic degree in Agriculture with Masters Degree in Agronomy/Agri. Extension/Soil Science/Plant Protection/Crop Improvement having at least 10 years of field experience in crop production/ Extension.	30,000	1,000	150 (for 10 days in a month) or as per state rules
	2. The person should have the ability of team leadership & motivation.			
Technical Assistants	1. Basic degree in agriculture with computer skills. In case of non-availability of agriculture graduates, candidates with basic degree in life sciences may be considered.	20,000	800	100 (for 10 days in a month) or as per state rules
	2. Person with experience of research and extension will be given preference.			
<b>B. State Level</b>				
Consultants	1. Doctorate Degree in Agronomy/ Agriculture Extension/Soil Science/Plant Breeding/Plant Protection /Crop Improvement having at least 10 years of field experience or Master Degree in above subject with at least 20 years of experience in crop production.	50,000	2,000	200 (for 10 days in a month) or as per state rules
	2. Ability to analyze data and preparation of projects, writing reports/seminar notes/ articles as evidenced by publication in national and international journals.			
	3. The person should have the ability of team leadership & motivation.			
Technical Assistants	1. Master degree in Agriculture with specialization in management of field crops. Knowledge of computer essential.	25,000	1,500	150 (for 10 days in a month) or as per state rules
	2. Person with experience of research and extension will be given preference.			
<b>C. National Level</b>				
1. Advisors/ Consultants (6)	1. Doctorate Degree in Agronomy/ Agriculture Extension/Soil Science/Plant Breeding/Crop Improvement/Plant Protection or M. Tech in Agricultural Engineering having at least 15 years of field experience in crop production/Crop Improvement/ natural resource management/ mechanization or 5 years experience in the rank of Additional Commissioner in Government of India.	70,000	3,000	As per Gol rules

	<ol style="list-style-type: none"> <li>2. Ability to analyze data and preparation of projects, writing reports/seminar notes/articles as evidenced by publication in national and international journals.</li> <li>3. The person should have the ability of team leadership &amp; motivation.</li> </ol>			
2. Programme Manager (1)	<ol style="list-style-type: none"> <li>1. At least 10 years experience of working in administration and finance out of which at least 5 years as Deputy Secretary or above</li> <li>2. Working knowledge of Computer Application.</li> </ol>	70,000	3,000	As per Gol rules
3. Senior Programmers (3)	<ol style="list-style-type: none"> <li>1. Masters degree in Computer Science from recognized university/ institutes with 4 years experience in web based applications and independently handling of projects</li> </ol>	42,000		As per Gol rules
4. Technical Assistants (13)	<ol style="list-style-type: none"> <li>1. Master degree in Agronomy/Soil science/Agriculture Extension/Plant Breeding/Crop Improvement with specialization in management of field crops. Knowledge of computer essential.</li> <li>2. Person with experience of research and extension will be given preference.</li> </ol>	30,000	1,500	As per Gol rules
5. Part time need based Consultants (Total 40 men months)	<ol style="list-style-type: none"> <li>1. Doctorate Degree in Agronomy/ Agriculture Extension/Soil Science/Plant Breeding/Crop Improvement/Plant Protection or M. Tech in Agricultural Engineering having at least 15 years of field experience in crop production/Crop Improvement/ natural resource management/ mechanization or 5 years experience in the rank of Additional Commissioner in Government of India.</li> <li>2. Ability to analyze data and preparation of projects, writing reports/seminar notes/articles as evidenced by publication in national and international journals.</li> <li>3. The person should have the ability of team leadership &amp; motivation.</li> </ol>	3,000/ day	Nil	As per Gol rules
6. Stenographer (5)/ Data Entry Operator (4)	<ol style="list-style-type: none"> <li>1. Graduate with six month computer course.</li> <li>2. Minimum 1 year experience in relevant field of work.</li> </ol>	15000	-	As per rules
7. Attendant/ Peon (4)	<ol style="list-style-type: none"> <li>1. Matriculate</li> </ol>	12000	-	As per rules

## Crop wise Number of District, Number of States and District PMT in NFSM States

Sl. No.	States	Number of NFSM Districts				State PMTs		District PMTs
		Rice	Wheat	Pulses	Coarse Cereals	Consultants	T A	
1	Andhra Pradesh	9		22	8	1	2	22
2	Arunachal Pradesh	10		17	7	1	2	0
3	Assam	13		27	4	1	2	14
4	Bihar	15	10	38	11	2	4	29
5	Chhattisgarh	12		18	5	1	2	17
6	Gujarat	2	5	26	8	2	4	25
7	Haryana		7	21	5	1	2	10
8	Himachal Pradesh	2	9		5	1	2	9
9	Jammu & Kashmir	8	5		7	1	2	11
10	Jharkhand	4		17	11	1	2	17
11	Karnataka	7		30	11	2	4	27
12	Kerala	1			1	0	0	1
13	Madhya Pradesh	8	17	51*	16	3	6	50
14	Maharashtra	8	3	33	8	2	4	31
15	Manipur	9		09	2	1	2	0
16	Meghalaya	7		11	3	1	2	0
17	Mizoram	6		08	0	1	2	0
18	Nagaland	11		11	4	1	2	0
19	Odisha	14		30	6	2	4	30
20	Punjab		10	20	3	1	2	11
21	Rajasthan		13	33	12	2	4	29
22	Sikkim	2		04	2	1	2	0
23	Tamil Nadu	8		30	10	2	4	24
24	Tripura	8		08	2	1	2	0
25	Uttar Pradesh	23	31	75*	20	4	8	63
26	Uttarakhand	5	9		4	1	2	9
27	West Bengal	7		18	3	1	2	12
	Commodity Directorates					9	18	
	<b>Total States</b>	<b>24</b>	<b>11</b>	<b>16</b>	<b>27</b>			
	<b>Total Districts</b>	<b>199</b>	<b>119</b>	<b>557</b>	<b>182</b>	<b>47</b>	<b>94</b>	<b>441</b>

## Names of PMT Districts (441)

<b>1. Andhra Pradesh (22)</b>			
1	Adilabad	12	Medak
2	Anantapur	13	Nalgonda
3	Chittoor	14	Nellore
4	Cuddapah	15	Nizamabad
5	East Godavari	16	Prakasam
6	Guntur	17	Rangareddy
7	Karin Nagar	18	Srikakulam
8	Khammam	19	Vishakhapatnam
9	Krishna	20	Viziangram
10	Kurnool	21	Warangal
11	Mahbubnagar	22	West Godawari
<b>2. Assam (14)</b>			
1	Barpeta	8	Karbi Anglong
2	Baska	9	Kokrajhar
3	Bongaigaon	10	Lakhimpur
4	Chirang	11	Marigaon
5	Dhemaji	12	Sonitpur
6	Dibrugarh	13	Tinsukia
7	Jorhat	14	Udalguri
<b>3. Bihar (29)</b>			
1	Araria	16	Muzaffarpur
2	Aurangabad	17	Nalanda
3	Begusarai	18	Pashchim Champaran
4	Bhagalpur	19	Patna
5	Bhojpur	20	Purbi Champaran
6	Darbhanga	21	Purnia
7	Gaya	22	Rohtas
8	Gopalganj	23	Saharsa
9	Kaimur (Bhabhua)	24	Samastipur
10	Katihar	25	Saran
11	Khagaria	26	Sitamarhi
12	Kishanganj	27	Siwan
13	Lakhisarai	28	Supaul
14	Madhepura	29	Vaishali
15	Madhubani		
<b>4. Chhattisgarh (17)</b>			
1	Bastar	10	Kawardha
2	Bijapur	11	Korba

3	Bilaspur	12	Koriya
4	Dantewada	13	Mahasamand
5	Dhamtari	14	Raigarh
6	Durg	15	Raipur
7	Janjgir-Champa	16	Rajnandgaon
8	Jashpur (Jagdalpur)	17	Sarguja
9	Kanker ( North Bastar)		
<b>5. Gujarat (25)</b>			
1	Ahmadabad	14	Narmada
2	Amreli	15	Navsari
3	Anand	16	Panch Mahals
4	Banas Kantha	17	Patan
5	Bharuch	18	Porbandar
6	Dang	19	Rajkot
7	Dohad	20	Sabar Kantha
8	Gandhinagar	21	Surat
9	Jamnagar	22	Surendranagar
10	Junagadh	23	Tapi
11	Kheda	24	Vadodara
12	Kutch	25	Valsad
13	Mahesana		
<b>6. Haryana (10)</b>			
1	Ambala	6	Mahendragargh
2	Bhiwani	7	Mewat
3	Hisar	8	Palwal
4	Jhajjar	9	Rewari
5	Jind	10	Rohtak
<b>7. Himachal Pradesh (9)</b>			
1	Bilaspur	6	Mandi
2	Chamba	7	Sirmaur
3	Hamirpur	8	Solan
4	Kangra	9	Una
5	Kulu		
<b>8. Jammu &amp; Kashmir (11)</b>			
1	Anantnagh	7	Kupwara
2	Baramulla	8	Poonch
3	Budgam	9	Pulwanna
4	Doda	10	Rajouri
5	Jammu	11	Udhampur
6	Kathua		
<b>9. Jharkhand (17)</b>			
1	Chatra	10	Lohardaga
2	Dumka	11	Pakur



3	Garhwa	12	Palamu
4	Giridih	13	Sahebganj
5	Godda	14	Saraikela Kharsawan
6	Gumla	15	Simdega
7	Hazaribagh	16	Singhbhum (East)
8	Khunti	17	West Singhbhum
9	Latehar		
<b>10. Karnataka (27)</b>			
1	Bagalkot	15	Hassan
2	Belgaum	16	Haveri
3	Bellary	17	Kolar
4	Bidar	18	Koppal
5	Bijapur	19	Mandya
6	Chamarajanagar	20	Mysore
7	Chikballapur	21	Raichur
8	Chikmagalur	22	Ramanagaram
9	Chitradurga	23	Shimoga
10	Dakshin Kannad	24	Tumkur
11	Davangere	25	Udupi
12	Dharwad	26	Uttar Kannad
13	Gadag	27	Yadgir
14	Gulbarga		
<b>11. Kerala (1)</b>			
1	Palakkad		
<b>12. Madhya Pradesh (50)</b>			
1	Aagar	26	Mandla
2	Alirajpur	27	Mandsaur
3	Anuppur	28	Morena
4	Ashoknagar	29	Narsinghpur
5	Balaghat	30	Neemuch
6	Barwani	31	Panna
7	Betul	32	Raisen
8	Bhind	33	Rajgarh
9	Bhopal	34	Ratlam
10	Chhatarpur	35	Rewa
11	Chhindwara	36	Sagar
12	Damoh	37	Satna
13	Datia	38	Sehore
14	Dewas	39	Seoni
15	Dhar	40	Shahdol
16	Dindori	41	Shajapur
17	East Nimar (Khandwa)	42	Sheopur
18	Guna	43	Shivpuri

19	Gwalior	44	Sidhi
20	Harda	45	Singrauli
21	Hoshangabad	46	Tikamgarh
22	Indore	47	Ujjain
23	Jabalpur	48	Umaria
24	Jhabua	49	Vidisha
25	Katni	50	West Nimar (Khargon)
<b>13. Maharashtra (31)</b>			
1	Ahmednagar	17	Nagpur
2	Akola	18	Nanded
3	Amravati	19	Nandurbar
4	Aurangabad	20	Nasik
5	Beed	21	Osmanabad
6	Bhandara	22	Parbhani
7	Buldhana	23	Pune
8	Chandrapur	24	Raigad
9	Dhule	25	Sangli
10	Gadchiroli	26	Satara
11	Gondia	27	Solapur
12	Hingoli	28	Thane
13	Jalgaon	29	Wardha
14	Jalna	30	Washim
15	Kolhapur	31	Yavatmal
16	Latur		
<b>14. Odisha (30)</b>			
1	Anugul	16	Kendrapara
2	Baleshwar (Balasore)	17	Keonjhar
3	Baragarh	18	Khurdha
4	Bhadrak	19	Koraput
5	Bolangir	20	Malkangiri
6	Boudha	21	Mayurbhanj
7	Cuttack	22	Nawapara
8	Deogarh	23	Nawrangpur
9	Dhenkanal	24	Nayagarh
10	Gajapati	25	Phulbani
11	Ganjam	26	Puri
12	Jagatsinghapur	27	Rayagada
13	Jajapur	28	Sambalpur
14	Jharsuguda	29	Sonepur
15	Kalahandi	30	Sundargarh
<b>15. Punjab (11)</b>			
1	Amritsar	7	Kapurthala
2	Bathinda	8	Mohali (Ajitgarh)

3	Firozpur	9	Nawanshahr
4	Gurdaspur	10	Rupnagar
5	Hoshiarpur	11	Taran Taran
6	Jalandhar		
<b>16. Rajasthan (29)</b>			
1	Ajmer	16	Jalore
2	Alwar	17	Jhalawar
3	Banswara	18	Jhunjhunu
4	Baran	19	Jodhpur
5	Barmer	20	Karauli
6	Bhilwara	21	Kota
7	Bikaner	22	Nagaur
8	Bundi	23	Pali
9	Chittorgarh	24	Pratapgarh
10	Churu	25	Sawai Madhopur
11	Dungarpur	26	Sikar
12	Ganganagar	27	Sirohi
13	Hanumangarh	28	Tonk
14	Jaipur	29	Udaipur
15	Jaisalmer		
<b>17. Tamil Nadu (24)</b>			
1	Coimbatore	13	Sivaganga
2	Cuddalore	14	Thanjavur
3	Dharmapuri	15	Theni
4	Dindigul	16	Thiruvarur
5	Krishnagiri	17	Thoothukudi
6	Madurai	18	Tiruchirappalli
7	Nagapattinam	19	Tirunelveli
8	Namakkal	20	Tiruppur
9	Perambalur	21	Tiruvannamalai
10	Pudukkottai	22	Vellore
11	Ramanathapuram	23	Villupuram
12	Salem	24	Virudhunagar
<b>18. Uttar Pradesh (63)</b>			
1	Agra	33	Jaunpur
2	Aligarh	34	Jhansi
3	Allahabad	35	Kannauj
4	Ambedkar Nagar	36	Kanpur Dehat
5	Auraiya	37	Kanpur Nagar
6	Azamgarh	38	Kashiram Nagar
7	Badaun	39	Kaushambi
8	Ballia	40	Kheri
9	Balrampur	41	Kushi Nagar

10	Banda	42	Lalitpur
11	Barabanki	43	Lucknow
12	Bareilly	44	Mahamaya Nagar (Hathras)
13	Basti	45	Mahoba
14	Beharaich	46	Mainpuri
15	Bulandshahr	47	Mathura
16	Chandauli	48	Mau
17	Chatrapati Shahu Ji Maharaj	49	Mirzapur
18	Chitrakoot	50	Moradabad
19	Deoria	51	Pratapgarh
20	Etah	52	Rae Bareli
21	Etawah	53	Rampur
22	Faizabad	54	Sambhal
23	Farrukhabad	55	Sant Kabeer Nagar
24	Fatehpur	56	Shahjahanpur
25	Firozabad	57	Shamli
26	Ghazipur	58	Shravasti
27	Gonda	59	Sitapur
28	Gorakhpur	60	Sonbhadra
29	Hamirpur	61	Sultanpur
30	Hapur	62	Unnao
31	Hardoi	63	Varanasi
32	Jalaun		
<b>19. Uttarakhand (9)</b>			
1	Almora	6	Pauri Garhwal
2	Bageshwar	7	Pithoragarh
3	Dehardun	8	Tehri Garhwal
4	Haridwar	9	Udham Singh Nagar
5	Nainital		
<b>20. West Bengal (12)</b>			
1	24 Paraganas South	7	Jalpaiguri
2	Birbhum	8	Maldah
3	Coochbehar	9	Midnapore East
4	Darjeeling	10	Murshidabad
5	Dinajpur Uttar	11	Nadia
6	Howrah	12	Purulia

## DUTIES OF CONSULTANTS AND TECHNICAL ASSISTANTS UNDER NFSM AT NATIONAL, STATE AND DISTRICT LEVEL

National Food Security Mission in operation in 27 States has a provision for engaging State Consultants, District Consultants and Technical Assistants. While engaging consultants/Technical Assistants under the Mission the following guidelines may be followed:

### **NATIONAL ADVISORS/CONSULTANTS:**

#### **A. Qualification: As prescribed in NFSM guidelines.**

#### **B. Duties: Consultants:**

- To provide technical guidance to the Mission director on matters related to interventions proposed in the Mission. To develop standardized formats for sub-Mission of action plans
- To assist State in planning, formulation of NFSM action plans, whenever required.
- To provide technical assistance to NFSM staff in scrutinizing the action plans received from the States.
- To Establish time-lines and indicators for completion of each activity
- To supervise the quality of implementation of various interventions proposed in the Mission for improving the production of rice, wheat and pulses.
- To assist Mission Director and other senior officers in synchronizing and synergizing with other divisions of DAC; State governments; State agriculture Universities; ICAR research institutions and other stake holders on technical front.
- To constitute teams for monitoring the progress of works in the States and provide technical guidance to them in conducting Monitoring and evaluation.
- To coordinate the work of State Project Management Team and District Management Team.
- To visit the States periodically to provide technical guidance and impart knowledge about best practices.
- To assist in the conduction of specific central and regional workshops.
- To analyze the data received from various States and to come up with suggestions wherever improvements are required in the execution of the activities.
- Documentation and dissemination of contribution of various interventions of cluster demonstration and success stories.
- To render overall help to the technical staff working in the cell.
- To perform other tasks specified by Mission Director.

## **TECHNICAL ASSISTANTS:**

### **A. Qualification: As prescribed in NFSM guidelines.**

### **B. Duties:**

- To procure, compile and analyze the State wise data relating to the proposed interventions of the Mission activities.
- To maintain relevant records/ file and data of the various Mission activities.
- To assist in developing uniform formats for submission of action plans; monitoring and evaluation formats.
- To scrutinize the action plans for the interventions proposed.
- To undertake field visits to assess the progress of the Mission activities.
- To assist senior officers of the NFSM cell on all technical matters.
- To undertake other works assigned by the Mission director from time to time.

## **STATE CONSULTANTS:**

### **A. Qualification: As prescribed in NFSM guidelines.**

### **B. Duties:**

1. Liaisoning with SAUs, ICAR Institutes & Commodity Directorates.
2. Identification and delineation of acid/alkali soils in the State.
3. Updating of package of practices of mandated crops and making the same available to the State/ districts.
4. Assessment of requirement of inputs for the State based on targets approved by GOI.
5. Development of training material and activity schedule for Cropping System based Training.
6. Planning of field demonstrations and supervision of the same.
7. Analysis of yield advantage attributable to improved practices/technology with due consideration to seasonal weather conditions, incidence of pest and diseases, soil conditions etc and reporting the same to the State Mission Director.
8. Training of field staff engaged in NFSM work.
9. Identification of promising crop varieties/hybrids of the mandated crops for the State.
10. Development of seed rolling plan for NFSM districts in consultation with SAUs, State Seed Corporation & State Department of Agriculture.
11. Making available technical information required by National Level Monitoring team during its visit to the State.
12. Development of technical literature/ extension materials for farmers.
13. Compilation and documentation of contribution of various interventions under cluster demonstrations, lessons learnt and success stories from NFSM districts .

## **TECHNICAL ASSISTANTS:**

**A. Qualification: As prescribed in NFSM guidelines.**

**B. Duties:**

- To procure, compile and analyze the district wise data relating to the proposed interventions of the Mission activities.
- To maintain relevant records/ file and data of the various Mission activities.
- To undertake field visits to assess the progress of the Mission activities.
- To undertake other works assigned by the State Mission director from time to time.

## **DISTRICT CONSULTANTS:**

**A. Qualifications: As prescribed in NFSM guidelines.**

**B. Duties:**

1. Liaisoning with KVK and other Agricultural Research Organizations located in the districts.
2. Collection and maintenance of basic Agricultural and allied statistics of the district.
3. Planning and supervising conduction of field demonstration and FFS and reporting yield, weather data to the State Mission Director/State Consultant.
4. Development of technical/extension material for farmers in consultation with District Agricultural Officer and the State Consultant.
5. Assessing input requirement of the district for NFSM programme.
6. Training of district extension staff in improved crop production practices with emphasis on mandated crops.
7. Analyze and documentation of the contribution of various interventions under cluster demonstrations and success stories.

## **TECHNICAL ASSISTANTS:**

**A. Qualifications: As per guidelines.**

**B. Duties:**

1. Conduction of field demonstrations with the help of Panchayat level field extension functionaries.
2. Assisting Consultants in performance of duties assigned to them at State/Districts level.
3. Monitoring of crop condition, major incidence of insect/pest, nutrient deficiency and reporting to the District Consultant.

**NFSM MODEL ACTIVITY PLAN (MAP)**

S. No.	Activity Description (Category)	Union Government	State Government	District Level	LOCAL GOVERNMENTS AND PLANNING BODIES		
					Panchayati Raj System		
					District Panchayat	Intermediate Panchayat	Village Panchayat
1.	Setting Standards	DAC- Issue guidelines for implementation of NFSM in the States.	Issue translation of guidelines in local language to all stake holders.				
2.	Planning	DAC- General Council (GC) takes decisions on policy issues and provides frameworks for preparation of Annual Action Plan by the States. National Food Security Mission Executive Committee chaired by Secretary (A&C) approves the Annual State Action Plans.	State Government prepares Annual Action Plan in consultation with SAUs and others concerned within the allocated funds. State Food Security Mission- Executive Committee (SFSMEC), chaired by Chief Secretary of the state to approve the Annual Action Plan after receiving the district plans.	District Food Security Mission Executive Committee (DFSMEC) headed by district collector/CEO of Zilla Parishad to prepare the district Action Plan and submits to SFSMEC for consideration.	DFSMEC prepares District Mission Action Plan (DMAP) taking inputs from district level PRIs.		
3.	Demonstrations of improved crop technologies	DAC-Release of funds to States.	Release of funds to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts for the implementation of the programmes.	-	-	Village /Gram Panchayat involved in selection of beneficiary farmers.
4.	Seed distribution	DAC-Release of funds to States.	Release of funds by SFSMEC to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts.	-	-	Village /Gram Panchayat involved in selection of beneficiary farmers.



5.	Integrated Nutrients/ soil ameliorants Management	DAC-Release of funds to States.	Release of funds to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts.	-	-	Village /Gram Panchayat involved in selection of beneficiary farmers.
6.	Plant Protection Measures	DAC-Release of funds to States.	Release of funds to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts.	-	-	Village /Gram Panchayat involved in selection of beneficiary farmers.
7.	Farm Machineries and Implements	DAC-Release of funds to States.	Release of funds to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts.	Zilla Parishad involved in selection of beneficiary farmers	-	-
8.	Local Initiatives ( identification of interventions on need based)	DAC-Release of funds to States.	Release of funds to District Level Implementing Agencies for implementation of the approved annual action plan of the district.	Allocation of funds to concerned Agencies in the districts.	Zilla Parishad involved in identification of interventions	-	-
9.	Monitoring & Evaluation of NFSM	Impact Evaluation	Concurrent Evaluation	Supervise implementation. Quarterly review meetings for monitoring progress of NFSM in district, providing feedback for policy formulation and planning.	Providing feedback for monitoring.	Providing feedback on progress.	Providing feedback on progress.

## Districts covered under NFSM-Rice (199)

State	Name of Districts	
<b>1. Andhra Pradesh (9)</b>	Adilabad	Srikakulam
	Anantapur	Visakhapatnam
	Cuddapah	Vizianagaram
	Khammam	Warangal
	Mahbubnagar	
<b>2. Arunachal Pradesh (10)</b>	Changlang	Lower Dibang Valley
	East Kameng	Papum Pare
	East Siang	Tirap
	Lower Subansiri	Upper Siang
	Lohit (Tezu)	West Siang
<b>3. Assam (13)</b>	Barpeta	Kokrajhar
	Baska	Lakhimpur
	Bongaigaon	Marigaon
	Chirang	Sonitpur
	Dhemaji	Tinsukia
	Dibrugarh	Udalguri
	Karbi Anglong	
<b>4. Bihar (15)</b>	Araria	Muzaffarpur
	Purvi Champaran	Purnia
	Darbhanga	Saharsa
	Gopalganj	Samastipur
	Katihar	Sitamarhi
	Kishanganj	Siwan
	Madhepura	Supaul
	Madhubani	
<b>5. Chhattisgarh (12)</b>	Bastar	Korba
	Bijapur	Koriya
	Bilaspur	Raigarh
	Dantewada	Raipur
	Jashpur(Jagdalspur)	Rajnandgaon
	Kawardha	Surguja
<b>6. Gujarat (2)</b>	Panch Mahals	Vadodara
<b>7. Himachal Pradesh (2)</b>	Kangra	Mandi
<b>8. Jammu &amp; Kashmir (8)</b>	Anantnagh	Kathua
	Baramulla	Kupwara
	Budgam	Pulwanna
	Jammu	Rajouri
<b>9. Jharkhand (4)</b>	Dumka	Saraikela Kharsawan
	Gumla	West Singhbhum
<b>10. Karnataka (7)</b>	Belgaum	Udupi
	Dakshin Kannad	Uttar Kannad
	Haveri	Yadgir

	Shimoga	
<b>11. Kerala (1)</b>	Palakkad	
<b>12. Madhya Pradesh (8)</b>	Anoopur	Mandla
	Damoh	Panna
	Dindori	Rewa
	Katni	Sidhi
<b>13. Maharashtra (8)</b>	Bhandara	Nagpur
	Chandrapur	Nasik
	Gadchiroli	Pune
	Gondia	Satara
<b>14. Manipur (9)</b>	Bishnupur	Senapati
	Chandel	Tamenglong
	Churachandpur	Thoubal
	Imphal East	Ukhrul
	Imphal West	
<b>15. Meghalaya (7)</b>	East Garo Hills	South Garo Hills
	East Khasi Hills	West Garo Hills
	Jaintia Hills	West Khasi Hills
	Ri-bhoi District	
<b>16. Mizoram (6)</b>	Aizawal	Lawngtlai
	Champhai	Luglei District
	Kolasib	Mamit
<b>17. Nagaland (11)</b>	Dimapur	Phek
	Kohima	Tuensang
	Mokokchung	Wokha
	Peren	Kiphire
	Longleng	Zunheboto
	Mon	
<b>18. Odisha (14)</b>	Angul	Malkangiri
	Balangir	Mayurbhanj
	Boudh	Nawapada
	Ganjam	Nawarangpur
	Jajapur	Nayagarh
	Kendrapara	Sambalpur
	Keonjhar	Sundargarh
<b>19. Sikkim (2)</b>	East Sikkim	West Sikkim
<b>20. Tamil Nadu (8)</b>	Cuddalore	Sivaganga
	Nagapattinam	Thanjavur
	Pudukkottai	Thiruvarur
	Ramanathapuram	Tiruvannamalai ( T V Malai)
<b>21. Tripura (8)</b>	Dhalai	West Tripura
	South Tripura	North Tripura
	Unakoti	Khowai
	Sepahijala	Gomati
<b>22. Uttar Pradesh (23)</b>	Aligarh	Jaunpur
	Azamgarh	Mau
	Badaun	Mirzapur

	Ballia	Moradabad
	Balrampur	Pratapgarh
	Bareilly	Rae Bareli
	Beharaich	Rampur
	Chatrapati Shahu Ji Maharaj Nagar	Sant Kabeer Nagar
	Deoria	Shravasti
	Ghazipur	Sitapur
	Gorakhpur	Unnao
	Hardoi	
<b>23. Uttarakhand (5)</b>	Almora	Pithoragarh
	Haridwar	Udhamsingh Nagar
	Pauri Garhwal	
<b>24. West Bengal (7)</b>	24-Parganas (South)	Jalpaiguri
	Coochbehar	Midnapur (East)
	Dinajpur (North)	Purulia
	Howrah	

## Districts covered under NFSM-Wheat (119)

State	Name of Districts	
<b>1. Bihar (10)</b>	Araria	Nalanda
	Aurangabad	Patna
	Bhojpur	Sitamarhi
	Gaya	Siwan
	Gopalganj	Supaul
<b>2. Gujarat (5)</b>	Ahmadabad	Kheda
	Anand	Sabar Kantha
	Banas Kantha	
<b>3. Haryana (7)</b>	Ambala	Mewat
	Bhiwani	Palwal
	Hisar	Rohtak
	Jhajjar	
<b>4. Himachal Pradesh (9)</b>	Bilaspur	Mandi
	Chamba	Sirmaur
	Hamirpur	Solan
	Kangra	Una
	Kullu	
<b>5. Jammu &amp; Kashmir (5)</b>	Jammu	Rajouri
	Kathua	Udhampur
	Poonch	
<b>6. Madhya Pradesh (17)</b>	Ashoknagar	Rewa
	Chhatarpur	Sagar
	East Nimar	Satna
	Guna	Seoni
	Katni	Shivpuri
	Khandwa	Sidhi
	Panna	Tikamgarh
	Raisen	Vidisha
	Rajgarh	
<b>7. Maharashtra (3)</b>	Beed	Solapur
	Nagpur	
<b>8. Punjab (10)</b>	Amritsar	Jalandhar
	Bhatinda	Kapurthala
	Ferozepur	Mohali (Ajitgarh)
	Gurdaspur	Ropar
	Hosiarpur	Tarn Taran Sahib
<b>9. Rajasthan (13)</b>	Banswara	Nagaur
	Bhilwara	Pratapgarh

	Bikaner	Sawai Madhopur
	Jaipur	Sikar
	Jhunjhunu	Tonk
	Jodhpur	Udaipur
	Karauli	
<b>10. Uttar Pradesh (31)</b>	Allahabad	Jaunpur
	Azamgarh	Jhansi
	Ballia	Kaushambi
	Balrampur	Kushi nagar
	Banda	Lalitpur
	Basti	Lucknow
	Beharaich	Mahamaya nagar (hathras)
	Chandauli	Mahoba
	Chatrapati shahu ji maharaj Nagar	Mau
	Chitrakoot	Mirzapur
	Deoria	Pratapgarh
	Faizabad	Sant kabeer nagar
	Ghazipur	Shravasti
	Gonda	Sonbhadra
	Gorakhpur	Varanasi
	Hamirpur	
<b>11. Uttarakhand (9)</b>	Almora	Pauri-Garhwal
	Bageshwar	Pithoragarh
	Dehradun	Tehri- Garhwal
	Haridwar	Udham Singh Nagar
	Nainital	

## Districts covered under NFSM-Pulses (557)

State	Name of District	
<b>1. Andhra Pradesh (22)</b>	Adilabad	Medak
	Anantapur	Nalgonda
	Chittoor	Nellore
	Cuddapah	Nizamabad
	East Godavari	Prakasam
	Guntur	Rangareddy
	Karin Nagar	Srikakulam
	Khammam	Vishakhapatnam
	Krishna	Viziangram
	Kurnool	Warangal
	Mahbubnagar	West Godawari
<b>2. Bihar (38)</b>	Araria	Madhubani
	Arwal	Munger
	Aurangabad	Muzaffarpur
	Banka	Nalanda
	Begusarai	Nawada
	Bhagalpur	Pashchim Champaran
	Bhojpur	Patna
	Buxar	Purbi Champaran
	Darbhanga	Purnia
	Gaya	Rohtas
	Gopalganj	Saharsa
	Jamui	Samastipur
	Jehanabad	Saran
	Kaimur (Bhabhua)	Sheikhpura
	Katihar	Sheohar
	Khagaria	Sitamarhi
	Kishanganj	Siwan
Lakhisarai	Supaul	
Madhepura	Vaishali	
<b>3. Chhattishgarh (18)</b>	Bastar	Kawardha
	Bijapur	Korba
	Bilaspur	Koriya
	Dantewada	Mahasamund
	Dhamtari	Narayanpur
	Durg	Raigarh
	Janjgir-Champa	Raipur
	Jashpur (Jagdalpur)	Rajnandgaon
	Kanker ( North Bastar)	Surguja

<b>4. Gujarat (26)</b>	Ahmadabad	Mahesana
	Amreli	Narmada
	Anand	Navsari
	Banas Kantha	Panch Mahal
	Bharuch	Patan
	Bhavnagar	Porbandar
	Dang	Rajkot
	Dohad	Sabar Kantha
	Gandhinagar	Surat
	Jamnagar	Surendranagar
	Junagadh	Tapi
	Kheda	Vadodara
	Kutch	Valsad
	<b>5. Haryana (21)</b>	Ambala
Bhiwani		Rohtak
Faridabad		Sirsa
Fatehabad		Sonepat
Gurgaon		Mahendragarh
Hisar		Palwal
Jhajjar		Panchkula
Jind		Panipat
Kaithal		Rewari
Karnal		Y/ Nagar
Kurukshetra		
<b>6. Jharkhand (17)</b>		Chatra
	Dumka	Palamu
	Garhwa	Ramgarh
	Giridih	Ranchi
	Gumla	Sahebganj
	Hazaribagh	Saraikela Kharsawan
	Khunti	Simdega
	Latehar	West Singhbhum
	Lohardaga	
<b>7. Karnataka (30)</b>	Bagalkot	Gulbarga
	Bangalore	Hassan
	Bangalore Rural	Haveri
	Belgaum	Kodagu
	Bellary	Kolar
	Bidar	Koppal
	Bijapur	Mandya
	Chamarajanagar	Mysore
	Chikballapur	Raichur
	Chikmagalur	Ramanagaram



	Chitradurga	Shimoga
	Dakshin Kannad	Tumkur
	Davangere	Udupi
	Dharwad	Uttar Kannad
	Gadag	Yadgir
<b>8. Madhya Pradesh (51)</b>	Aagar	Mandla
	Alirajpur	Mandsaur
	Anuppur	Morena
	Ashoknagar	Narsinghpur
	Balaghat	Neemuch
	Barwani	Panna
	Betul	Raisen
	Bhind	Rajgarh
	Bhopal	Ratlam
	Burhanpur	Rewa
	Chhatarpur	Sagar
	Chhindwara	Satna
	Damoh	Sehore
	Datia	Seoni
	Dewas	Shahdol
	Dhar	Shajapur
	Dindori	Sheopur
	East Nimar	Shivpuri
	Guna	Sidhi
	Gwalior	Singrauli
	Harda	Tikamgarh
	Hoshangabad	Ujjain
	Indore	Umaria
	Jabalpur	Vidisha
	Jhabua	West Nimar (Khargon)
	Katni	
<b>9. Maharashtra (33)</b>	Ahmednagar	Nanded
	Akola	Nandurbar
	Amravati	Nasik
	Aurangabad	Osmanabad
	Beed	Parbhani
	Bhandara	Pune
	Buldhana	Raigad
	Chandrapur	Ratnagiri
	Dhule	Sangli
	Gadchiroli	Satara
	Gondia	Sindhudurg
	Hingoli	Solapur

	Jalgaon	Thane
	Jalna	Wardha
	Kolhapur	Washim
	Latur	Yavatmal
	Nagpur	
<b>10. Odisha (30)</b>	Anugul	Kendrapara
	Balangir	Keonjhar
	Baleshwar	Khurdha
	Baragarh	Koraput
	Bolangir	Malkangiri
	Boudha	Mayurbhanj
	Cuttack	Nawapara
	Deogarh	Nawrangpur
	Dhenkanal	Nayagarh
	Gajapati	Phulbani
	Ganjam	Puri
	Jagatsinghapur	Rayagada
	Jajapur	Sambalpur
	Jharsuguda	Sonepur
	Kalahandi	Sundargarh
<b>11. Punjab (20)</b>	Amritsar	Ludhiana
	Barnala	Mansa
	Bathinda	Moga
	Faridkot	Mohali
	Fatehgarh Sahib	Muktsar
	Ferozepur	Nawanshahr
	Gurdaspur	Patiala
	Hoshiarpur	Rupnagar
	Jalandhar	Sangrur
	Kapurthala	Taran Taaran
<b>12. Rajasthan (33)</b>	Ajmer	Jaisalmer
	Alwar	Jalore
	Banswara	Jhalawar
	Baran	Jhunjhunu
	Barmer	Jodhpur
	Bharatpur	Karauli
	Bhilwara	Kota
	Bikaner	Nagaur
	Bundi	Pali
	Chittorgarh	Pratapgarh
	Churu	Rajsamand
	Dausa	Sawai Madhopur
	Dholpur	Sikar

	Dungarpur	Sirohi
	Ganganagar	Tonk
	Hanumangarh	Udaipur
	Jaipur	
<b>13. Tamil Nadu (30)</b>	Ariyalur	Pudukkottai
	Coimbatore	Ramanathapuram
	Cuddalore	Salem
	Dharmapuri	Sivaganga
	Dindigul	Thanjavur
	Erode	Theni
	Kanchipuram	Thiruvallur
	Kanniyakumari	Thiruvarur
	Karur	Thoothukudi
	Krishnagiri	Tiruchirappalli
	Madurai	Tirunelveli
	Nagapattinam	Tiruvannamalai
	Namakkal	Vellore
	Nilgiris	Villupuram
	Perambalur	Virudhunagar
<b>14. Uttar Pradesh (75)</b>	Agra	Jyotiba Phule Nagar
	Aligarh	Kannauj
	Allahabad	Kanpur Dehat
	Ambedkar Nagar	Kanpur Nagar
	Auraiya	Kashiram Nagar
	Azamgarh	Kaushambi
	Badaun	Kheri
	Baghpat	Kushi Nagar
	Ballia	Lalitpur
	Balrampur	Lucknow
	Banda	Mahamaya Nagar (Hathras)
	Barabanki	Maharajganj
	Bareilly	Mahoba
	Basti	Mainpuri
	Beharaich	Mathura
	Bijnor	Mau
	Bulandshahr	Meerut
	Chandauli	Mirzapur
	Chatrapati Shahu Ji Maharaj	Moradabad
	Chitrakoot	Muzaffarnagar
	Deoria	Pilibhit
	Etah	Pratapgarh
	Etawah	Rae Bareli
	Faizabad	Rampur

	Farrukhabad	Saharanpur
	Fatehpur	Sambhal
	Firozabad	Sant Kabeer Nagar
	Gautam Buddha Nagar	Sant Ravidas Nagar
	Ghaziabad	Shahjahanpur
	Ghazipur	Shamli
	Gonad	Shravasti
	Gorakhpur	Siddharth Nagar
	Hamirpur	Sitapur
	Hapur	Sonbhadra
	Hardoi	Sultanpur
	Jalaun	Unnao
	Jaunpur	Varanasi
	Jhansi	
<b>15. West Bengal (18)</b>	24 Paraganas North	Hooghly
	24 Paraganas South	Howrah
	Bankura	Jalpaiguri
	Bardhaman	Maldah
	Birbhum	Medinipur East
	Coochbehar	Medinipur West
	Darjeeling	Murshidabad
	Dinajpur Dakshin	Nadia
	Dinajpur Uttar	Purulia
<b>16. Arunachal Pradesh(17), Assam (27), Manipur (09), Meghalaya(11), Mizoram (08), Nagaland(11), Sikkim(04), Tripura(08)</b>	All 95 districts of North Eastern region included.	

## Districts covered under NFSM-Coarse Cereals (182)

State	Name Of Districts	
<b>1. Andhra Pradesh (8)</b>	Adilabad	Mahbubnagar
	East Godavari	Medak
	Karimnagar	Nizamabad
	Kurnool	Warangal
<b>2. Arunachal Pradesh (7)</b>	Anjaw	Tirap
	East Siang	West Kameng
	L/Dibang Valley	West Siang
	Lohit	
<b>3. Assam (4)</b>	Darrang	Kokrajhar
	Karbi-Anglong	N C Hills
<b>4. Bihar (11)</b>	Begusarai	Purnia
	Bhagalpur	Saharsa
	E.Champaran	Samastipur
	Katihar	Saran
	Khagaria	Vaishali
	Madhepura	
<b>5. Chhattisgarh (5)</b>	Dantewada	Kanker
	Jagdalpur	Sarguja
	Kabirdham(Kawardha)	
<b>6. Gujarat (8)</b>	Anand	Mehsana
	Banaskantha	Panchmahals
	Dahod	Sabarkantha
	Kheda	Vadodara
<b>7. Haryana (5)</b>	Bhiwani	Mohindergarh
	Hissar	Rewari
	Jhajjar	
<b>8. Himachal Pradesh (5)</b>	Chamba	Mandi
	Hamirpur	Una
	Kangra	
<b>9. Jammu &amp; Kashmir (7)</b>	Baramulla	Poonch
	Doda	Rajouri
	Kathua	Udhampur
	Kupwara	
<b>10. Jharkhand (11)</b>	Chatra	Hazaribagh
	Deogarh	Latehar
	Dumka	Pakur
	Garhwa	Palamau

	Giridh	Singhbhum (East)
	Godda	
<b>11. Karnataka (11)</b>	Bagalkote	Gulbarga
	Belgaum	Haveri
	Bellary	Koppal
	Bijapur	Raichur
	Chitradurga	Tumkur
	Davangere	
<b>12. Kerala (1)</b>	Palakkad	
<b>13. Madhya Pradesh (16)</b>	Alirajpur	Mandla
	Barwani	Mandsaur
	Betul	Morena
	Chhindwara	Rajgarh
	Dhar	Ratlam
	Dindori	Shajapur
	East Nimar (Khargone)	Shivpuri
	Jhabua	Singroli
<b>14. Maharashtra (8)</b>	Ahmednagar	Pune
	Aurangabad	Sangli
	Beed	Satara
	Osmanabad	Solapur
<b>15. Manipur (2)</b>	Senapati	Ukhrul
<b>16. Meghalaya (3)</b>	East Garo Hills	Jainta Hills
	West Garo Hills	
<b>17. Mizoram (4)</b>	Aizwal	Lunglei
	Chhimtuipei	Serchhip
<b>18. Nagaland (4)</b>	Dimapur	Tuensang
	Phek	Zunheboto
<b>19. Odisha (6)</b>	Gajpati	Koraput
	Ganjam	Nawarangpur
	Keonjhar	Rayagada
<b>20. Punjab (3)</b>	Hoshiarpur	Nawanshahr
	Ropar(Rupnagar)	
<b>21. Rajasthan (12)</b>	Ajmer	Jaipur
	Alwar	Jalore
	Barmer	Jhunjhunu
	Bhilwara	Jodhpur
	Bikaner	Nagaur
	Churu	Sikar
<b>22. Sikkim (2)</b>	South Sikkim	West Sikkim
<b>23. Tamil Nadu (10)</b>	Coimbatore	Salem
	Dharmapuri	Theni
	Dindigul	Thoothukkudi

	Krishnagiri	Tiruchirappalli
	Perambalur	Tiruppur
<b>24. Tripura (2)</b>	South Tripura	West Tripura
<b>25. Uttar Pradesh (20)</b>	Agra	Gonda
	Aligarh	Hardoi
	Auraiya	Hatharas
	B. Shahar	Jalaun
	Bahraich	Kannauj
	Budaun	Kanpur Dehat
	Etah	Kansi Ram Nagar
	Etawah	Lalitpur
	Farrukhabad	Mainpuri
	Firozabad	Mathura
<b>26. Uttarakhand (4)</b>	Almora	Pithoragarh
	Pauri Garhwal	Tehri Garhwal
<b>27. West Bengal (3)</b>	Darjeeling	Jalpaiguri
	Dinajpur(North)	

## Annexure-III (a)

## Action Plan for NFSM-Rice for \_\_\_\_\_ year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI	
				5	6	7	8
1	2	3	4	5	6	7	8
1.	<b>*Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI (One Cluster of 100 ha)</b>						
	(a) Direct Seeded Rice/ Line Transplanting/SRI (Target 1.5% of area of District)	Rs.7500/ ha	ha				
	(b) Demonstrations on Hybrid Rice (One cluster of 100 ha) Target 0.5% of Area of District	Rs.7500/ha	ha				
	(c) Demonstrations on Swarna Sub-1/ Sahbhagi Dhan of 100 ha each	Rs.7500/ha	ha				
	(d) Cropping system based demonstration	Rs.12500/ha	ha				
	<b>Sub-Total 1(a) to 1 (d)</b>						
2.	<b>Seed Distribution:</b>						
	(a) Hybrid Rice Seed	Rs.5000/qtl	qtl				
	(b) HYVs Seeds	Rs.1000/qtl	qtl				
	<b>Sub-Total 2 (a) and 2 (b)</b>						
3.	<b>Plant and Soil Protection Management:</b>						
	(a) Micronutrients	Rs.500/ha	ha				
	(b) Liming in Acidic Soils	Rs.1000/ha	ha				
	(c) Plant Protection Chemicals and bio-agents	Rs.500/ha	ha				
	(d) Weedicides	Rs.500/ha	ha				
	<b>Sub-Total 3 (a) to 3 (e)</b>						
4.	<b>Resource Conservation Techniques/Tools:</b>						
	(a) Cono-weeder	Rs.600/Unit	Nos.				
	(b) Manual Sprayer	Rs. 600/Unit					
	(c) Power knock Sack sprayer	Rs3000/Unit	Nos.				
	(d) Multi Crop Planter	Rs.15000/Unit	Nos.				
	(e) Seed drill	Rs.15000/Unit	Nos.				
	(f) Power Weeder	Rs.15000/Unit	Nos.				
	(g) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.				
	(h) Drum seeder	Rs.1500/Unit	Nos.				
	(i) Rotavator	Rs.35000/Unit	Nos.				
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.				
	<b>Sub-Total 4(a) to 4 (l)</b>						
5.	Incentive for Pump Sets	Rs.10000/Unit	Nos.				
6.	Paddy thresher/multi-crop thresher	Rs.40000/Unit	Nos.				
7.	Self Propelled Paddy transplanter	Rs.75000/Unit	Nos.				
8.	<b>Cropping System based trainings</b> (Four Sessions i.e. one before <i>Kharif and rabi seasons</i> , One each during <i>Kharif and Rabi crops</i> )	Rs.3500/ Session Rs.14000/ Training	Nos.				
9.	<b>Miscellaneous Expenses</b>						
	(a) Project Management Team & Other Miscellaneous Expenses at District level		No. of district				
	(b) Project Management Team & Other Miscellaneous Expenses at State level						
	<b>Sub-Total 9(a) and 9(b)</b>						
10.	<b>Local Initiatives</b>						
	(a) Activity to be specified						
11.	<b>Other Initiatives</b>						
	(a) Demonstration by NGOs						
	(b) Assistance for custom hiring						
	(c) Specialized projects						
	<b>Sub-Total 11(a) to 11(c)</b>						
	<b>Total Financial (1 to 11)</b>						
	<b>Allocation Communicated Earlier by GOI</b>						

\* Please specify the interventions proposed to be demonstrated



## Action Plan for NFSM-Wheat for \_\_\_\_\_ year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				5	6	7	8
1	2	3	4	5	6	7	8
1.	<b>*Demonstrations on Improved Technologies:</b>	Rs.7500/ha	ha				
	a. Cluster Demonstrations (of 100 ha each)						
	b. Cropping system based demonstrations	Rs.12500/ha	ha				
	<b>Sub-Total 1(a) and 1 (b)</b>						
2.	<b>Seed Distribution:</b> HYVs seeds	Rs.1000/qtl	qtl				
3.	<b>Need Based Plant/Soil Management:</b>						
	(a) Micronutrients	Rs.500/ha	ha				
	(b) Gypsum	Rs.750/ha	ha				
	(c) Plant Protection Chemicals & bio-agents	Rs.500/ha	ha				
	(d) Weedicides	Rs.500/ha	ha				
	<b>Sub-Total 3(a) to 3(e)</b>						
4.	<b>Resource Conservation Machineries/ Energy Management:</b>						
	(a) Manual Sprayer	Rs. 600/Unit	Nos.				
	(b) Power Knap Sack Sprayer	Rs.3000/Unit	Nos.				
	(c) Zero Till Seed Drill	Rs.15000/Unit	Nos.				
	(d) Multi Crop Planter	Rs.15000/Unit	Nos.				
	(e) Power weeder	Rs.15000/Unit	Nos.				
	(f) Seed drill	Rs.15000/Unit	Nos.				
	(g) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.				
	(h) Rotavator/Turbo seeder	Rs.35000/Unit	Nos.				
	(i) Chiseller	Rs.8000/Unit	Nos.				
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.				
	(k) Tractor mounted sprayer	Rs.10000/Unit	Nos.				
	(l) Multi crop thresher	Rs. 40000/Unit	Nos.				
	<b>Sub-Total 4 (a) to 4 (l)</b>						
5.	<b>Efficient Water Application Tools:</b>						
	(a) Water carrying pipes	Rs. 15000/ or Rs.25/m upto 600m Length	Mtr.				
	(b) Pumpsets	Rs.10000/Unit	Nos.				
	(c) Sprinkler sets	Rs.10000/ha	ha				
	(d) Mobile Rain Gun	Rs. 15000/Unit	Nos.				
	<b>Sub-Total for Water Application Tools 5(a) to 5 (c)</b>						
6.	<b>Cropping system based trainings</b> (Four Sessions i.e. one before <i>Kharif and rabi seasons</i> . One each during <i>Kharif and Rabi crops</i> )	Rs.3500/ session Rs.14000/Training	Nos.				
7.	<b>Miscellaneous Expenses</b>						
	(a) Project Management Team & Other Miscellaneous Expenses at <b>District level</b>		No. of District				
	(b) Project Management Team & Other Miscellaneous Expenses at <b>State level</b>						
	<b>Sub-Total 7(a) and 7(b)</b>						
8.	<b>Local Initiatives</b>						
	(a) Activities to be specified						
9	<b>Other Initiatives</b>						
	(a) Demonstration by NGOs						
	(b) Assistance for custom hiring						
	(c) Specialized projects						
	<b>Sub-Total 9(a) to 9(c)</b>						
	<b>Total Financial (1 to 9)</b>						
	<b>Allocation communicated Earlier by GOI</b>						

\* Please specify the interventions proposed to be demonstrated

## Action Plan-NFSM-Pulses for \_\_\_\_\_ Year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI	
				5	6	7	8
1.	<b>*Demonstrations on Improved Technologies:</b>						
	(a) Cluster Demonstrations (of 100 ha each)	Rs.7500/ha	ha				
	(b) Cropping system based demonstrations	Rs.12500/ha	ha				
	<b>Sub-Total 1(a) and 1 (b)</b>						
2.	<b>Distribution of Certified Seeds:</b>						
	HYVs seeds	Rs.2500/qtl	Qtl				
3.	<b>Integrate Nutrient Management:</b>						
	(a) Micro-nutrients	Rs.500/ha	ha				
	(b) Gypsum/80% WG Sulphur	Rs.750/ha	ha				
	(c) Lime	Rs.1000/ha	ha				
	(d) Bio-fertilizers	Rs.100/ha	ha				
	<b>Sub-Total INM 3 (a) to 3 (d)</b>						
4.	<b>Integrated Pest Management (IPM)</b>						
	(a) Distribution of PP Chemicals	Rs.500/ha	ha				
	(b) Weedicides	Rs.500/ha	ha				
	<b>Sub-Total 4(a) to 4 (d)</b>						
5.	<b>Resource Conservation Technologies/Tools:</b>						
	(a) Manual Sprayer	Rs. 600/Unit	Nos.				
	(b) Power Knap Sack Sprayer	Rs.3000/Unit	Nos.				
	(c) Zero Till Seed Drill	Rs.15000/Unit	Nos.				
	(d) Multi Crop Planter	Rs.15000/Unit	Nos.				
	(e) Seed Drill	Rs.15000/Unit	Nos.				
	(f) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.				
	(g) Ridge Furrow Planter	Rs.15000/Unit	Nos.				
	(h) Chiseller	Rs.8000/Unit	Nos.				
	(i) Rotavator	Rs.35000/Unit	Nos.				
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.				
	(k) Tractor mounted sprayer	Rs. 10000/Unit	Nos.				
	(l) Multi crop thresher	Rs. 40000/Unit	Nos.				
	<b>Sub-Total of Machinery 5(a) to 5(l)</b>						
6.	<b>Efficient Water Application Tools:</b>						
	(a) Sprinkler Sets	Rs.10000/ha	ha				
	(b) Pump Sets	Rs.10000/Unit	Nos.				
	(c) Pipe for carrying water from source to the field	Rs. 15000 or Rs.25/m upto 600m	Mtr				
	(d) Mobile Rain gun	Rs. 15000/Unit	Nos.				
	<b>Sub Total 6(a) to 6(d)</b>						
7.	<b>Cropping System based trainings</b> (Four Sessions i.e. One before <i>Kharif</i> and <i>rabi</i> seasons, one each during <i>Kharif</i> and <i>Rabi</i> Crops )	Rs.3500/ Session Rs.14000/ Training	Nos.				
8.	<b>Miscellaneous Expenses:</b>						
	(a) Project Management Team & Other Miscellaneous Expenses at District level		No. of District				
	(b) Project Management Team & Other Miscellaneous Expenses at State level						
	<b>Sub-Total 8(a) and 8(b)</b>						
9.	<b>Local Initiatives</b>						
	(a) Activity to be Specified						
10.	<b>Other Initiatives</b>						
	(a) Demonstration by NGOs						
	(b) Assistance for custom hiring						
	(c) Marketing support						
	(d) Specialized projects						
	(e) Value chain integration						
	<b>Sub-Total 10(a) to 10(e)</b>						
	<b>Total Financial (1 to 10)</b>						
	<b>Allocation Communicated Earlier by GOI</b>						

\* Please specify the interventions proposed to be demonstrated

## Action Plan for NFSM-Coarse Cereals for \_\_\_\_\_ Year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Physical	Financial	Physical	Financial
1	2	3	4	5	6	7	8
1.	Demonstration of Improved package	Rs.5000/ha	ha				
2.	Distribution of certified seed						
	a. HVY seeds	Rs.1500	qtl				
	b. Hybrid seeds	Rs. 5000	qtl				
	<b>Sub-Total 2 (a) and 2 (b)</b>						
3.	(a) Project Management Team at District level		No. of district				
	(b) Project Management Team at State Level						
	<b>Sub-Total 3(a) and 3(b)</b>						
4.	<b>Local Initiative</b>						
	(a) Activity to be specified						
5.	<b>Other Initiatives</b>						
	(a) Demonstration by NGOs						
	(b) Assistance for custom hiring						
	(c) Marketing support						
	(d) Specialized projects						
	(e) Value chain integration						
	<b>Sub-Total 5(a) to 5(e)</b>						
	<b>Total Financial (1 to 5)</b>						
	<b>Allocation Communicated Earlier by GOI</b>						

\* Please specify the interventions proposed to be demonstrated

## Annexure-IV (a)

## Quarterly/Annual Progress Report of NFSM-Rice for \_\_\_\_\_ year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI		Quarterly/Annual Progress Report				
								Achievements for quarter I/II/III		Achievements till 31 <sup>st</sup> March		
								Physical	Financial	Physical	Financial	
1	2	3	4	5	6	7	8	9	10	11	12	
1.	<b>Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI (One Cluster of 100 ha)</b>											
	(a) Direct Seeded Rice/Line Transplanting/ SRI (Target 1.5% of area of District)	Rs.7500/ ha	ha									
	(b) Demonstrations on Hybrid Rice (One cluster of 100 ha) Target 0.5% of Area of District	Rs.7500/ha	ha									
	(c) Demonstrations on Swarna Sub-1/ Sahbhagi Dhan of 100 ha each	Rs.7500/ha	ha									
	(d) Cropping system based demonstration	Rs.12500/ha	ha									
	<b>Sub-Total 1(a) to 1 (d)</b>											
2.	<b>Seed Distribution:</b>											
	(a) Hybrid Seeds	Rs.5000/qtl	Qtl									
	(b) HYVs Seeds	Rs.1000/qtl	Qtl									
	<b>Sub-Total 2 (a) and 2 (b)</b>											
3.	<b>Plant and Soil Protection Management:</b>											
	(a) Micronutrients	Rs.500/ha	ha									
	(b) Liming in Acidic Soils	Rs.1000/ha	ha									
	(c) Plant Protection Chemicals and bio-agents	Rs.500/ha	ha									
	(d) Weedicides	Rs.500/ha	ha									
	<b>Sub-Total 3 (a) to 3 (e)</b>											
4.	<b>Resource Conservation Techniques/Tools:</b>											
	(a) Conoweeder	Rs.600/Unit	Nos.									
	(b) Manual Sprayer	Rs.600/Unit	Nos.									
	(c) Power sprayer	Rs3000/Unit										
	(d) Seed Drill	Rs.15000/Unit	Nos.									
	(e) Multi Crop Planter	Rs.15000/Unit	Nos.									
	(f) Power Weeder	Rs.15000/Unit	Nos.									
	(g) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.									
	(h) Drum seeder	Rs.1500/Unit	Nos.									
	(i) Rotavator	Rs.35000/Unit	Nos.									
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.									
	<b>Sub-Total 4(a) to 4 (j)</b>											
5.	Incentive for Pump Sets	Rs.10000/Unit	Nos.									
6.	Paddy thresher/multi-crop thresher	Rs.40000/unit	Nos.									
7.	Self Propelled Paddy transplanter	Rs.75000/unit	Nos.									
8.	<b>Cropping System based trainings</b> (Four Sessions i.e. one before <i>Kharif and rabi seasons</i> , One each during <i>Kharif and Rabi crops</i> )	Rs.3500/ Session Rs.14000/ Training	Nos.									
9.	<b>Miscellaneous Expenses</b>											
	(a) Project Management Team & Other Miscellaneous Expenses at District level		No. of district									
	(b) Project Management Team & Other Miscellaneous Expenses at State level											
	<b>Sub-Total 9(a) and 9(b)</b>											
10.	<b>Local Initiatives</b>											
	(a) Activity to be specified											
11.	<b>Other Initiatives</b>											
	(a) Demonstration by NGOs											
	(b) Assistance for custom hiring											
	(c) Specialized projects											
	<b>Sub-Total 11(a) to 11(c)</b>											
	<b>Total Financial (1 to 11)</b>											
	<b>Allocation Communicated Earlier by GOI</b>											

## Quarterly/Annual Progress Report of NFSM-Wheat for \_\_\_\_\_ year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI		Quarterly/Annual Progress Report				
								Achievements for quarter I/II/III		Achievements till 31 <sup>st</sup> March		
								Physical	Financial	Physical	Financial	
1	2	3	4	5	6	7	8	9	10	11	12	
1.	<b>Demonstrations on Improved Technologies:</b>	Rs.7500/ha	ha									
	a. Cluster Demonstrations (of 100 ha each)											
	b. Cropping system based demonstrations	Rs.12500/ha	ha									
	<b>Sub-Total 1 (a) to 1 (b)</b>											
2.	<b>Distribution of seeds</b>											
	HYVs seeds	Rs.1000/qtl	Qtl									
3.	<b>Need Based Plant/Soil Management:</b>											
	(a) Micronutrients	Rs.500/ha	ha									
	(b) Gypsum	Rs.750/ha	ha									
	(c) PP Chemicals & bio-agents	Rs.500/ha	ha									
	(d) Weedicides	Rs.500/ha	ha									
	<b>Sub-Total 3 (a) to 3(e)</b>											
4.	<b>Resource Conservation Machineries/ Energy Management:</b>											
	(a) Manual sprayer	Rs.600/Unit	Nos.									
	(b) Power Knap Sack Sprayer	Rs.3000/Unit	Nos.									
	(c) Zero Till Seed Drill	Rs.15000/Unit	Nos.									
	(d) Multi Crop Planter	Rs.15000/Unit	Nos.									
	(e) Power weeder	Rs.15000/Unit	Nos.									
	(f) Seed drill	Rs.15000/Unit	Nos.									
	(g) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.									
	(h) Rotavator/Turbo seeder	Rs.35000/Unit	Nos.									
	(i) Chiseller	Rs.8000/Unit	Nos.									
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.									
	(k) Tractor mounted sprayer	Rs.10000/Unit	Nos.									
	(l) Multi crop thresher	Rs. 40000/Unit	Nos.									
	<b>Sub-Total 4 (a) to 4 (l)</b>											
5.	<b>Efficient Water Application Tools:</b>	Rs. 15000 or										
	(a) Water carrying pipes	Rs.25/m upto 600m Length	Mtr.									
	(b) Pumpsets	Rs.10000/Unit	Nos.									
	(c) Sprinkler sets	Rs.10000/ha	ha									
	(d) Mobile Rain Gun	Rs. 15000/Unit	Nos.									
	<b>Sub-Total for Water Application Tools 5 (a) to 5 (d)</b>											
6.	<b>Cropping system based trainings</b> (Four Sessions i.e. one before <i>Kharif and rabi seasons</i> , One each during <i>Kharif and Rabi crops</i> )	Rs.3500/session Rs.14000/Training	Nos.									
7.	<b>Miscellaneous Expenses</b>											
	(a) Project Management Team & Other Miscellaneous Expenses at <b>District level</b>		No. of District									
	(b) Project Management Team & Other Miscellaneous Expenses at <b>State level</b>											
	<b>Sub-Total 7(a) and 7(b)</b>											
8.	<b>Local Initiatives</b>											
	(a) Activities to be specified											
9.	<b>Other Initiatives</b>											
	(a) Demonstration by NGOs											
	(b) Assistance for custom hiring											
	(c) Specialized projects											
	<b>Sub-Total 9(a) to 9(c)</b>											
	<b>Total Financial (1 to 9)</b>											
	<b>Allocation communicated Earlier by GOI</b>											

## Quarterly/Annual Progress Report of NFSM-Pulses for \_\_\_\_\_ Year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI		Quarterly/Annual Progress Report				
								Achievements for quarter I/II/III		Achievements till 31 <sup>st</sup> March		
								Physical	Financial	Physical	Financial	
1	2	3	4	5	6	7	8	9	10	11	12	
1.	<b>Demonstrations on Improved Technologies:</b>											
	(a) Cluster Demonstrations (of 100 ha each)	Rs.7500/ha	ha									
	(b) Cropping system based demonstrations	Rs.12500/ha	ha									
	<b>Sub-Total 1(a) and 1(b)</b>											
2.	<b>Distribution of Seeds:</b>											
	HYVs seeds	Rs.2500/qtl	qtl									
	<b>Sub-Total 2 (a) and 2 (b)</b>											
3.	<b>Integrate Nutrient Management:</b>											
	(a) Micro-nutrients	Rs.500/ha	ha									
	(b) Gypsum/80% WG Sulphur	Rs.750/ha	ha									
	(c) Lime	Rs.1000/ha	ha									
	(d) Bio-fertilizers	Rs.100/ha	ha									
	<b>Sub-Total INM 3 (a) to 3 (d)</b>											
4.	<b>Integrated Pest Management (IPM)</b>											
	(a) Distribution of PP Chemicals	Rs.500/ha	ha									
	(b) Weedicides	Rs.500/ha	ha									
	<b>Sub-Total 4(a) to 4 (d)</b>											
5.	<b>Resource Conservation Technologies/Tools:</b>											
	(a) Power Knap Sack Sprayer	Rs.3000/Unit	Nos.									
	(b) Manual Sprayer	Rs. 600/Unit	Nos.									
	(c) Zero Till Seed Drill	Rs.15000/Unit	Nos.									
	(d) Multi Crop Planter	Rs.15000/Unit	Nos.									
	(e) Seed Drill	Rs.15000/Unit	Nos.									
	(f) Zero Till Multi Crop Planter	Rs.15000/Unit	Nos.									
	(g) Ridge Furrow Planter	Rs.15000/Unit	Nos.									
	(h) Rotavator	Rs.35000/Unit	Nos.									
	(i) Chiseller	Rs.8000/Unit	Nos.									
	(j) Laser Land Leveler	Rs.150000/Unit	Nos.									
	(k) Tractor mounted sprayer	Rs. 10000/Unit	Nos.									
	(l) Multi crop thresher	Rs. 40000/Unit	Nos.									
	<b>Sub-Total of Machinery 5(a) to 5(l)</b>											
6.	<b>Efficient Water Application Tools:</b>											
	(a) Sprinkler Sets	Rs.10000/ha	ha									
	(b) Pump Sets	Rs.10000/Unit	Nos.									
	(c) Pipe for carrying water from source to the field	Rs. 15000 or Rs.25/m upto 600m	Mtr									
	(d) Mobile Rain gun	Rs. 15000/ Unit	Nos.									
	<b>Sub Total 6(a) to 6(d)</b>											
7.	<b>Cropping System based trainings (Four Sessions i.e. one before Kharif and rabi seasons, One each during Kharif and Rabi crops )</b>	Rs.3500/ Session Rs.14000/ Training	Nos.									
8.	<b>Miscellaneous Expenses:</b>											
	(a) Project Management Team & Other Miscellaneous Expenses at District level		No. of District									
	(b) Project Management Team & Other Miscellaneous Expenses at State level											
	<b>Sub-Total 8(a) and 8(b)</b>											
9.	<b>Local Initiatives</b>											
	(a) Activity to be Specified											
10.	<b>Other Initiatives</b>											
	(a) Demonstration by NGOs											
	(b) Assistance for custom hiring											
	(c) Marketing support											
	(d) Specialized projects											
	(e) Value chain integration											
	<b>Sub-Total 10(a) to 10(e)</b>											
	<b>Total Financial (1 to 10)</b>											
	<b>Allocation Communicated Earlier by GOI</b>											

## Annexure-IV (d)

## Quarterly/Annual Progress Report of NFSM-Coarse Cereals for \_\_\_\_\_ Year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI		Quarterly/Annual Progress Report			
				Physical	Financial	Physical	Financial	Achievements for quarter I/II/III		Achievements till 31 <sup>st</sup> March	
								Physical	Financial	Physical	Financial
1	2	3	4	5	6	7	8				
1.	Demonstration of Improved package	Rs.5000/ha	ha								
2.	<b>Distribution of certified seed</b>										
	(a) HYV seeds	Rs.1500	Qtl								
	(b) Hybrid seeds	Rs. 5000	Qtl.								
	<b>Sub-Total 2(a) and 2(b)</b>										
3.	(a) Project Management Team at District level		No. of district								
	(b) Project Management Team at State Level										
	<b>Sub-Total 3(a) and 3(b)</b>										
4.	<b>Local Initiative</b>										
	(a) Activity to be specified										
5.	<b>Other Initiatives</b>										
	(a) Demonstration by NGOs										
	(b) Assistance for custom hiring										
	(c) Marketing support										
	(d) Specialized projects										
	(e) Value chain integration										
	<b>Sub-Total 5(a) to 5(e)</b>										
	<b>Total Financial (1 to 5)</b>										
	<b>Allocation Communicated Earlier by GOI</b>										

## SUMMARY OF PATTERN OF ASSISTANCE

## Components and Pattern of Assistance under NFSM food grain crops

S. No.	Name of Interventions	Pattern of Assistance	Crops in Which admissible			
			Rice	Wheat	Pulses	Coarse Cereals
<b>1.</b>	<b>Demonstration</b>					
1.1	Improved package					
(i)	Rice/Wheat/Pulses	Rs.7500 per ha	√	√	√	
(ii)	Coarse Cereals	Rs.5000 per ha				√
1.2	Cropping system based	Rs.12500 per ha	√	√	√	
<b>2.</b>	<b>Seed Distribution</b>					
	High Yielding Varieties (Rice and Wheat)	i. Rs. 10/- per kg. or 50% of the cost whichever is less	√	√		
	High Yielding Varieties (Pulses)	ii. Rs. 25/- per kg or 50% of the cost whichever is less			√	
	Hybrids (Rice and Coarse Cereals)	Rs. 50/- per kg or 50% of the cost whichever is less	√			√
	High yielding Varieties (Coarse Cereals)	Rs. 15/- per kg or 50% of the cost whichever is less				√
<b>3.</b>	<b>Farm Machineries</b>					
(i)	Conoweeder	Rs.600/- per machine	√			
(ii)	Manual Sprayer: Knap sack sprayer/Foot operated sprayer	Rs.600/- per sprayer or 50% of the cost whichever is less	√	√	√	
(iii)	Drum Seeder in rice	Rs.1500/- machine or 50% of the cost whichever is less	√			
(iv)	Power sprayer	Rs.3000/- powered sprayer or 50% of the cost whichever is less	√	√	√	
(v)	Manual Chaff Cutter	Rs.5000/- per machine or 75% cost whichever is less				
(vi)	Chiseller (Deep Ploughing)	Rs.8000/- per machine or 50% of the cost whichever is less		√	√	
(vii)	Sprinkler set	Rs.10000/- per hectare or 50% of the cost whichever is less		√	√	
(viii)	Pump Set up to 10 HP	Rs.10000/- per pump set or 50% of the cost whichever is less	√	√	√	
(ix)	Tractor Mounted Sprayer	Rs.10000/- per sprayer or 50% of cost whichever is less		√	√	
(x)	Seed Drill	Rs.15000/- per machine or 50% of cost whichever is less	√	√	√	
(xi)	Zero till seed drill	Rs.15000/- per machine or 50% of cost whichever is less		√	√	
(xii)	Multi crop Planter	Rs.15000/- per machine or 50% cost whichever is less	√	√	√	
(xiii)	Zero till multi crop Planter	Rs.15000/-per machine or 50% cost whichever is less	√	√	√	



(xiv)	Ridge Furrow Planter	Rs.15000/- per machine or 50% cost whichever is less			√	
(xv)	Power weeder	Rs.15000/- per machine or 50% cost whichever is less	√	√		
(xvi)	Water carrying pipes	Rs.25/- per meter or 50% of the cost whichever is less with maximum limit of 600 meters and costing Rs.15000/-	√	√	√	
(xvii)	Mobile Rain gun	Rs.15000/- per mobile rain gun or 50% cost whichever is less		√	√	
(xviii)	Power driven chaff cutter	Rs.20000/- per machine or 75% cost whichever is less				
(xix)	Rotavator/turbo seeder	Rs.35000/- per machine or 50% of cost whichever is less	√	√	√	
(xx)	Paddy Thresher/Multi crop thresher	Rs.40000/- per machine or 50% of the cost whichever is less	√	√	√	
(xxi)	Laser Land Leveler	Rs.1.50 lakh per machine to a Group of 10Farmers	√	√	√	
(xxx)	Self Propelled Paddy Transplanter	Rs.75000/- per machine or 50% of the cost whichever is less	√			
<b>4.</b>	<b>Plant protection</b>					
	Plant protection chemicals and bio-pesticides/IPM	Rs. 500/- per ha or 50% of the cost, whichever is less	√	√	√	
	Weedicides	Rs. 500/- per ha or 50% of the cost whichever is less	√	√	√	
<b>5.</b>	<b>Micro-nutrients and Soil ameliorants</b>					
	Gypsum /phosphogypsum/ bentonite sulphur	50% of the cost of material limited to Rs. 750 per ha		√	√	
	Micronutrients	50% of the cost limited to Rs. 500 per ha	√	√	√	
	Bio-fertilizers (Rhyzobium/ PSB)	50% of the cost limited to Rs. 100 per ha under NFSM.			√	
	Lime / liming materials	50% of the cost material limited to Rs. 1000 per ha	√		√	
<b>6.</b>	<b>Local initiatives</b>	Funding will be on Project basis, up to 5% of the total allocation to the State.	√	√	√	√
<b>7.</b>	<b>Project Management Team</b>		√	√	√	√

### Cafeteria of Interventions for Block Demonstration

#### A. RICE:

S.No	* Name of Interventions
1	Demonstration of potential of High Yielding varieties of rice. Transplanted and direct seeded
2	Demonstration of SRI Technique with HYV
3	Demonstration of potential of Hybrids of rice
4	Demonstration of SRI Technique with Hybrid rice
5.	Demonstration on stress tolerant varieties
6	Seed treatment
7	Promotion of use of Micro Nutrients and bio-fertilizers
7.1	Zinc Sulphate
7.2	Boron( Borax deca hydrate, Borax penta hydrate)
7.3	Iron (Ferrous sulphate)
7.4	Bio-fertilizers such as Azospirillum, Azotobactor, PSB, Potash mobilizing and zinc solubilizing bacteria
8	Demonstration on use of lime/liming material to correct soil acidity
9	Demonstration on effectiveness of Weedicides
10	IPM in rice including mechanical devices
11	Promotion of mechanical transplanting
12	Moisture stress management chemicals like PPFM bacteria
13	Green Manuring

**Note:**

1. Interventions and inputs are illustrative and may be selected by the States in consultation with their SAUs.
2. The cost of demonstrations is inclusive of organization of field day, distribution of publicity material and visit of scientists @Rs. 250, Rs. 250 and Rs. 300, respectively.

## B. WHEAT:

S.No	*Name of Intervention
1	Demonstration on new HYV
2	Lime and Liming Material for acidic soils
3	Use of Gypsum/Phospho gypsum in moderately alkaline soils
4	<b>Promotion of use of Micro Nutrients and bio-fertilizers</b>
4.1	Zinc Sulphate
4.2	Boron( Borax deca hydrate, Borax penta hydrate)
4.3	Iron (Ferrous sulphate)
4.4	Bio-fertilizers such as Azospirillum, Azotobactor, PSB, Potash mobilizing and zinc solubilizing bacteria
5	Demonstration on use of Sulphur as a nutrient
6	Seed treatment with fungicide
7	Soil treatment for Termite control
8	Promotion of leveling using Laser land leveler
9	Promotion of line sowing using seed drills.
10	Demonstration on use of chemical weedicides
11	Moisture stress chemicals Potassium chloride or hydrogel
12	Green Manuring

### Note:

1. Interventions and inputs are illustrative and may be selected by the States in consultation with their SAUs.
2. The cost of demonstrations is inclusive of organization of field day, distribution of publicity material and visit of scientists @Rs. 250, Rs. 250 and Rs. 300, respectively.

### C. Pulses:

S.No	*Name of Intervention
1	<b>Popularization of improved varieties</b>
1.1	Urd, Moong, Moth, Cowpea, Pigeon pea
1.2	Chick Pea/Field pea
1.3	Lentil/Horse gram
1.4.	Seed treatment with fungicides/trichoderma
2	Demonstration on intercropping of pulses with other crops like sugarcane, cotton etc
3	Promotion of summer moong
4	Planting of Pulses in rice fallows and rice bunds
5	Demonstration on Planting of <i>Kharif</i> Pulses on Ridges (Urd, Moong, Arhar)
6	Replacement of utera crop by sown crop
7	<b>Promotion of use of Micro Nutrients and bio-fertilizers</b>
7.1	Zinc Sulphate
7.2	Boron ( Borax deca hydrate, Borax penta hydrate)
7.3	Iron (Ferrous sulphate)
7.4	Molybdenum
7.5	Rhizobium and PSB, Potash mobilizing bacteria and zinc solubilizing bacteria
8	Demonstration on Use of Sulphur as a nutrient
9	Demonstration on use of weedicide ( pre and post-emergence)
10	Need based Community Spray
11	Demonstration on IPM including mechanical devices
12	Foliar spray of nutrients

**Note:**

1. Interventions and inputs are illustrative and may be selected by the States in consultation with their SAUs.
2. The cost of demonstrations is inclusive of organization of field day, distribution of publicity material and visit of scientists @Rs. 250, Rs. 250 and Rs. 300, respectively.

#### D. MAIZE:

S. No.	* Name of Intervention
1.	Demonstration on Hybrid Maize
2.	Seed treatment
3.	Demonstration on Ridge furrow planting
4.	Zinc sulphate (21%)
5.	Weedicide
6.	Pesticide
7.	Bio-fertilizers (Azotobactor, PSB, Potash mobilizing bacteria and zinc solubilizing bacteria)
8.	Demonstration on IPM including mechanical devices

**Note:**

1. Interventions and inputs are illustrative and may be selected by the States in consultation with their SAUs.
2. The cost of demonstrations is inclusive of organization of field day, distribution of publicity material and visit of scientists @Rs. 250, Rs. 250 and Rs. 300, respectively.

#### E. MILLETS:

**(Sorghum, Pearl millet, Finger millet and Small millets viz; Kodo, Barnyard, Foxtail, Proso and Little millet (Kutki))**

S.No.	* Intervention
1	Seed including seed treatment
1.1	Pearl millet hybrid
1.2	Sorghum hybrid
1.3	High yielding Varieties (all millets)
2	Promotion of line sowing
3	Micro nutrients (Zinc, Boron, Iron)
4	Weedicides
5	Insecticides
6	Protective irrigation
7	Bio-fertilizers (azotobactor, PSB, Potash mobilizing bacteria and zinc solubilizing bacteria)
8.	Demonstration on IPM including mechanical devices

**Note:**

1. Interventions and inputs are illustrative and may be selected by the States in consultation with their SAUs.
2. The cost of demonstrations is inclusive of organization of field day, distribution of publicity material and visit of scientists @Rs. 250, Rs. 250 and Rs. 300, respectively.

## SUMMARY OF PATTERN OF ASSISTANCE

### Components and Pattern of Assistance under NFSM- Commercial Crops

#### 1. Cotton based cropping system

Sl. No	Component	Unit cost (Rs.)	Implementing agency
1	Insecticide Resistant Management (IRM)	Rs.4.5 lakh / dist + Administrative cost	CICR, Nagpur
2	Online Pest Monitoring and Advisory Services (OPMAS)	Rs. 4.5 lakh / dist + Administrative cost	NCIPM, New Delhi
3(a)	Front Line Demonstration on Integrated Crop Management (ICM) ((cluster of 10 ha)	Rs.7000/ha (Rs. 6000 for inputs & Rs. 1000 for Contingency)	SDA/ ICAR/SAUs/ KVK/NGOs / Cooperatives
3 (b)	Front Line Demonstration on Desi and ELS cotton/ELS cotton seed production (cluster of 10 ha)	Rs.8000/ha (Rs 7000 for inputs & Rs. 1000 for Contingency)	ICAR/SAUs/ KVK/NGOs /Cooperatives /State Dept of Agriculture
3 (c)	Front Line Demonstration on Intercropping ((cluster of 10 ha)	Rs.7000/ha (Rs. 6000 for inputs & Rs. 1000 for Contingency)	ICAR/SAUs/ KVK/NGOs /Cooperatives /State Dept of Agriculture -
4	Trials on High Density Planting System ((cluster of 10 ha)	Rs.9000/ha (Rs. 8000 for inputs & Rs. 1000 for Contingency)	ICAR/SAUs/ KVK/NGOs /Cooperatives /State Dept of Agriculture
5	Contingencies & Electronic Print Media	Rs. 40.00 lakh per year	DOCD, Mumbai

#### 2. Jute based cropping system

Sl. No	Component	Unit cost	Implementing agency
1	Seed production Production of Breeder Seed Production of Foundation Seed Production of certified Seeds	Rs 20000/qtl Rs.12000/qtl Rs.5000/qtl	State Department, CRIJAF, NSC, SFCI, SAU, ICAR, KVKs and farmers group
2.	Seed Village programme and Production of seed in government farm (10 ha each)	Rs. 30,000/- ha	State Department of Agriculture, Universities, KVKs, SSC, NSC, SFCI & SSCA
3	FLDs on alternate Retting technologies (0.25 ha )	Rs. 20000/FLD (Rs. 17000 for inputs & Rs. 3000 for Contingency)	ICAR/SAUs/ KVK
4	FLDs on Production technologies/ intercropping (cluster of 10 ha))	Rs.8000/ha (Rs. 7000 for inputs & Rs. 1000 for contingency)	ICAR/SAUs/ KVK/NGOs /Cooperatives /State Dept of Agriculture
5	National level training (25 Participants X 3 days)	Rs.80000/Training	CRIJAF, NIRJAFT, SAU such other organization.
	State level training (20 Officials X 2 days)	Rs. 40000/Training	State Dept of Agriculture SAU / KVK
6	Contingencies & Electronic Print Media	Rs. 40.00 lakh/ year	DOJD, Kolkata

## 3. Sugarcane based cropping system

Sl. No	Component	Unit cost (Rs.)	Implementing agency
1	Demonstration on intercropping with Sugarcane and single bud chip technology of sugarcane. (cluster of 10 ha)	Rs.8000 per ha (Rs. 7000 for inputs & Rs. 1000 for Contingency)	ICAR/SAUs/ KVK/NGOs /Cooperatives /State Dept of Agriculture
	Seed Production		
2	Assistance for Breeder Seed Production	Rs.40000 per ha (Rs. 34000 for inputs & Rs. 6000 for Contingency)	SAUs/ ICAR and Sugarcane Research Institute
3	Production of tissue culture raised plantlets/ seedlings	Rs. 3.5 per seedlings	Sugarcane Institutions, Sugar Factories, NGOs
4	Strengthening / establishment of bio agent and tissue culture laboratory	50% of cost limited to Rs. 75 lakhs per laboratory	Sugar factories/ SAU's/ ICAR/ Sugarcane Research Institute etc.
5	National Level Trainings (25 Participants X 2 days)	Rs.50000 per training	IISR, SBI, VSI, UPCR, etc.
	State level training (20 Officials X 2 days)	Rs.40000 per training	State Government KVKs/ SAU NGO etc.
6	Contingencies & Electronic Print Media	Rs. 27.00 lakh per year	DOSD, Lucknow

**Component wise financial provision for promotion of farmer producer organizations (FPOs) and marketing support for value chain integration**

S. No.	Component	Cost (Rs. In Lakhs)	Remarks
1.	Mobilization of farmers into registered producer organizations of around 1000 members each, with inputs of training and capacity building and training (as per model FPO Process Guidelines of DAC)	40.75	Standard costing norms and methodology prescribed by DAC in the model FPO Process Guidelines will be followed by State/Central agencies taking up activities under this component.
2.	Establishment of mini dal mills by farmers, farmer groups or registered FPOs (@Rs. 10.00 lakhs, or 30% of the total cost, whichever is lower, as one time support)	10	This provision will be used for encouraging local level processing and value addition of pulses and millets by FPOs, SHGs and individual farmers willing to invest in value addition facilities near the farm level.
3.	Support for branding and marketing of milled pulses or millets (available only to registered FPOs @ Rs.5.00 lakh per FPO, for one time support only)	5	This will provide support to registered FPOs which invest in value addition facilities to undertake direct branding and marketing of pulses and millets for higher realization.
4.	Marketing support to un-registered farmer groups, SHGs, SHG federation etc. for local marketing of pulses and millets (@Rs.2.00 lakh per group of 15 farmers, for one time support only)	2	This provision will enable unregistered farmer groups, SHGs of women and others who wish to collaborate informally for direct marketing pulses in local haats, townships and region.
5.	Support to registered FPOs to set up and equip procurement centres to grade and process pulses and millets (@Rs.5.00 lakh per FPO for one time support only)	5	NFSM will encourage FPOs to increasingly undertake procurement operations under MSP on behalf of State and Central procurement agencies, for which this window will offer one-time assistance to set up critical infrastructure for undertaking MSP operations.