

# **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**

---

## TABLE OF CONTENTS

| S. No | Contents  | Page No. |
|-------|---|----------|
| 1.    | Introduction  | 1        |
| 2.    | Objectives  | 1        |
| 3.    | Strategy  | 1        |
| 4.    | Structure   | 2        |
|       | 4.1 National Level  | 2        |
|       | 4.2 State Level   | 4        |
|       | 4.3 District Level  | 5        |
|       | 4.4 Project Management Teams  | 6        |
| 5.    | Role of Panchayati Raj Institutions   | 7        |
| 6.    | Area of Operation   | 7        |
| 7.    | Mechanism of Fund Flow  | 8        |
| 8.    | Procedure for Approval and Implementation of Annual plans   | 8        |
| 9.    | Monitoring mechanism  | 9        |
| 10.   | Reporting System  | 9        |
| 11.   | Evaluation  | 10       |
| 12.   | Criteria for Identification of Areas and Beneficiaries  | 10       |
| 13.   | Position of Ongoing Schemes   | 11       |
| 14.   | Interventions   | 11       |
|       | 14.1 Accelerated Crop Production Programme  | 11       |
|       | 14.2 Need based inputs (Seed, IPM, INM, Machines and Training)  | 14       |
|       | 14.3 Commercial crops based cropping system   | 17       |
|       | 14.4. Research Support  | 17       |
|       | 14.5 Other Initiatives  | 18       |
|       | 14.6 Exposure visit to International Organizations  | 21       |
|       | 14.7 Awards   | 21       |
|       | 14.8 Local Initiatives  | 22       |
|       | 14.9 Miscellaneous Expenses   | 22       |
|       | Annexure-I (a) -Basic qualification, experience and honorarium of Advisors/Consultants/<br>Technical Assistants   | 24       |
|       | Annexure-I (b) - Crop wise No. of Districts and No. of State and District PMT in NFSM States  | 26       |
|       | Annexure-I(c) - Names of PMT Districts  | 27       |
|       | Annexure-I (d) - Duties of Consultants/TAs engaged at national/State/district levels  | 33       |
|       | Annexure-I (e) - Model Activity Map   | 36       |
|       | Annexure-II (a) - Districts covered under NFSM-Rice   | 38       |
|       | Annexure-II (b) - Districts covered under NFSM-Wheat  | 41       |
|       | Annexure-II(c) - Districts covered under NFSM-Pulses  | 43       |
|       | Annexure-II (d) - Districts covered under NFSM-Coarse Cereals   | 49       |
|       | Annexure-III (a) - Action Plan for NFSM-Rice  | 52       |
|       | Annexure-III (b) - Action Plan for NFSM-Wheat   | 53       |
|       | Annexure-III (c) - Action Plan for NFSM-Pulses  | 54       |
|       | Annexure-III (d) - Action Plan for NFSM-Coarse Cereals  | 55       |
|       | Annexure-IV (a) - Quarterly/Annual Progress Report of NFSM-Rice   | 56       |
|       | Annexure-IV (b) - Quarterly/Annual Progress Report of NFSM-Wheat  | 57       |
|       | Annexure-IV(c) - Quarterly/Annual Progress Report of NFSM-Pulses  | 58       |
|       | Annexure-IV (d) - Quarterly/Annual Progress Report of NFSM-Coarse Cereals   | 59       |
|       | Annexure-V - Summary of Pattern of Assistance for foodgrain crops   | 60       |
|       | Annexure-VI - Cafeteria of Interventions for Block demonstration  | 62       |
|       | Annexure-VII - Summary of Pattern of Assistance for commercial crops  | 66       |
|       | Annexure-VIII - Component wise financial provision for promotion of farmer producer<br>organizations (FPOs) and marketing support for value chain integration | 68       |

## 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  |

---

|         |  |
|---------|--|
| 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                      |

---

# 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<br>Department of Expenditure,<br>Ministry of Finance  | Member   |
| (v) Secretary<br>Department of Food and Public distribution<br>Ministry of Food, Consumers Affairs and Public Distribution | Member   |
| (vi) Secretary,<br>Ministry of Panchayati Raj  | Member   |
| (vii) Secretary,<br>Ministry of Tribal Affairs   | Member   |
| (viii) Secretary<br>Department of Social Justice and Empowerment<br>Ministry of Social Justice and Empowerment             | Member   |
| (ix) Secretary<br>Ministry of Women and Child Development  | Member   |
| (x) Adviser (Agriculture)<br>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,<br>Ministry of Water Resources   | Member            |
| (iv) Secretary,<br>Department of Fertilizers  | Member            |
| (v) Secretary,<br>Ministry of Panchayati Raj  | Member            |
| (vi) Secretary,<br>Ministry of Tribal Affairs   | Member            |
| (vii) Secretary<br>Department of Social Justice and Empowerment<br>Ministry of Social Justice and Empowerment | Member            |
| (viii) Secretary<br>Ministry of Women and Child Development   | Member            |
| (ix) Adviser (Agriculture),<br>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<br>of ICAR Institutes | Member           |
| (xii) Representatives of<br>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 12<sup>th</sup> 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(SHGs), 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<br>(Agriculture)/District<br>Agricultural Officer | Member<br>Secretary |
|--|---------------------|

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<br>(Rs./ Month) | Conveyance<br>Allowance<br>(Rs./ Month) | Daily<br>Allowance<br>(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<br>(for 10 days in a month)<br>or<br>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<br>(for 10 days in a month)<br>or<br>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<br>(for 10 days in a month)<br>or<br>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<br>(for 10 days in a month)<br>or<br>as per state rules |
|                                 | 2. Person with experience of research and extension will be given preference.   |                            |   |   |
| <b>C. National Level</b>        |   |                            |   |   |
| 1. Advisors/<br>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(Jagdarpur) | 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         |
|                               | Damtari                | Narayanpur         |
|                               | Durg                   | Raigarh            |
|                               | Janjgir-Champa         | Raipur             |
|                               | Jashpur (Jagdulpur)    | 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/ctl                            | ctl             |                           |   |                               |   |
|         | (b) HYVs Seeds  | Rs.1000/ctl                            | ctl             |                           |   |                               |   |
|         | <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<br>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><br>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<br>Rs.25/m upto 600m<br>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<br>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<br>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<br>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>   |                                       |                 |                           |   |                         |   |                                   |           |  |           |  |
|         | (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 (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<br>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<br>Rs.14000/<br>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<br>( 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<br>Production of Breeder Seed<br>Production of Foundation Seed<br>Production of certified Seeds | Rs 20000/qtl<br>Rs.12000/qtl<br>Rs.5000/qtl                     | State Department, CRIJAF, NSC, SFCL, 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, SFCL & 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<br>(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. |