



**RE-VAMPED  
NATIONAL FOOD SECURITY MISSION  
(NFSM)  
OPERATIONAL GUIDELINES**



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

## **Foodgrain Crops**



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## Operational Guidelines (Foodgrain Crops)

### 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 tonnes, wheat by 8 million tonnes and pulses by 2 million tonnes by the end of the Eleventh Five Year 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 continued during 12th Five Year Plan with new targets of additional production of 25 million tonnes of food grains comprising of 10 million tonnes of rice, 8 million tonnes of wheat, 4 million tonnes of pulses and 3 million tonnes of coarse cereals by the end of 12th Five Year Plan. Considering the experience and feedback received from the States, major changes were made in approach, norms of financial assistance and programme implementation strategy which are reflected in the revised operational guidelines. Based on past experience and performance of 12th Plan, it has been decided to continue the programme beyond 12th plan i.e. 2017-18 to 2019-20, which is co-terminus with Fourteenth Finance Commission (FFC) period with new targets to achieve 13 million tonnes of additional foodgrain production comprising of Rice - 5 million tonnes, Wheat - 3 million tonnes, Pulses - 3 million tonnes and Coarse Cereals including Nutri-Cereals - 2 million tonnes by 2019-20.

**1.2** The National Food Security Mission (NFSM), during the 12th Five Year Plan, had five components (i) NFSM- Rice; (ii) NFSM- Wheat; (iii) NFSM-Pulses; (iv) NFSM-Coarse Cereals; and (v) NFSM-Commercial Crops. During 2017-18, the programme was implemented with components/ interventions/ cost norms/ pattern of assistance of 12th plan. On the basis of EFC recommendations which was held on 29.11.2017, from the years 2018-19 and 2019-20, NMOOP and Seed Village Programme are now a part of NFSM and thus NFSM will have **eight** components viz. **(i)** NFSM- Rice; **(ii)** NFSM-Wheat; **(iii)** NFSM-Pulses; **(iv)** NFSM-Coarse Cereals (Maize & Barley), **(v)** NFSM on Nutri Cereals; **(vi)** NFSM-Commercial Crops; **(vii)** NFSM-Oilseeds and Oilpalm; and **(viii)** NFSM-Seed Village Programme. These Operational Guidelines are for NFSM- Foodgrains, Nutri-Cereals, Commercial Crops, Oilseeds and Oilpalm and Seed Village Programme.

### 2. Objectives

**2.1** Increasing production of rice, wheat, pulses, coarse cereals (Maize and Barley) and Nutri-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;

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

**2.4** Enhancing post-harvest value addition at farm gate for better price realization to farmers through efficient market linkages.

### 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 rainfed 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 interventions and targets with the district plan of each identified district.

viii. Constant monitoring and periodic 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 Minister of Agriculture and Farmers Welfare would continue to function beyond 12th Plan from 2017-18 to 2019-20 and apart from food grain crops (Rice/Wheat/Pulses/Coarse Cereals) and Commercial crops, this would also cover the Oilseeds/Oil Palm/Tree Borne Oilseeds, Seed Village Programme of Seeds Division and Nutri-Cereals. The Mission Director will continue to function as Member- Secretary of the GC. The composition of the GC will be as under:

(i)	Minister of Agriculture and Farmers Welfare	<b>Chairman</b>
(ii)	Secretary (AC&FW)	Member
(iii)	Secretary (DARE) & DG (ICAR)	Member
(iv)	Secretary, Department of Expenditure, Ministry of Finance	Member
(v)	Secretary, Department of Food and Public distribution, Ministry of Food, Consumer Affairs	Member
(vi)	Secretary, Ministry of Panchayati Raj	Member



(vii) Secretary, Ministry of Tribal Affairs	Member
(viii) Secretary, Department of Social Justice and Empowerment	Member
(ix) Secretary, Ministry of Women and Child Development	Member
(x) Additional Secretary and Financial Advisor, DAC&FW	Member
(xi) Agriculture Commissioner, DAC&FW	Member
(xii) Advisor (Agriculture), NITI Aayog	Member
(xiii) Joint Secretary, Environment, Forest & Climate Change	Member
(xiv) Mission Director, NFSM	<b>Member Secretary</b>

**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, change the components/interventions as per the requirement and decide need based re-allocation of resources across States and districts and also approve projects as per the requirements. The GC may also include any new district bifurcated from original district provided that, the new district fulfill the criteria and the request is received from the State(s). The GC will meet at least twice a year.

**4.1.3** The National Food Security Mission Executive Committee (NFSM-EC) would also continue under the Chairmanship of Secretary, Department of Agriculture, Cooperation and Farmers Welfare to oversee the activities of the Mission and to approve the Annual State Action Plans for food grain crops (Rice/Wheat/Pulses/Coarse Cereals), Commercial crops, Oilseeds/Oil Palm/Tree Borne Oilseeds, Seed Village Programme and Nutri-Cereals. The constitution of NFSM-EC will be as under:

(i) Secretary (AC&FW)	<b>Chairman</b>
(ii) Secretary (DARE) & DG (ICAR)	Member
(iii) Secretary, Ministry of Water Resources	Member
(iv) Secretary, Department of Fertilizers	Member
(v) Secretary, Department of Food & Public Distribution	Member
(vi) Secretary, Ministry of Panchayati Raj	Member
(vii) Secretary, Ministry of Tribal Affairs	Member
(viii) Secretary, Department of Social Justice and Empowerment	Member
(ix) Secretary, Ministry of Women and Child Development	Member
(x) Additional Secretary and Financial Advisor, DAC&FW	Member
(xi) Agriculture Commissioner, DAC&FW	Member
(xii) ADG (Oilseeds), ICAR	Member
(xiii) Advisor (Agriculture), NITI Aayog	Member
(xiv) Director, Directorate of Oilseeds Research, ICAR, Hyderabad	Member
(xv) Director, Oil Palm Research, Pedavegi (AP)	Member
(xvi) Five experts on crop matters	Member
(xvii) Mission Director, NFSM	<b>Member Secretary</b>

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

**4.1.5** The National Food Security Mission Cells created in the Crops Division and Oilseeds Division during 11th Plan, 12th Plan, will continue beyond 12th Plan from



2017-18 to 2019-20. The NFSM cell will have three Additional Commissioners, three Deputy Commissioners, two Assistant Commissioners, three Assistant Directors, three Senior Technical Assistants (STA) and supporting staff for foodgrain crops. The programme of Oilseeds/Oil Palm/TBOs will be managed by existing Technical Support Group of Oilseeds Division. As regards Nutri-Cereals, this will be supported by the Officers of NFSM Cell for Food grain crops. As regards Seed Village Programme, this will be supported by the existing staff of Seed Division. If needed, additional supporting staff may also be engaged after the approval of NFSM-GC.

## 4.2 State Level

**4.2.1** The State Food Security Mission Executive Committee (SFSM-EC) constituted by the State Government under the chairmanship of Chief Secretary to oversee the activities of the Mission in the State will continue. However, the States may include and invite officers responsible for erstwhile NMOOP constituent crops. The constitution of the State Food Security Mission Executive Committee (SFSM-EC) will be as follows:

(i)	Chief Secretary	<b>Chairman</b>
(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)	Secretary (Food & Public Distribution)	Member
(x)	Vice Chancellor(s) of SAUs	Member
(xi)	Director Agriculture	Member
(xii)	Director/Project Director of ICAR Institutes	Member
(xiii)	Representatives of NABARD and Lead Bank	Member
(xiv)	State Mission Director	<b>Member Secretary</b>

**4.2.2** During 11th Plan, State Governments nominated/created a suitable autonomous agency registered under the Societies Registration Act for implementing the Mission at the State and district levels. However, the mission has been implemented through State Government at district level in some of the states during 12th 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. Some States directly transfer the funds through treasury to district level (Joint Director/Deputy Director, Agriculture or equivalent). The agency thus nominated will implement the Mission's programme in the State beyond 12th Plan from 2017-18 to 2019-20. The State Government may consider continuation of the same system.

**4.2.3** Separate accounts for the scheme would be maintained by the State through Public Financial Management System (PFMS), which is mandatory from April 2018. Therefore a bank account at State Level has to be opened and fund to the District level Offices/Agencies has to be transferred as per the Account Code prescribed by the State Food Security



Mission Executive Committee (SFSM-EC). The annual accounts would be duly audited by a Chartered Accountant/Accountant General of the State every year.

**4.2.4** The Direct Benefit Transfer (DBT) would be implemented to transfer the funds to identified beneficiaries for the specified interventions of NFSM. The details of data bank related to beneficiaries would be uploaded to Management Information System (MIS) of NFSM by the State Government agencies/departments.

**4.2.5** The State/Department/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 base line 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), Farmers Producer Organizations (FPOs), State institutions and other similar entities as per States strategy besides approved agencies of the mission.

(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 and matching State share for National Food Security Mission as per approved provisions.

## 4.3 District Level

**4.3.1** At the district level, the scheme will be implemented through available staff at district level including the staff of PMT or district Agriculture/Department Horticulture Officers/ATMA for the NFSM-crops. The State Level Agency will provide the required funds at the District Level/Agency through PFMS/State Treasury for execution of the programme at the district/block level. However, the account would be maintained at district level.

**4.3.2** A District Food Security Mission Executive Committee (DFSM-EC) will continue to function during 2018-19 and 2019-20 for project formulation, implementation and monitoring of the scheme components through the Agriculture Department involving concerned stakeholders e.g. some states implement oil palm programme through horticulture department and therefore, concerned officers would be part of DFSM-EC.

**4.3.3** DFSM-EC 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 DFSM-EC. The DFSM-EC will implement programme with respect to integration of extension services for convenience with ATMA without losing focus on NFSM. The constitution of the DFSM-EC will be as follows:



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

**4.3.4** Chairman, DFMS-EC 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 for foodgrain crops will continue to function under the leadership of the Mission Director. National Consultants/Consultants in identified fields of expertise, Programme Manager, Senior Programmers, Technical Assistants, and supporting staff will form part of the national PMT. As regards Oilseeds/Oil Palm/TBOs, it would be managed by the existing Technical Support Group (TSG) at national level through outsourcing agencies. TSG will comprise of National Consultants, Technical Assistants, Junior Programmers, Typists and Data Entry Operators.

**4.4.2** PMTs constituted at the State and the district levels for foodgrain crops would continue beyond 12th Plan from 2017-18 to 2019-20 also. 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 Quarters 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 for foodgrain crops is given in **Annexure-I(a)**. In addition, Rs. 2.40 lakh is allowed annually for hiring the vehicle to each District and State PMT for field visits. The list of districts having provision of PMT for foodgrain crops is given in **Annexure-I(b)**.

**4.4.3** The State/district PMTs constituted will continue to function under the leadership of the State Mission Director/Deputy Director of Agriculture/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 NFSM-EC. 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(c)**. The 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 National Food Security Mission**

**6.1** NFSM-Rice, NFSM-Wheat and NFSM-Pulses will be implemented in 194, 126 and 638 identified districts of different states, respectively. Now, NFSM-Coarse Cereals will be divided into two parts i.e. NFSM-Coarse Cereals (Maize & Barley) and Sub Mission on Nutri-Cereals. NFSM-Coarse Cereals (Maize & Barley) will be implemented in 269 districts of 27 States. The list of the State-wise identified districts are given in **Annexure-II(a) to II(d)**. NFSM Nutri-Cereals will be implemented in 202 districts of 14 States including hilly state of Uttarakhand. In addition, flexibility has also been given to 8 North Eastern States and 2 Hilly States of Himachal Pradesh and Jammu & Kashmir to implement the programme, where Nutri-Cereals are grown by the farmers in the Districts identified by the states. The list of such districts for Nutri-Cereals is given in Chapter for NFSM-Nutri-Cereals.

### **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 north-eastern states (except Assam) with at least 5000 ha area under rice have been selected.
- (c) Districts with at least 15000 ha area under rice or wheat in hill states of Himachal Pradesh, Jammu & Kashmir and Uttarakhand have been selected.



(d) All districts of 29 states have been included under NFSM pulses.

(e) In case of coarse cereals (Maize and Barley), the districts covering 70% of the total coarse cereals area of the state have been selected.

(f) All States growing Jowar, Bajra, Ragi and Small Millets will be covered under the programme of NFSM-Nutri-Cereals (Jowar, Bajra, Ragi and Small Millets). However, for identification of Districts, only those districts shall be identified that have more than 10,000 ha area under Jowar, Bajra and 5,000 ha area for Finger Millet and 2,000 ha area for Small Millets (Foxtail, Barnyard, Kodo, Little/Kutki and Proso Millets). NFSM Nutri-Cereals is being implemented in 202 Districts of 14 States along with hill states and 8 North Eastern States including Assam. The North Eastern States, Jammu & Kashmir and Himachal Pradesh have been given flexibility to implement Nutri-Cereals programme.

(g) The programme would be implemented in Left Wing Extremism (LWE) districts covered under NFSM.

**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 NFSM-EC. The State Governments will release the funds to the State Level Agency through PFMS/Treasury. The State Level Agency would make funds available to the District Level Agency in accordance with approved programme of the district. District level agency would release the fund to the Implementing Agency/beneficiary.

**7.2** The release of Central Share to the States would be in two installments; the first installment during the months of April-June, subject to the approval of the State Annual Action Plan and the terms and conditions stipulated from time to time; the second instalment during the months of October-December on the request of State Govt. and on fulfilment of the following conditions:

(i) Utilization of at least 60% of the available funds including the opening balance, State Government's contribution during the previous year released (in case of deficiency therein, Central Share would be reduced proportionately); (ii) The opening balance of the State should not exceed 10% of the allocation of the previous year (in case, the opening balance exceeds this limit, the Central share would be proportionally reduced); (iii) Audit Reports and Audited Statement of Accounts, Utilization Certificates for the previous year furnished; (iv) Physical and Financial Achievement with reference to Annual Action Plan; and (v) Other terms and conditions stipulated at the time of the previous release should have been met.

**7.3** The funds for the implementation of the activities of NFSM components will be released by the State/District Level Agency



to the nodal departments for the procurement of 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 District Food Security Mission Executive Committee (DFSM-EC) and State Food Security Mission Executive Committee (SFMSM-EC) will be submitted to the Ministry of Agriculture, Govt. of India for further release of fund.

**7.4** As far as possible PFMS/Treasury 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 for Central Share and matching State share in prescribed accounting system for the Mission, both at the State and district level.

**7.5** The Direct Benefit Transfer (DBT) would be implemented to transfer the funds for specified interventions of NFSM to identified beneficiaries as per the guidelines issued and revised from time to time. The States/Implementing agencies would transfer the benefit to the targeted beneficiaries through DBT by using Aadhar etc. The details of data bank related to beneficiaries would be uploaded on MIS of NFSM by the States/ Implementing Agencies.

**7.6** The present financing restructured in the year 2015-16 as 60:40 between Central and General States and 90:10 between Central and NE States and 3 Himalayan Hill States, would continue.

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

**8.1** The Department of Agriculture, Cooperation and Farmers Welfare,

Government of India would communicate component-wise tentative annual outlay to each State for developing Annual Action Plan. The agency (DFSM-EC) 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 (SFMSM-EC) and furnish the same in prescribed format **[Annexure III(a) to III(d)]** to Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare for consideration by the National Food Security Mission Executive Committee (NFSM-EC). 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** State Food Security Mission Executive Committee (SFMSM-EC) is empowered to make interventional changes in budgetary allocation based on the local needs to the extent of 20% of the total allocation; provided the proportion of funds approved for various components does not change as per guidelines.

## **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 DFSM-EC 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 NFSM-EC.

**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, KVKs/ICAR institutes and Crop Development Directorates of DAC&FW.

**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&FW, ICAR, SAUs, CDDs, Research Institutions concerned and officials of State Departments concerned. The eight Crop Development Directorates will be involved in monitoring of the Mission activities in States assigned to them.

**9.6** The National Level Monitoring Teams (NLMTs) would be constituted for each state for monitoring the activities of the Mission.

## 10. Reporting System

The State Department of Agriculture will ensure submission of Monthly/Quarterly Progress Reports (MPRs/QPRs) which

should reach by 5th of the month following each Month/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) to IV(d)**]. One copy of the Quarterly/Annual Report of NFSM-Rice should be sent to the Directorate for Rice Development, Patna; NFSM-Wheat to the Directorate of Wheat Development, Ghaziabad; NFSM-Pulses to the Directorate of Pulses Development; Bhopal and NFSM-Coarse Cereals (Maize & Barley) to Directorate of Millets Development, Jaipur. The formats for reporting would be as prescribed by the NFSM-EC. State may submit the MPR/QPR indicating targets & achievements (physical & financial) for the Scheduled Caste Sub Plan (SCSP), Tribal Sub-Plan (TSP) and women beneficiaries & also in final report.

## 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** Impact Evaluation Study/Studies at the National Level will also be undertaken through an independent agency during 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. The State implementing agencies will provide adequate support to the agencies selected for evaluation and the recommendation of Mission Director.

**11.4** Information Communication Technology (ICTs) 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, reflecting the details of benefit extended to individual beneficiaries through DBT.

## 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. However, States will be allowed to make allocation to SC/ST farmers proportionate to their population in the States/districts. The data on beneficiary classes will be generated and maintained by the State for reporting at National Level.

**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 State Food Security Mission Executive Committee

(SFSM-EC) 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 programmes listed below now stand discontinued and merged with NFSM:

- (a) National Mission on Oilseeds and Oilpalm (NMOOP);
- (b) Seed Village Programme Component of Sub-Mission on Seed and planting materials; and
- (c) Nutri-Cereals (Millets) are included in existing NFSM-Coarse Cereals and thus, NFSM-Coarse Cereals is divided into two parts i.e. NFSM-Coarse Cereals (Maize & Barley) and Sub-Mission on Nutri-Cereals.

## 14. Interventions

Interventions under the five components (Rice, Wheat, Pulses, Coarse Cereals and Nutri-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 area 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, bee keeping in Arhar, city compost, promotion of Arhar on rice bunds, promotion of plantation crops on bunds, 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 into 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 hilly States and North-Eastern States will be restricted to 10 ha. **However, the size of compact demonstrations for pulses is proposed to be reduced to 20**

**ha in those districts where crop area is less than 10000 ha even in general States and non-traditional areas.** 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 should be included in a demonstration. For each farmer, at least 0.4 ha area will also 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 in addition to incentives for demonstration 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. The beneficiaries should also be selected for oilseed & pulses cultivation in the areas where potential of irrigation has been created under Pradhan Mantri Krishi Sinchayee Yojna (PMKSY).

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 on the basis of soil health cards.

**viii. Identification of Technologies to be demonstrated:** The improved practices for the demonstration plots should be identified in consultation with SAU/ Regional Research Stations/KVKs/ICAR research centres 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:** 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/District level officers.

**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 senior officers of the Department. The extension functionaries should visit the demonstration plots and arrange need based visits of scientists.

**xii. Display Board:** The display board should contain information on the critical inputs used and the interventions which are being demonstrated. A display board containing the following information should be installed at the demonstration plot:

- a) Number of farmers in cluster
- b) Name of Village
- c) Name of crop 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. Analysis should also have information on farmers practice and effect of demonstration with respect to yield gain and different parameters.

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, coarse cereals and nutri-cereals are the approved components of NFSM for which 5% of the amount of ACPP 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/oilseeds sequence in rainfed areas.
- © Rice-chickpea/lentil/moong/urd/oilseeds sequence in rice-fallow system.

##### Wheat

There will be demonstrations on improved package of practices (variety, resource conservation technology, micronutrients, bio-fertilizers, nutrient management, production and protection technologies, 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/nutri-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.

In addition to state government, the KVKs spread throughout the country will also conduct demonstrations on pulse crops.

### Coarse Cereals/Nutri-Cereals

Demonstrations will be conducted on coarse cereals/ nutri-cereal crops and coarse cereal based cropping systems. The crops involved are maize, barley, sorghum, pearl millet, finger millet and small millets [Kodo, 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 other pulse should be selected depending on the area.

### Cost Norms of Demonstration

The incentives for demonstration in one ha area for sole crop (excluding coarse cereals) will Rs 9000/- and Rs. 15000/- for a cropping sequence. For coarse cereals, the incentive for demonstration in one ha area will be Rs. 6000/-. The incentives of demonstration includes organization of field

day, distribution of publicity material and monitoring visit of scientists/GOI/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-V**. 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 seeds

- (i) Seed producing agencies (NSC/SSCs/SAUs/ICAR Institutes/ Cooperatives etc) authorized by the State will distribute certified/hybrid seeds of less than 10 years age notified/released varieties/cultivars to selected districts. The District Food Security Mission Executive Committee (DFSM-EC) 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 2ha each in a crop season as per provisions in the DBT. Assistance for purchase of seed is as below:

- **Rice**

(a) **Hybrids - Rs. 100/kg** or 50% of the cost whichever is less.

(b) **High yielding Varieties** less than 10 years old- **Rs. 20/kg** or 50% of the cost whichever is less. This assistance will be **Rs. 10/kg** or 50% of the cost, whichever is less for varieties older than 10 years with special character (drought resistance/flood tolerance/special food quality, etc). However, the allocation of older than 10 years varieties will not be more than 20% of the total HYV seed allocation.

- **Wheat**

**High Yielding Varieties** less than 10 years old- **Rs. 20/kg** or 50% of the cost whichever is less. This assistance will be **Rs. 10/kg** or 50% of the cost, whichever is less for varieties older than 10 years with special food quality, etc. However, the allocation of older than 10 years varieties will not be more than 20% of the total HYV seed allocation.

- **Pulses**

**Varieties** less than 10 years old- **Rs. 50/kg** or 50% of the

cost, whichever is less. This assistance will be **Rs. 25/kg** or 50% of the cost, whichever is less for varieties older than 10 years with special character. However, the allocation of older than 10 years varieties will not be more than 20% of the total HYV seed allocation.

- **Coarse Cereals (Maize & Barley)**

(a) **Hybrids- Rs. 100/kg** or 50% of the cost whichever is less.

(b) **Varieties** less than 10 years old- **Rs. 30/kg** or 50% of the cost whichever is less. This assistance will be **Rs. 15/kg** or 50% of the cost, whichever is less for varieties older than 10 years with special food quality. However, the allocation of older than 10 years varieties will not be more than 20% of the total HYV seed allocation.

- **Nutri-Cereals**

(a) **Hybrids- Rs. 100/kg** or 50% of the cost whichever is less.

(b) **Varieties** less than 10 years old- **Rs. 30/kg** or 50% of the cost whichever is less. This assistance will be **Rs. 15/kg** or 50% of the cost, whichever is less for varieties older than 10 years with special food quality. However, the allocation of older than 10 years varieties will not be more than 20% of the total HYV seed allocation.



(ii) In case of supply of seeds by central seed agencies like NSC/NAFED/IFFDC/KRIBHCO etc., reimbursement of subsidy for distribution of Hybrid/HYV seeds of rice, wheat, coarse cereals, nutri-cereals and pulses will be made by the State Government 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. Government of India will only indicate the targets to the Central Seed Agencies as per respective Action Plans of the States. The incentives on certified seed have been fixed to absorb price escalation and other changes. The States should strive to supply seeds at lowest prices as much as possible so that farmers get quality seeds at cheaper rate.

#### 14.2.2 (a) Seed Minikits Distribution of Pulses:

In order to promote quick spread of new varieties of pulses, minikits of pulse seed varieties not older than 10 years will be provided free of cost to farmers. National and State Seed Producing Agencies will supply minikits to State Government for distribution amongst farmers. Allocation of minikits will be made to all farmers in contiguous area of at least 25 hectares. The size of minikits will be 16 kg of gram, 8 kg of lentil and 4 kg each for moong, urd and pigeon pea. This quantity will be sufficient to plant 0.2 ha. The price of seed minikits will be fixed by National Food Security Mission Executive Committee (NFSM-EC) and the cost will be reimbursed to the agencies on certification of receipt by the State Governments. The State Government will educate/provide training to the farmers to multiply minikits seeds for further use.

#### 14.2.2 (b) Production of certified seeds of Pulses and Nutri-Cereals:

(i) **Assistance for seed production for Pulses:** Assistance for production of certified seeds of pulses of notified/released varieties with in 10 years age will be provided to seed growing agencies @ Rs. 50/kg. Seventy five percent (75%) of the subsidy is meant for farmers and 25% for seed producing agencies to meet expenditure including certification cost. Besides, Seed Producing Agencies shall be eligible for incentive only when they purchase the seed produced from the farmers and issue a certificate to this effect. The subsidy will be given to central seed agencies like NSC, KRIBHCO, IFFDC, NAFED, HIL etc directly and to state seed corporations and private seed companies through State Governments. The central seed agencies will submit action plan for approval of NFSM-EC. In case central/state seed producing agencies produce seed on their own farm, the incentive @ Rs 50 per kg will be provided to them only when seed produced for individual pulse crop is higher by 10% of its maximum production during last 3 years. In this regard, a certificate is to be provided that seed is certified by Seed Certification Agency.

(ii) **Assistance for seed production for Nutri-Cereals:** Assistance for production of certified seeds of Nutri-Cereals of notified/released varieties with in 10 years age will be provided to seed growing agencies @ Rs. 30/kg. Similarly, the seed production subsidy @ Rs. 100/kg will also be provided for Hybrids of Nutri-Cereals. It will also be ensured that out of total seed production, at-least 20% of seed for Hybrids and 80% of HYVs is produced. Seventy five percent (75%) of the subsidy is meant for farmers and 25% for seed producing agencies to meet expenditure including



certification cost. Besides, Seed Producing Agencies shall be eligible for incentive only when they purchase the seed produced from the farmers and issue a certificate to this effect. The subsidy will be given to central seed agencies like NSC, KRIBHCO, IFFDC, NAFED, HIL etc directly and to state seed corporations and private seed companies through State Governments. The central seed agencies will submit action plan for approval of NFSM-EC. In case central/state seed producing agencies produce seed on their own farm, the incentive @ Rs. 30/ kg for HYVs and Rs. 100/kg for Hybrids will be provided to them only when seed produced for individual Nutri-Cereal crop is higher by 10% of its maximum production during last 3 years. In this regard, a certificate is to be provided that seed is certified by Seed Certification Agency.

#### 14.2.3 Nutrient management/soil ameliorants

(i) This component will be implemented by the State Department of Agriculture. The District Food Security Mission Executive Committee (DFSM-EC) will finalize the list of beneficiaries in consultation with village panchayats.

ii. The micronutrients/lime/gypsum or other sulphur containing fertilizers such as phospho-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:

a. Micronutrient @ Rs.500 per ha

b. Liming or paper mud of acidic soil @ Rs.1000 per ha

c. Gypsum/other sources of sulphur @ Rs.750 per ha

iii. Use of various bio-fertilizers including Rhizobium/Azotobacter/Azospirillum/phosphate solubilizing bacteria (PSB) etc in pulses @ Rs. 300 per ha or 50% of the cost, whichever is less.

iv. Crop components covered will be rice, wheat, pulses and Nutri-Cereals.

#### 14.2.4 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 District Food Security Mission Executive Committee (DFSM-EC) will finalize the list of beneficiaries in consultation with village panchayats.

ii. A farmer will be given assistance for a maximum of 2 ha area for the target crop.

#### 14.2.5 Flexi Interventions:

Twenty five percent (25%) of the approved outlays will be allocated to Flexi Interventions covering farm implements/machines, capacity building of farmers, water carrying pipes, post harvest technologies like Dal Mill/de-stoning/grading, etc and other location specific interventions which are important for productivity enhancement and





sustainability. Farm machineries included under NFSM and Sub Mission on Agricultural Mechanization (SMAM) will continue to be covered under NFSM as per SMAM norms of assistance. Any revision in the norms of assistance under SMAM will also be applicable under NFSM. The States to ensure that the cost of machine/equipment/activities are justified and the subsidy should not be more than 50% of the actual cost. The States may, however, top up subsidy from own resources beyond 50%, if needed, as no central fund is allocated for this purpose.

**a. 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 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 enables farmers to cover large area in a short period and utilization of

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.** SFMS-EC would nominate the agency and fix the cost of the farm implements for supplying the same to the selected farmers.

**viii.** Fifty percent (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 ATMA Zilla Parishad wherever needed and approved by the District Food Security Mission Executive Committee (DFSM-EC). Cost of the machine, inclusive of the admissible subsidy and the farmers' share, would be reimbursed to the agency fixed by the SFMS-EC for supplying the machines to the selected beneficiaries.

x. CIAE, Bhopal/SAUs would be the nodal institute for technical support for farm machine/equipments technology use.

#### b. Training

It has been observed that institutional strengthening and capacity building of human resource, particularly, in the context of small and marginal farmers, oral lessees, tenant farmers in the remote areas and high risk yet strategic crops like pulses, coarse cereals and nutri-cereals are required to sustain the new initiatives in long run.

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 (production 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 is 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>

#### c. Local Initiatives

(I) To support important location specific interventions, which are not covered under the normal activities of the Mission but can help in boosting the production and productivity of rice, wheat, pulses and nutri-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. Besides, storage bags prepared by ICRISAT for grains may also be taken up under Local Initiatives.



(ii) The interventions will be selected in consultation with Zilla Parishad.

(iii) The assistance will be limited to 5% of the total flexi items 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 SFMS-EC for releasing the funds to the implementing agency at the district level.

### 14.3 Commercial Crop-based cropping systems:

The cropping system approach and inter-cropping of pulses or recommended inter-crop 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 inter-row space of commercial Crops for growing intercrops particularly foodgrains/oilseeds; 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 NFSM-EC. The activities

would be implemented by the States in close coordination with the Crop Development Directorates.

### 14.4 Research Support:

**14.4.1** In order to facilitate the conduct of strategic adaptive research for food grains including Nutri-Cereals, address various researchable issues and gaps of potential yield and yield realized at farmers' field of food crops, research projects supported and approved during the 12th Plan will be continued upto 2019-20. SAUs, National and International research organizations may be supported for research proposals and themes are 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 soil 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 soils.
- (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 millets, nutri-cereals and pulses.

(xiv) Precision farming-nutrient management and crop management.

(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 State Agricultural Universities (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 for the promotion of NFSM crops of the district. 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 NFSM-EC would be accorded approval by NFSM-EC on case to case basis. The unit cost of these project proposals would be limited to

Rs.50,000 per ha including farmers 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 areas are:

### a. **Reclamation of problematic soils:**

i) The surveys and project preparation; ii) Land development activities; iii) Rate of application of amendments (gypsum, phospho-gypsum, pyrites etc) and cost based on severity of alkalinity/salinity etc; iv) Crops tolerant to alkalinity/salinity/acidity etc. adopting the reclamation packages etc. The reclaimed soil will be used for NFSM-Crops like Rice, Wheat, Pulses, Coarse cereals, Nutri-Cereals, Oilseeds & Cotton 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 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. The agro-forestry components may also be covered to create sink for carbon sequestration.

**(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 foodgrain crops. Suitable institutes/ organizations including NGOs may be entrusted to undertake cluster 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 and not declared black listed in past by Central/State/Districts authorities.

**(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. 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 Farmer Producer Organizations (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 etc and enter into partnerships with private entities on more equitable terms. Small Farmers' Agribusiness Consortium (SFAC) has already demonstrated the benefits of aggregating farmers into FPOs during the XII Plan.

State Governments 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 & FW. 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 broadly be 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 firm, 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 State Governments in drawing up action plans, if required. State Governments will also have the flexibility to undertake FPO promotion through any other Central, State, Civil Society or private institution in the Process Guidelines for FPOs referred to above, will be followed in such sector entity of their choice. A copy of the FPO Process Guidelines is available on the DAC&FW and SFAC web sites. The component wise financial provisions for one FPO of 1000 farmers under ValueChain Integration of Small and

Marginal farmers is given at **Annexure-VII**.

**(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 State Governments 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 NFSM-EC.

**(v) Marketing support for pulses:** For promoting the production of pulses, it is proposed that marketing support would be provided to growers in form of insurance cover for machines, Dal mill 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, States and similar organizations at Centre/State level against specific proposals approved by NFSM-EC. The support for value



addition and marketing in pulses given in **Annexure-VII** 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 (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 (@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 (@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.

The FPOs to be established by SFAC will be implemented on 100% GOI share. The FPOs of State Govts. is to be implemented on 60:40 sharing basis for



General States and 90:10 for Hilly & NE States.

## 14.6 Exposure visit to International Organizations

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.

## 14.7 Awards

The national level Krishi Karman Awards consists 8 awards including three for the States with highest foodgrain production in three identified categories (Category I – where production is > 10 million tonnes during the particular year, Category II – where production is between 1-10 million tonnes during the particular year, and Category III – where production is <1 million tonne during the particular year) and five awards for highest production under each of the individual crops of Rice, Wheat, Pulses, Coarse Cereals and Oilseeds. Agriculture Minister's Krishi Karman Awards for progressive farmers will be given to selected farmers (One male and one female) from the awardee states. Similarly, State level Krishi Karman Awards are proposed to all individual NFSM Crops by implementing states for the selected districts adopting guidelines of National Krishi Karman Award or modified guidelines as per their local needs. This may be organized either on 26th January or 2nd October.



## 14.8 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. 2.40 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 earlier would be provided.

At state level, the assistance of Rs. 2.40 lakh per year for hiring the vehicle, Rs. 1.0 lakh per year for stationery and other contingencies (for every 15 districts) would be provided. However, such support will not include any expenditure for recurring expenses like pay and allowances to the staff of the State Government.



Annexure-I(a)

**Crop wise Number of Districts in NFSM**

Sl. No.	States	Number of NFSM Districts					State PMTs		District PMTs
		Rice	Wheat	Pulses	Coarse Cereals (Maize & Barley)	Nutri-Cereals	Consultants	T A	
20	Odisha	8		30	8	6	2	4	30

Annexure-I(b)

<b>14. Odisha (30)</b>			
1	Angul	16	Kendrapara
2	Baleshwar (Balasore)	17	Keonjhar
3	Bargarh	18	Khordha
4	Bhadrak	19	Koraput
5	Bolangir	20	Malkangiri
6	Boudh	21	Mayurbhanj
7	Cuttack	22	Nawapara
8	Deogarh	23	Nabarangpur
9	Dhenkanal	24	Nayagarh
10	Gajapati	25	Phulbani
11	Ganjam	26	Puri
12	Jagatsinghpur	27	Rayagada
13	Jajpur	28	Sambalpur
14	Jharsuguda	29	Sonepur
15	Kalahandi	30	Sundargarh



Annexure-I(c)

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

Level and post	Educational Qualification & experience	Honorarium (Rs./ Month)	Conveyance / Travelling Allowance (Rs./ Month)	Daily Allowance (Rs./Day)
<b>A. District level</b>				
District Consultants	1. Bachelor degree in Agriculture with Masters Degree in Agronomy/Agri. Extension/ Soil Science/Plant Protection/ or any other agricultural subject, having at least 10 years of field experience in crop production/ Extension. In case of departmental experienced personnels, qualification may be relaxed by the SFSMEC.	45,000	2,000	200 (for 10 days in a month) or as per state rules
	2. The person should have the ability of team leadership & motivation.			
Technical Assistants	1. Bachelor degree in agriculture with computer skills. In case of non-availability of agriculture graduates, candidates with Bachelor degree in sciences may be considered.	30,000	1,500	150 (for 10 days in a month) or as per state rules
	2. Person with experience of research and extension will be given preference.			
<b>B. State Level</b>				
State Consultants	1. Doctorate Degree in Agronomy/ Agriculture Extension/Soil Science/Plant Breeding/ Plant Protection/ Agricultural Engineering/ or any other agricultural subject having at least 10 years of field experience or in case of departmental experienced personnel, qualification may be relaxed by the SFSM-EC.	65,000	3,000	200 (for 10 days in a month) or as per state rules



	2. Ability to analyze data and preparation of projects, writing reports/seminar notes/ articles as evidenced by publication in national and international journals.			
	3. The person should have the ability of team leadership & motivation.			
Technical Assistants	1. Master degree in Agriculture with specialization in management of field crops. Knowledge of computer.  2. Person with experience of research and extension will be given preference.	40,000	2,500	150 (for 10 days in a month) or as per state rules
<b>C. National Level</b>				
National Consultants (3)	1. Doctorate Degree in Agronomy/ Agriculture Extension/Soil Science/Plant Breeding/Crop Improvement/ Plant Protection / or any other agricultural subject or M.Tech in Agricultural Engineering with minimum 15 years of field experience in crop production/agricultural mechanization. In case of departmental candidate having at least 5 years working experience in relevant field as Deputy Commissioner or above.  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.  4. Maximum Age Limit 65 years or as per instruction of the Department. Suitable candidates beyond 65 years of age will also be considered with approval of NFSM-GC.	85,000	4,000	TA and other items as per GoI rules (Equates to Grade "A" Gazetted Officer)



<p>Consultant (4)</p>	<p>1. Master Degree in Agronomy/ Agriculture Extension/ Soil Science/ Plant Breeding/ Crop Improvement/ Plant Protection/ Agriculture Engineering/ or any other agricultural subject having at least 8 years of field experience in crop production/ agricultural mechanization. Technical Assistants working at National Level and State/ District Consultant or Doctorate Degree holders in the field of Agricultural Sciences will be given preference.</p> <p>2. Ability to analyze data and preparation of projects, writing reports/seminar notes/articles as evidenced by publication in national and international journals.</p> <p>3. The person should have the ability of team leadership &amp; motivation.</p>	<p>65,000</p>	<p>3,000</p>	<p>As per GoI rules (Equivalent to Grade "B" Gazetted Officer)</p>
<p>Programme Manager (1)</p>	<p>1. At least 15 years experience of working in administration and finance out of which at least 5 years as Deputy Secretary or above</p> <p>2. Working knowledge of Computer Application.</p> <p>3. The person should have the ability of team leadership &amp; motivation.</p> <p>4. Maximum Age Limit 65 years or as per instruction of the Department. Suitable candidates beyond 65 years of age will also be considered with approval of NFSM-GC.</p>	<p>85,000</p>	<p>4,000</p>	<p>As per GoI rules (Equivalent to Grade "A" Gazetted Officer)</p>



Lead Programmer (1)	Master in Computer Application (MCA) from recognized university/ institutes with 8 years experience in Govt project in Asp. Net and Sql Server	65,000	3,000	As per GoI rules (Equatesto Grade "B" Officer)
Senior Programmer (1)	Master in Computer Application (MCA) from recognized university/ institutes with 4 years experience in Govt project in Asp. Net and Sql Server	55,000	2,500	As per GoI rules (Equatesto Grade "B" Officer)
Programmer (1)	Master in Computer Application (MCA) from recognized university/ institutes with 2 years experience preferably in Govt project in Asp. Net and Sql Server	40,000	2,500	As per GoI rules (Equatesto Grade "B" Officer)
Technical Assistants (13)	<p>1. Master degree in Agronomy/ Soil science/ Agriculture Extension/Plant breeding / or any other agricultural subject with specialization in management of field crops. Knowledge of computer essential. The criteria of essential qualification may be relaxed to Departmental experienced personnel in the relevant field.</p> <p>2. Person with experience of research and extension will be given preference.</p>	45,000	2,500	As per GoI rules (Equatesto Grade "B" Official)
Part time need based Consultants (Total 40 men months)	<p>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 or 5 years experience in the rank of Additional Commissioner in Government of India.</p> <p>2. Ability to analyze data and preparation of projects, writing reports/seminar notes/articles as evidenced by publication in national and international journals.</p> <p>3. The person should have the ability of team leadership &amp; motivation.</p>	1,00,000	Nil	As per GoI rules





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

National Food Security Mission in operation in 29 States has a provision for engaging National Consultant, 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:**

- To provide technical guidance to the Mission Director/ officers of the Department on matters related to interventions of the Mission. To examine action plans and to develop standardized formats for components of action plans.
- To assist States 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 follow progress with respect to established time-lines and indicators for completion of each activity.
- To monitor the quality of implementation of various interventions proposed in the Mission for improving the production of NFSM Crops.
- To assist Mission Director and other senior officers in synchronizing and synergizing with other divisions of DAC&FW; State governments; State agriculture Universities; ICAR research institutions and other stake holders on technical front.
- To facilitate formation of 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.
- To coordinate the implementation of DBT in the state and district levels.
- 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.
- 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 assist in implementation of DBT at states/districts.
- To undertake other works assigned by the Mission director from time to time.

### STATE CONSULTANTS:

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

**B. Duties:**

### 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.
- Liaisoning with SAUs, ICAR Institutes & Commodity Directorates.
- Identification and delineation of acid/alkali soils in the State.
- Updating of package of practices of mandated crops and making the same available to the State/ districts.
- Assessment of requirement of inputs for the State based on targets approved by GOI.
- Development of training material and activity schedule for Cropping System based Training.



- Planning of field demonstrations and supervision of the same.
- 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.
- Training of field staff engaged in NFSM work.
- Identification of promising crop varieties/hybrids of the mandated crops for the State.
- Development of seed rolling plan for NFSM districts in consultation with SAUs, State Seed Corporation & State Department of Agriculture.
- Implementation of DBT at state & district levels.
- Making available technical information required by National Level Monitoring team during its visit to the State.
- Development of technical literature/ extension materials for farmers.
- 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 implementation of DBT at state and district levels.
- To undertake other works assigned by the State Mission director from time to time.

## **DISTRICT CONSULTANTS:**

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

### **B. Duties:**

- Liaisoning with KVK and other Agricultural Research Organizations located in the districts.



- Collection and maintenance of basic Agricultural and allied statistics of the district.
  - Planning and supervising conduction of field demonstration and FFS and reporting yield, weather data to the State Mission Director/State Consultant.
  - Development of technical / extension material for farmers in consultation with District Agricultural Officer and the State Consultant.
  - Assessing input requirement of the district for NFSM programme.
  - Training of district extension staff in improved crop production practices with emphasis on mandated crops.
  - Analyze and documentation of the contribution of various interventions under cluster demonstrations and success stories.
  - To implement the DBT for all NFSM crops in the district.
- assigned to them at State/ District level.
- Monitoring of crop condition, major incidence of insect/ pest, nutrient deficiency and reporting to the District Consultant.
  - To implement the DBT for all NFSM crops at district level.

## **TECHNICAL ASSISTANTS:**

**A. Qualification: As per guidelines.**

**B. Duties:**

- Conducting field demonstrations with the help of Panchayat level field extension functionaries.
- Assisting Consultants in performance of duties

### 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 & FW: Issue guidelines for implementation of NFSM components in the States.	Issue translation of guidelines in local language to all stake holders.	-			-
2.	Planning	DAC & FW: 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 &FW: 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 &FW: 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 &FW: 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 &FW: 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.	(a) Flexi-components Farm Machineries and Implements	DAC & FW: 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	-	-
	(b) Local Initiatives (identification of need based interventions)	DAC & FW: 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	-	-
8.	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.



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## Districts Covered under NFSM RICE

### Annexure-II(a)

S. No.	Name of State	Districts	
18.	<b>Odisha (8)</b>	Angul	Malkangiri
		Deogarh	Nawapara
		Jharsuguda	Phulbani (Kandhmal)
		Keonjhar	Sundargarh



## Annexure-II(b)

### Districts Covered under NFSM-Pulses

S. No.	Name of State	Districts	
20	<b>Odisha (30)</b>	Angul	Kendrapara
		Balasore	Keonjhar
		Bargarh	Khordha
		Bhadrak	Koraput
		Bolangir	Malkangiri
		Boudh	Mayurbhanj
		Cuttack	Nawapara
		Deogarh	Nabrangpur
		Dhenkanal	Nayagarh
		Gajapatti	Phulbani (Kandhmal)
		Ganjam	Puri
		Jagatsinghpur	Rayagada
		Jajpur	Sambalpur
		Jharsuguda	Sonepur
		Kalahandi	Sundargarh



## Districts Covered under NFSM-Coarse Cereals (Maize )

Annexure-II(c)

S. No.	Name of State	Districts	
1	Odisha (8)	Nabarangpur	Phulbani
		Koraput	Rayagada
		Keonjhar	Ganjam
		Kalahandi	Gajapati



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

**State:**

1.

2.

3.





Sl.No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
	<b>* Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI (One Cluster of 100 ha)</b>						
	<b>(a) Direct Seeded Rice/ Line Transplanting/SRI (Target 1.5% of area of District)</b>						
	(i) Cluster Demonstrations on Direct Seeded Rice	Rs.9000/ha	ha				
	( i i) Cluster Demonstrations on Line Transplanting	Rs.9000/ha	ha				
	(iii) Cluster Demonstrations on SRI	Rs.9000/ha	ha				
	<b>Sub Total (a)</b>		<b>ha</b>				
	<b>(b) Cluster Demonstrations on Hybrid Rice ( One Cluster of 100 Ha)</b>	Rs.9000/ha	ha				
	<b>(c) Demonstrations on Stress Tolerant varieties of 100 ha each (30% of the total financial allocation of demonstration)</b>	Rs.9000/ha	ha				
	<b>(d) Cropping system based demonstration ( 30 % of the total financial allocation of demonstration)(Cropping Sequence to be specified)</b>						
	(I)	Rs.15000/ha	ha				
	(ii)	Rs.15000/ha	ha				
	(iii)	Rs.15000/ha	ha				
	<b>Sub Total (d) Cropping System Based Demonstrations</b>		<b>ha</b>				
	<b>Total Demonstrations [1(a) to 1 (d)]</b>		<b>ha</b>				
	<b>Seed Distribution :</b>						
	(a) Hybrid Rice Seed	Rs.10000/qltor50% of cost whichever is less	Qtls				
	(b) HYVs Seeds of Rice (For varieties older than 10 years)- Limited to 20 percent of total seed distribution target	Rs.1000/qltor50% of cost whichever is less	Qtls				
	(c) HYVs Seeds of Rice (For varieties less than 10 years)	Rs.2000/qlt or 50% of cost whichever is less	Qtls				
	<b>Sub-Total 2 (a) and 2 (b)</b>		<b>Qtls</b>				
	<b>Plant and Soil Protection Management:</b>						
	<b>(a) Soil Management</b>						
	(i ) Micronutrients	Rs.500/ha or 50% of cost whichever is less	ha				
	(ii) Liming in Acidic Soils	Rs.1000/ha or 50% of cost whichever is less	ha				
	<b>Sub Total Soil Mngement (INM)</b>		<b>ha</b>				
	<b>(b) Plant Protection Management</b>						
	(i) Plant Protection Chemicals and bio-agents	Rs.500/ha or 50% of cost whichever is less	ha				
	(ii) Weedicides	Rs.500/ha or 50% of cost whichever is less	ha				
	<b>SubTotalPlantManagement(IPM)</b>		<b>ha</b>				
	<b>Total Soil &amp; Plant Protection Management</b>		<b>ha</b>				



**Annexure-III(a) contd...**

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Final Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
4.	<b>Flexi components ( 25 % of the total allocation):</b>						
4(a)	<b>Farm implements and equipments</b>	As per SMAM norms	Nos.				
	(i)		Nos.				
	(ii)		Nos.				
	(iii)		Nos.				
	(iv)		Nos.				
	(v)		Nos.				
	(vi)		Nos.				
	(vii)		Nos.				
	(viii)		Nos.				
	(ix)		Nos.				
	<b>Sub-Total 4(a)</b>		Nos.				
4b.	<b>Water Application Tools:</b>						
	(i) Incentive for Pump Sets	Rs. 10000/unit or 50% of the cost whichever less	Nos.				
	(ii) Water Carrying Pipes (Type of Pipe to be Specified)	50% of the cost limited to Rs. 50/- per meter for HDPE pipes. Rs. 35/- per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of Rs. 15,000/- per farmer/beneficiary for water carrying pipe	Mtr.				
	<b>Sub Total 4 (b)</b>						
4c.	<b>Cropping System based trainings</b> (Four Sessions i.e. one before Kharif and rabi seasons, One each during Kharif and Rabi crops)	Rs. 3500/ Session Rs. 14000/ Training	Nos.				
4d.	<b>Miscellaneous Expenses</b>		Nos.				
	(i) Project Management Team & Other Miscellaneous Expenses at District level						
	(ii) Project Management Team & Other Miscellaneous Expenses at State level						
	<b>Sub-Total Misc Expenses</b>						
4e.	<b>Local Initiatives (Activities to be specified supported by full details)</b>						
	(i)						
	(ii)						
	<b>Total Local Initiative</b>						
	<b>Other Initiatives</b>						
4f.	(i) Demonstration by NGOs	Rs. 9900/ha					
	(ii) Assistance for custom hiring centres (Activities to be specified supported by full details)	Rs. 1500/ha					
	(iii) Specialized projects						
	<b>Total for Other Initiatives</b>						
	<b>Total NFSM-Rice</b>						
	<b>GOI Share</b>						
	<b>State Share</b>						

\* Please specify the interventions proposed to be demonstrated



Annexure-III(c)

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

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
1.	<b>*Demonstrations on Improved Technologies:</b>						
	<b>(a) Cluster Demonstrations (of 100 ha each)</b>	Rs.9000/ha	ha				
	(i)	Rs.9000/ha	ha				
	(ii)	Rs.9000/ha	ha				
	(iii)	Rs.9000/ha	ha				
	(iv)	Rs.9000/ha	ha				
	(v)	Rs.9000/ha	ha				
	<b>Sub Total (a)</b>	<b>Rs.9000/ha</b>	<b>ha</b>				
	<b>(b) Cropping system based demon-strations- 30% of the outlay of total demonstrations - (Specify cropping sequence)</b>						
	(i)	Rs.15000/ha	ha				
	(ii)	Rs.15000/ha	ha				
	(iii)	Rs.15000/ha	ha				
	(iv)	Rs.15000/ha	ha				
	(v)	Rs.15000/ha	ha				
	(vi)	Rs.15000/ha	ha				
	<b>Sub Total(b)</b>	<b>Rs.15000/ha</b>	<b>ha</b>				
	<b>(c) Demonstration on Inter- cropping (specify Intercrop)</b>						
	(i)	Rs.9000/ha	ha				
	(ii)	Rs.9000/ha	ha				
	(iii)	Rs.9000/ha	ha				
	<b>Sub Total (c)</b>	<b>Rs.9000/ha</b>	<b>ha</b>				
	<b>Sub-Total 1(a) and 1 (c)</b>						
	<b>Assistance for Distribution &amp; Production of Seeds</b>						
2.	<b>Distribution of Certified Seeds (for varieties less than 10 years of age) HYVs seeds</b>						
2(a).	(i) Arhar *	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	(ii) Moong	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	(iii) Urd	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	(iv) Gram	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	(v) Lentil	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	(vi) Any other (specify the name of crop) *For hybrids as per approved only	Rs.5000/qtl unit or 50% of cost whichever is less	Qtl				
	<b>Sub Total for Distribution (for varieties less than 10 years of age)</b>	<b>Rs.5000/qtl unit or 50% of cost whichever is less</b>	<b>Qtl</b>				
2(b).	<b>Distribution of Seeds (for varieties more than 10 years of age)- Limited to 20 percent of total seed distribution target</b>						
	(i) Arhar	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	(ii) Moong	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	(iii) Urd	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	(iv) Gram	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	(v) Lentil	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	(vi) Any other (specify the name of crop)	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl				
	<b>Sub Total for Distribution (for varieties more than 10 years of age)</b>	<b>Rs.2500/qtl unit or 50% of cost whichever is less</b>	<b>Qtl</b>				
	<b>Total for Seed Distbution [2(a) &amp; 2(b)]</b>		<b>Qtl</b>				





### Annexure-III(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
	<b>Production of Certified Seeds (for varieties less than 10 years of age)</b>						
	(i) Arhar	Rs.5000/qtl	Qtl				
	(ii) Moong	Rs.5000/qtl	Qtl				
	(iii) Urd	Rs.5000/qtl	Qtl				
	(iv) Gram	Rs.5000/qtl	Qtl				
	(v) Lentil	Rs.5000/qtl	Qtl				
	(vi) Any other (specify the name of crop)	Rs.5000/qtl	Qtl				
	<b>Sub Total for Production</b>	<b>Rs.5000/ qtl</b>	<b>Qtl</b>				
3	<b>Total for Seed-Item 2</b>		<b>Qtl</b>				
3(a)	<b>Plant &amp; Soil Protection Management</b>						
	<b>Soil Management:</b>						
	(i) Micro-nutrients	Rs.500/ha or 50% of cost whichever is less	ha				
	(ii) Gypsum/80% WG Sulphur	Rs.750/ha or 50% of cost whichever is less	ha				
	(iii) Lime	Rs.1000/ha or 50% of cost whichever is less	ha				
	(iv) Bio-fertilizers	Rs.300/ha or 50% of cost whichever is less	ha				
3(b)	<b>Sub-Total INM 3 (a) to (b)</b>		<b>ha</b>				
	<b>Plant Protection Management (IPM):</b>						
	(i) Distribution of PP Chemicals	Rs.500/ha or 50% of cost whichever is less	ha				
	(ii) Weedicides	Rs.500/ha or 50% of cost whichever is less	ha				
	<b>Sub-Total 4 IPM 4(a) to (b)</b>		<b>ha</b>				
4.	<b>Total Soil &amp; Plant Protection Management</b>		<b>ha</b>				
4(a).	<b>Flexi components (25% of the outlay):</b>						
	<b>Farm implements and equipments</b>	As per SMAM norms					
	(i)		Nos.				
	(ii)		Nos.				
	(iii)		Nos.				
	(iv)		Nos.				
	(v)		Nos.				
	(vi)		Nos.				
	(vii)		Nos.				
	(viii)		Nos.				
4(b).	<b>Sub-Total 5(a)</b>						
	<b>Water application tools</b>						
	(I) Sprinkler sets	The cost for sprinkler irrigation system for 1 ha would be from Rs.19542/- to Rs. 21901/- per ha depending on diameter of pipe used as per guidelines under PMKSY	ha				
	(ii) Pumpsets	Rs.10000/unit or 50% of cost whichever is less	Nos.				

\* Please specify the interventions proposed to be demonstrated



Annexure-III(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
	(iii) Pipe for Carrying water from source to field	50% of the cost limited to Rs. 50/- per meter for HDPE pipes. Rs. 35/- per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of rs. 15,000/- per farmer/beneficiary.	Mtrs.				
	(iv) Mobile raingun	Rs.28681/- to Rs. 34513/- per ha depending on diameter of pipe used as per guide-lines under PMKSY	ha				
	<b>Sub Total 4(b)</b>	Rs.3500/ Session					
4©	<b>Cropping System based trainings</b> (Four Sessions i.e. One before Kharif and rabi seasons, one each during Kharif and Rabi Crops)	Rs.14000/ Training	Nos.				
4(d)	<b>Miscellaneous Expenses:</b>						
	(i) Project Management Team & Other Miscellaneous Expenses at District level						
	(ii) Project Management Team & Other Miscellaneous Expenses at State level						
	<b>Sub-Total 4 (d)</b>						
4(e)	<b>Local Initiative (Activities to be specified supported by full details)</b>						
	(i)						
	(ii)						
	(iii)						
	(iv)						
	Sub Total Local Initiatives						
4(f)	<b>Other Initiatives</b>						
	(a) Demonstration by NGOs	Rs 9900/ ha	Ha				
	(b) Assistance for custom hiring centres (Activities to be specified supported by full details)	Rs. 1500/ha	ha				
	(c) Marketing support						
	(d) Specialized projects						
	(e) Value chain integration						
	<b>Sub-Total Other Initiatives</b>						
	<b>Total for Flexi components [4(a) to 4(f)]</b>						
	<b>Total NFSM- Pulses without PMT</b>						
	<b>Total NFSM- Pulses with PMT</b>						
	<b>GOI Share</b>						
	<b>State Share</b>						

\* Please specify the interventions proposed to be demonstrated



Annexure-III(d)

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.	<b>Demonstrations</b>						
1(a)	<b>Demonstration of Improved package</b>						
	(i) Maize	Rs.6000/ha	ha				
	(ii) Barley (for covered States)	Rs.6000/ha	ha				
	<b>Sub Total 1(a)</b>	<b>Rs.6000/ha</b>	<b>ha</b>				
1(b)	<b>Demonstrations on Intercropping (specify the intercrop)</b>						
	(i)	Rs.6000/ha	ha				
	(ii)	Rs.6000/ha	ha				
	<b>Sub Total 1(b)</b>	<b>Rs.6000/ha</b>	<b>ha</b>				
	<b>Total for Demonstrations [1(a) &amp; (b)]</b>						
2.	<b>Distribution of certified seed</b>						
2(a)	<b>HVY seeds (less than 10 years of age)</b>						
	(i) Maize	Rs.3000/qtl	Qtl				
	(ii) Barley (for covered States)	Rs.3000/qtl	Qtl				
	<b>Sub Total 2(a)</b>	<b>Rs.3000/qtl</b>	<b>Qtl</b>				
2(b)	<b>HVY seeds (more than 10 years of age)</b>						
	(i) Maize	Rs.1500/qtl	Qtl				
	(ii) Barley (for covered States)	Rs.1500/qtl	Qtl				
	<b>Sub Total 2(b)</b>	<b>Rs.1500/qtl</b>	<b>Qtl</b>				
2(c)	<b>Hybrid Seeds of Maize</b>	Rs. 10000/qtl	Qtl				
	<b>Sub-Total 2(a) to 2(c)</b>		<b>Qtl</b>				
	<b>Total NFSM-Coarse Cereals</b>						
	<b>GOI Share</b>						
	<b>State Share</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	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
1	2	3	4	5	6	Physical 7	Financial 8	Physical 9	Financial 10
1.	<b>*Cluster Demonstrations by State Department of Agriculture with the technical backstopping of ICAR/SAUs/ IRRI (One Cluster of 100 ha)</b>								
	<b>(e) Direct Seeded Rice/ Line Transplanting/SRI (Target 1.5% of area of District)</b>								
	(I) Cluser Demonstrations on Direct Seeded Rice	Rs.9000/ha	ha						
	(ii) Cluster Demonstrations on Line Transplanting	Rs.9000/ha	ha						
	(iii) Cluster Demonstrations on SRI	Rs.9000/ha	ha						
	<b>Sub Total (a)</b>		<b>ha</b>						
	<b>(f) Cluster Demonstrations on Hybrid Rice (One Cluster of 100 Ha)</b>	Rs.9000/ha	ha						
	<b>(g) Demonstrations on Stress Tolerant varieties of 100 ha each (30% of the total financial allocation of demonstration)</b>	Rs.9000/ha	ha						
	<b>(h) Cropping system based demonstration (30% of the total financial allocation of demonstration) (Cropping Sequence to be specified)</b>								
	(i)	Rs.15000/ha	ha						
	(ii)	Rs.15000/ha	ha						
	(iii)	Rs.15000/ha	ha						
	<b>Sub Total (d) Cropping System Based</b>		<b>ha</b>						
2.	<b>Demonstrations</b>								
	<b>Total Demonstrations [1(a) to 1 (d)]</b>		<b>ha</b>						
	<b>Seed Distribution:</b>								
	(a) Hybrid Rice Seed	Rs.10000/qtl or 50% of cost whichever is less	Qtls						
	(b) HYVs Seeds of Rice ( For varieties older than 10 years)- Limited to 20 percent of total seed distribution target	Rs.1000/qtl or 50% of cost whichever is less	Qtls						
	(c) HYVs Seeds of Rice (For varieties less than 10 years)	Rs.2000/qtl or 50% of cost whichever is less	Qtls						
	<b>Sub-Total 2 (a) and 2 (b)</b>								

Contd...



Annexure-IV(a) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
						Physical 7	Financial 8	Physical 9	Financial 10
1	2	3	4	5	6	7	8	9	10
3.	<b>Plant and Soil Protection Management:</b>								
	<b>(b) Soil Management</b>								
	(I) Micronutrients	Rs.500/ha or 50% of cost whichever is less	ha						
	(ii) Liming in Acidic Soils	Rs.1000/ha or 50% of cost whichever is less	ha						
	<b>Sub Total Soil Mngement (INM)</b>		<b>ha</b>						
	<b>(b) Plant Protection Management</b>								
	(i) Plant Protection Chemicals and bio-agents	Rs.500/ha or 50% of cost whichever is less	ha						
	(ii) Weedicides	Rs.500/ha or 50% of cost whichever is less	ha						
	<b>Sub Total Plant Management (IPM)</b>		<b>ha</b>						
	<b>Total Soil &amp; Plant Protection Management</b>		<b>ha</b>						
4.	<b>Flexi components (25% of the total allocation):</b>								
4(a)	<b>Farm implements and equipments</b>	As per SMAM norms							
	(I)		Nos.						
	(ii)		Nos.						
	(iii)		Nos.						
	(iv)		Nos.						
	(v)		Nos.						
	(vi)		Nos.						
	(vii)		Nos.						
	(viii)		Nos.						
	(ix)		Nos.						
	(x)		Nos.						
	(xi)		Nos.						
	(xii)		Nos.						
	(xiii)		Nos.						
	(xiv)		Nos.						
	(xv)		Nos.						
	(ix)		Nos.						
	<b>Sub-Total 4(a)</b>								
4(b)	<b>Water Application Tools:</b>								
	(i) Incentive for Pump Sets	Rs. 10000/unit or 50% of the cost whichever less	Nos.						

Contd...



## Annexure-IV(a) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
						Physical 7	Financial 8	Physical 9	Financial 10
1	2	3	4	5	6	7	8	9	10
	(ii) Water Carrying Pipes (Type of Pipe to be Specified)	50% of the cost limited to Rs. 50/- per meter for HDPE pipes. Rs. 35/- per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of Rs. 15,000/- per farmer/beneficiary for water carrying pipe	Mtr.						
	<b>Sub Total 4 (b)</b>								
4(c)	<b>Cropping System based trainings</b> (Four Sessions i.e. one before Kharif and rabi seasons, One each during Kharif and Rabi crops).	Rs.3500/ Session Rs.14000/ Training	Nos.						
4(d)	<b>Miscellaneous Expenses</b>								
	(i) Project Management Team & Other Miscellaneous Expenses at District level								
	(ii) Project Management Team & Other Miscellaneous Expenses at State level								
	<b>Sub-Total Misc Expenses</b>								
4(e)	<b>Local Initiatives (Activities to be specified supported by full details)</b>								
	(i)								
	(ii)								
	<b>Total Local Initiative</b>								
4(f)	<b>Other Initiatives</b>								
	(iv) Demonstration by NGOs	Rs. 9900/ha	Ha						
	(v) Assistance for custom hiring centres (Activities to be specified supported by full details)	Rs. 1500/ha	ha						
	(vi) Specialized projects								
	<b>Total for Other Initiatives</b>								
	<b>Total NFSM-Rice</b>								
	<b>GOI Share</b>								
	<b>State Share</b>								



## Annexure-IV(a-i)

### Progress of component-wise SC/ST & Women farmers being benefitted from NFSM-Rice

Month:

State:

Sl. No.	Component	SC		ST		Women	
		No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)
1	2						
1.	Demonstration of certified seed production						
2.	Seed distribution						
3.	INM & IPM						
4.	Farm Implements						
5.	Water saving devices						
6.	Pipe for Carrying water from source to field						
7.	Cropping system based training						
8.	Local initiative						
9.	Other components						
	<b>Total</b>						



**Annexure-IV(b-i)**

**Progress of component-wise SC/ST & Women farmers being benefitted  
from NFSM-Wheat**

**Month:**

**State:**

Sl. No.	Component	SC		ST		Women	
		No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)
1.	Demonstration						
2.	Seed distribution						
3.	INM & IPM						
4.	Farm Implements						
5.	Water saving devices						
6.	Pipe for Carrying water from source to field						
7.	Cropping system based training						
8.	Local initiative						
9.	Other components						
	<b>Total</b>						



Annexure-IV(c)

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

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				Phy	Fin	Phy	Fin		
1	2	3	4	5	6	7	8	9	10
1.	<b>*Demonstrations on Improved Technologies:</b>								
	<b>(a) Cluster Demonstrations (of 100 ha each)</b>								
	(i)	Rs.9000/ha	ha						
	(ii)	Rs.9000/ha	ha						
	(iii)	Rs.9000/ha	ha						
	(iv)	Rs.9000/ha	ha						
	(v)	Rs.9000/ha	ha						
	(vi)	Rs.9000/ha	ha						
	<b>Sub Total (a)</b>	<b>Rs.9000/ha</b>	<b>ha</b>						
	<b>(b) Cropping system based demonstrations - 30% of the outlay of total demonstrations - (Specify cropping sequence)</b>								
	(i)	Rs.15000/ha	ha						
	(ii)	Rs.15000/ha	ha						
	(iii)	Rs.15000/ha	ha						
	(iv)	Rs.15000/ha	ha						
	(v)	Rs.15000/ha	ha						
	<b>Sub Total (b)</b>	<b>Rs.15000/ha</b>	<b>ha</b>						
	<b>(c) Demonstration on Inter-cropping (specify Intercrop)</b>								
	(i)	Rs.9000/ha	ha						
	(ii)	Rs.9000/ha	ha						
	(iii)	Rs.9000/ha	ha						
	<b>Sub Total (c)</b>	<b>Rs.9000/ha</b>	<b>ha</b>						
	<b>Sub-Total 1(a) and 1 (c)</b>		<b>ha</b>						
2.	<b>Assistance for Distribution &amp; Production of Seeds</b>								
2(a)	<b>Distribution of Certified Seeds (for varieties less than 10 years of age)</b>								
	(i) Arhar	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	(ii) Moong	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	(iii) Urd	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	(iv) Gram	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	(v) Lentil	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	(vi) Any other (specify the name of crop)	Rs. 5000/ qtl unit or 50% of cost whichever is less	Qtl						
	<b>Sub Total for Distribution (for varieties less than 10 years of age)</b>	Rs. 5000/ qtl unit or 50% of cost whichever is less	<b>Qtl</b>						

Contd...



Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				5	6	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
2(b)	<b>Distribution of Seeds (for varieties more than 10 years of age)- Limited to 20 percent of total seed distribution target</b>								
	(i) Arhar	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	(ii) Moong	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	(iii) Urd	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	(iv) Gram	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	(v) Lentil	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	(vi) Any other (specify the name of crop)	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	<b>Sub Total for Distribution (for varieties more than 10 years of age)</b>	Rs.2500/qtl unit or 50% of cost whichever is less	Qtl						
	<b>Total for Seed Distribution [2(a) &amp; 2(b)]</b>		<b>Qtl</b>						
	<b>(c) Production of Seeds ( for varieties less than 10 years of age)</b>								
	(i) Arhar	Rs.5000/qtl	Qtl						
	(ii) Moong	Rs.5000/qtl	Qtl						
	(iii) Urd	Rs.5000/qtl	Qtl						
	(iv) Gram	Rs.5000/qtl	Qtl						
	(v) Lentil	Rs.5000/qtl	Qtl						
	(vi) Any other (specify the name of crop)	Rs.5000/qtl	Qtl						
	<b>Sub Total for Production</b>	<b>Rs.5000/qtl</b>	<b>Qtl</b>						
	<b>Total for Seed-Item 2</b>		<b>Qtl</b>						

Contd...



### Annexure-IV(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				5	6	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
3.	<b>Plant &amp; Soil Protection Management</b>								
3(a)	<b>Soil Management:</b>								
	(i) Micro-nutrients	Rs.500/ha or 50% of cost whichever is less	ha						
	(ii) Gypsum/80% WG Sulphur	Rs.750/ha or 50% of cost whichever is less	ha						
	(iii) Lime	Rs.1000/ha or 50% of cost whichever is less	ha						
	(iv) Bio-fertilizers	Rs.300/ha or 50% of cost whichever is less	ha						
3(b)	<b>Sub-Total INM 3 (a) to (b)</b>		<b>ha</b>						
	<b>Plant Protection Management (IPM):</b>								
	(i) Distribution of PP Chemicals	Rs.500/ha or 50% of cost whichever is less	ha						
	(ii) Weedicides	Rs.500/ha or 50% of cost whichever is less	ha						
	<b>Sub-Total 4 IPM 4(a) to (b)</b>		<b>ha</b>						
	<b>Total Soil &amp; Plant Protection Management</b>		<b>ha</b>						
4.	<b>Flexi components (25% of the outlay):</b>								
4(a)	<b>Farm implements and equipments</b>	As per SMAM norms							
	(i)		Nos.						
	(ii)		Nos.						
	(iii)		Nos.						
	(iv)		Nos.						
	(v)		Nos.						
	(vi)		Nos.						
	(vii)		Nos.						
	(viii)		Nos.						
	(ix)		Nos.						
	(x)		Nos.						
	<b>Sub-Total 5(a)</b>								
4(b)	<b>Water application tools</b>								
	(i) Sprinkler sets	The cost for sprinkler irrigation system for 1 ha would be from Rs.19542/- to Rs. 21901/- per ha depending on diameter of pipe used as per guidelines under PMKSY	Nos.						
	(ii) Pumpsets	Rs.10000/unit or 50% of cost whichever is less	Nos.						

Contd...



Annexure-IV(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				Phy	Fin	Phy	Fin		
1	2	3	4	5	6	7	8	9	10
	(iii) Pipe for Carrying water from source to field	50% of the cost limited to Rs. 50/- per meter for HDPE pipes. Rs. 35/- per meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum ceiling of rs. 15,000/- per farmer/ beneficiary.	Mtrs.						
	(iv) Mobile raingun	Rs.28681/- to Rs. 34513/- per ha depending on diameter of pipe used as per guidelines under PMKSY	ha						
	<b>Sub Total 4(b)</b>								
4(c)	<b>Cropping System based trainings</b> (Four Sessions i.e. One before Kharif and rabi seasons, one each during Kharif and Rabi Crops).	Rs.3500/ Session Rs.14000/ Training	Nos.						
4(d)	<b>Miscellaneous Expenses:</b>								
	(i) Project Management Team & Other Miscellaneous Expenses at District level								
	(ii) Project Management Team & Other Miscellaneous Expenses at State level								
	<b>Sub-Total 4 (d)</b>								
4(e)	<b>Local Initiative (Activites to be specifid supported by full details)</b>								
	(i)								
	(ii)								
	(iii)								
	<b>Sub Total Local Initiatives</b>								
4(f)	<b>Other Initiatives</b>								
	(a) Demonstration by NGOs	Rs 9900/ ha	ha						
	(b) Assistance for custom hiring centres (Activities to be specified supported by full details)	Rs. 1500/ha	ha						
	(c) Marketing support								
	(d) Specialized projects								
	(e) Value chain integration								
	<b>Sub-Total Other Initiatives</b>								
	<b>Total for Flexi components [4(a) to 4(f)]</b>								
	<b>Total NFSM- Pulses without PMT</b>								
	<b>Total NFSM- Pulses with PMT</b>								
	<b>GOI Share</b>								
	<b>State Share</b>								



**Annexure-IV(c-i)**

**Progress of component-wise SC/ST & Women farmers being benefitted  
from NFSM-Pulses**

**Month:**

**State:**

Sl. No.	Component	SC		ST		Women	
		No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)
1	2						
1.	Demonstration						
2.	Seed distribution						
3.	Seed production						
4.	INM & IPM						
5.	Farm Implements						
6.	Water saving devices						
7.	Pipe for Carrying water from source to field						
8.	Cropping system based training						
9.	Local initiative						
10.	Other components						
	<b>Total</b>						



Annexure-IV(d)

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

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
1.	<b>Demonstrations</b>								
1(a)	<b>* Demonstration of Improved package</b>								
	(I) Maize	Rs.6000/ha	ha						
	(ii) Barley (for covered States)	Rs.6000/ha	ha						
	<b>Sub Total 1(a)</b>	<b>Rs.6000/ha</b>	<b>ha</b>						
1(b)	<b>Demonstrations on Intercropping (specify the intercrop)</b>								
	(I)	Rs.6000/ha	ha						
	(ii)	Rs.6000/ha	ha						
	<b>Sub Total 1(b)</b>	<b>Rs.6000/ha</b>	<b>ha</b>						
	<b>Total for Demonstrations [1(a) &amp; (b)]</b>								
2.	<b>Distribution of certified seed</b>								
2(a)	<b>HYVs seeds (less than 10 years of age)</b>	Rs.3000/qtl	Qtl						
	(a) Maize	Rs.3000/qtl	Qtl						
	(b) Barley (for covered States)	Rs.3000/qtl	Qtl						
2(b)	<b>Sub Total 2(a)</b>								
	<b>HYVs seeds (more than 10 years of age)</b>	Rs.1500/qtl	Qtl						
	(a) Maize	Rs.1500/qtl	Qtl						
	(b) Barley (for covered States)	Rs.1500/qtl	Qtl						
2(c)	<b>Sub Total 2(b)</b>	Rs. 10000/qtl	Qtl						
	<b>Hybrid Seeds of Maize</b>		<b>Qtl</b>						
	<b>Sub-Total 2(a) to 2(c)</b>								
	<b>Total NFSM-Coarse Cereals</b>								
	<b>GOI Share</b>								
	<b>State Share</b>								



**Annexure-IV(d-i)**

**Progress of component-wise SC/ST & Women farmers being benefitted  
from NFSM-Coarse Cereals**

**Month:**

**State:**

Sl. No.	Component	SC		ST		Women	
		No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)
1	2						
1.	Demonstration						
2.	Seed distribution						
	<b>Total</b>						



## SUMMARY OF PATTERN OF ASSISTANCE

### Component-wise and Intervention-wise Approved Rate of Assistance under NFSM

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
<b>1.</b>	<b>Cluster Demonstrations by State Department of Agriculture with the Technical Backstopping of ICAR/ SAUs (one cluster of 100 ha)</b>						
<b>1.1</b>	<b>Rice:</b>						
	<b>Cluster Demonstrations on:</b> (a) Direct Seeded Rice (DSR) (b) Line Transplanting (c) System of Rice Intensification (SRI) (d) Hybrid Rice (e) Stress Tolerant Rice varieties	Rs. 9,000/- per ha	✓	-	-	-	-
<b>1.2</b>	<b>Wheat:</b>						
	Cluster Demonstrations of 100 ha each	Rs. 9,000/- per ha	-	✓	-	-	-
<b>1.3</b>	<b>Pulses:</b>						
	(a) Cluster Demonstrations of 100 ha each of various pulses crops	Rs. 9,000/- per ha	-	-	✓	-	-
	(b) Demonstrations on Intercropping	Rs. 9,000/- per ha	-	-	✓	-	-
<b>1.4</b>	<b>Coarse Cereals (Maize and Barley):</b>						
	(a) Demonstrations on Improved Package on various Coarse Cereals (Maize and Barley)	Rs. 6,000/- per ha	-	-	-	✓	-
	(b) Demonstrations on Intercropping	Rs. 6,000/- per ha	-	-	-	✓	-
<b>1.5</b>	<b>Nutri- Cereals:</b>						
	(i) Jowar (ii) Bajra (iii) Ragi (iv) Kodo Millet (v) Barnyard Millet (vi) Proso Millet (vii) Foxtail Millet (viii) Little Millet	Rs. 6,000/- per ha	-	-	-	-	✓
<b>1.6</b>	Cropping System Demonstrations on Rice/Wheat/Pulses	Rs. 15,000/- per ha	✓	✓	✓	-	-
<b>2.</b>	<b>Seed Distribution</b>						
<b>2.1</b>	Hybrid Seeds of Rice, Maize, Jowar and Bajra	50 % of cost or Rs. 10,000/-Qtl. Whichever is less	✓	-	-	✓	✓
<b>2.2</b>	HYVs seeds of <b>Rice and Wheat</b> (for varieties less than 10 years of age)	50 % of cost or Rs. 2,000/-Qtl. Whichever is less	✓	✓	-	-	-
<b>2.3</b>	HYVs seeds of <b>Rice and Wheat</b> (for varieties older than 10 years of age)*	50 % of cost or Rs. 1,000/-Qtl. Whichever is less	✓	✓	-	-	-
<b>2.4</b>	Distribution of HYVs Seeds of <b>Pulses</b> (for varieties less than 10 years of age)	50 % of cost or Rs. 5,000/-Qtl. Whichever is less	-	-	✓	-	-



## Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
2.5	Distribution of HYVs Seeds of <b>Pulses</b> (for varieties older than 10 years of age)*	50% of cost or Rs. 2,500/-Qtl. Whichever is less	-	-	✓	-	-
2.6	Distribution of HYVs Seeds of <b>Coarse Cereals (Maize and Barley)</b> (for varieties less than 10 years of age)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	✓	-
2.7	Distribution of HYVs Seeds of <b>Coarse Cereals (Maize and Barley)</b> (for varieties older than 10 years of age)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	✓	-
2.8	<b>Nutri-Cereals</b>						
	(i) Jowar (for varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(ii) Jowar (for varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(iii) Bajra (for varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(iv) Bajra (for varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(v) Ragi (for varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(vi) Ragi (for varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(vii) <b>Small Millets</b>						
	(a) Kodo Millet (Varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(b) Kodo Millet (Varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(c) Barnyard Millet (Varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(d) Barnyard Millet (Varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(e) Proso Millet (Varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(f) Proso Millet (Varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
	(g) Foxtail Millet (Varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(h) Foxtail Millet (Varieties > 10 years)*	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓



## Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	(I) Little Millet (Varieties < 10 years)	50% of cost or Rs. 3,000/-Qtl. Whichever is less	-	-	-	-	✓
	(j) Little Millet (Varieties > 10 years)	50% of cost or Rs. 1,500/-Qtl. Whichever is less	-	-	-	-	✓
<b>3</b>	<b>Seed Production</b>						
<b>3.1</b>	<b>Pulses-HYVs</b>	Rs. 5,000/-Qtl.	-	-	✓	-	
<b>3.2</b>	<b>Nutri-Cereals-HYVs</b>						
	(a) Jowar	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(b) Bajra	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(c) Ragi	Rs. 3,000/-Qtl.	-	-	-	-	✓
	<b>Small Millets</b>						
	(a) Kodo Millet	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(b) Barnyard Millet	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(c) Proso Millet	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(d) Foxtail Millet	Rs. 3,000/-Qtl.	-	-	-	-	✓
	(e) Little Millet	Rs. 3,000/-Qtl.	-	-	-	-	✓
<b>3.3</b>	<b>Nutri-Cereals-Hybrids</b>	Rs. 10,000/-Qtl.	-	-	-	-	✓
<b>4</b>	<b>Plant and Soil Protection Management:</b>						
<b>4.1</b>	<b>Soil Management</b>						
	(a) Micronutrients	50% of cost or Rs. 500/-per ha. Whichever is less	✓	✓	✓	-	✓
	(b) Liming in Acidic soil	50% of cost or Rs. 1,000/-per ha. Whichever is less	✓	-	✓	-	-
	(c) Gypsum	50% of cost or Rs. 750/-per ha. Whichever is less	-	✓	✓	-	-
	(d) Bio-fertilisers	50% of cost or Rs. 300/-per ha. Whichever is less	-	-	✓	-	✓
<b>4.2</b>	<b>Plant Protection Management</b>						
	(a) Plant Protection Chemicals & bio-agents	50% of cost or Rs. 500/-per ha. Whichever is less	✓	✓	✓	-	✓
	(b) Weedicides	50% of cost or Rs. 500/-per ha. Whichever is less	✓	✓	✓	-	✓
<b>5</b>	<b>Resource Conservation Techniques/ Tools:</b>						
	<b>Conoweeder</b> for SC/ST, Small & Marginal, Women farmers and NE States	50% or Rs. 1200/-	✓	-	-	-	-
	<b>Conoweeder</b> for Other farmers	40% or Rs. 1000/-	✓	-	-	-	-
	<b>Manual Sprayer/Knap Sack Sprayer/ Foot Operated Sprayer</b> for SC/ST, Small & Marginal, Women farmers and NE States	50% or Rs. 750/-	✓	✓	✓	-	✓

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### Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Manual Sprayer/Knap Sack Sprayer/ Foot Operated Sprayer</b> for other farmers	40% or Rs. 600/-	✓	✓	✓	-	✓
	<b>Drum Seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>below 4 rows</b>	50% or Rs. 3000/-	✓	-	-	-	-
	<b>Drum Seeder</b> for other farmers- <b>below 4 rows</b>	40% or Rs. 2500/-	✓	-	-	-	-
	<b>Drum Seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>above 4 rows</b>	50% or Rs. 4000/-	✓	-	-	-	-
	<b>Drum Seeder</b> for other farmers- <b>above 4 rows</b>	40% or Rs. 3000/-	✓	-	-	-	-
	<b>Power operated Sprayers</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>8-12 litres</b> )	50% or Rs. 3100/-	✓	✓	✓	-	-
	<b>Power operated Sprayers</b> for other farmers ( <b>8-12 litres</b> )	40% or Rs.2500/-	✓	✓	✓	-	-
	<b>Power operated Sprayers</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>above 12-16 litres</b> )	50% or Rs. 3800/-	✓	✓	✓	-	-
	<b>Power operated Sprayers</b> for other farmers ( <b>above 12-16 litres</b> )	40% or Rs.3000/-	✓	✓	✓	-	-
	<b>Power operated Sprayers</b> for SC/ST, Small & Marginal, Women farmers and NE States (above 16 litres)	50% or Rs. 10000/-	✓	✓	✓	-	-
	<b>Power operated Sprayers</b> for other farmers (above 16 litres)	40% or Rs.8000/-	✓	✓	✓	-	-
	<b>Chisel Plough</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>below 20BHP tractor driven</b> )	50% or Rs. 10,000/-	-	✓	✓	-	-
	<b>Chisel Plough</b> for other farmers ( <b>below 20 BHP tractor driven</b> )	40% or Rs. 8,000/-	-	✓	✓	-	-
	<b>Chisel Plough</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>above 20-35 BHP tractor driven</b> )	50% or Rs. 20,000/-	-	✓	✓	-	-
	<b>Chisel Plough</b> for other farmers ( <b>above 20-35BHP tractor driven</b> )	40% or Rs. 16,000/-	-	✓	✓	-	-
	<b>Tractor operated Sprayers (Boom type)</b> for SC/ST, Small & Marginal, Women farmers and NE States	50% or Rs. 37,000/-	-	✓	✓	-	-
	<b>Tractor operated Sprayers (Boom type)</b> for other farmers	40% or Rs.28000/-	-	✓	✓	-	-

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Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Seed Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor Driven above 20-35 BHP</b> )-7 tines	50% or Rs. 15,000/-	✓	✓	✓	-	-
	<b>Seed Drill</b> for other farmers ( <b>Tractor Driven above 20-35 BHP</b> )-7 tines	40% or Rs. 12,000/-	✓	✓	✓	-	-
	<b>Seed Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor Driven above 35 BHP</b> )- 9 tines and above	50% or Rs. 20,000/-	✓	✓	✓	-	-
	<b>Seed Drill</b> for other farmers ( <b>Tractor Driven above 35 BHP</b> )- 9 tines and above	40% or Rs. 16,000/-	✓	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor driven above 35 BHP</b> )- 9 tines	50% or Rs. 21300/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for other farmers ( <b>Tractor driven above 35 BHP</b> )- 9 tines	40% or Rs. 17,000/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor driven above 35 BHP</b> )- 11 tines	50% or Rs. 24100/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for other farmers ( <b>Tractor driven above 35 BHP</b> )- 11 tines	40% or Rs. 19,300/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor driven above 35 BHP</b> )- 13 tines	50% or Rs. 26900/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for other farmers ( <b>Tractor driven above 35 BHP</b> )- 13 tines	40% or Rs. 21500/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor driven above 35 BHP</b> )- 15 tines	50% or Rs. 28000/-	-	✓	✓	-	-
	<b>Zero Till Seed cum Fertiliser Drill</b> for other farmers ( <b>Tractor driven above 35 BHP</b> )- 15 tines	40% or Rs. 22400/-	-	✓	✓	-	-
	<b>Direct Rice seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States	50 % or Rs. 20,000/-	✓	-	-	-	-
	<b>Direct Rice seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States	40 % or Rs. 16,000/-	✓	-	-	-	-
	<b>Zero Till Multi Crop Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States ( <b>Tractor driven above 20-35 BHP</b> )- 7 tines	50% or Rs. 15,000/-	✓	✓	✓	-	-
	<b>Zero Till Multi Crop Planter</b> for other farmers ( <b>Tractor driven above 20-35 BHP</b> )-7 tines	40% or Rs. 12,000/	✓	✓	✓	-	-

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**Annexure-V contd...**

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Zero Till Multi Crop Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>(Tractor driven above 35 BHP)- 9 tines and above</b>	50% or Rs. 75,000/-	✓	✓	✓		-
	<b>Zero Till Multi Crop Planter</b> for other farmers <b>(Tractor driven above 35 BHP)- 9 tines and above</b>	40% or Rs. 60,000/-	✓	✓	✓	-	-
	<b>Ridge Furrow Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>(Tractor Driven below 20 BHP)</b>	50% or Rs. 30,000/-	-	-	✓	-	-
	<b>Ridge Furrow Planter</b> for other Farmers <b>(Tractor Driven below 20 BHP)</b>	40% or Rs. 24,000/-	-	-	✓	-	-
	<b>Ridge Furrow Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>(Tractor Driven above 20-35 BHP)</b>	50% or Rs. 40,000/-	-	-	✓	-	-
	<b>Ridge Furrow Planter</b> for other Farmers <b>(Tractor Driven above 20-35 BHP)</b>	40% or Rs. 32,000/-	-	-	✓	-	-
	<b>Ridge Furrow Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>(Tractor Driven above 35 BHP)</b>	50% or Rs. 75,000/-	-	-	✓	-	-
	<b>Ridge Furrow Planter</b> for other Farmers <b>(Tractor Driven above 35 BHP)</b>	40% or Rs. 60,000/-	-	-	✓	-	-
	<b>Power Weeder</b> for SC/ ST, Small & Marginal, Women farmers and NE States <b>-Engine operated below 2BHP</b>	50% or Rs. 25,000/-	✓	✓	-	-	-
	<b>Power Weeder</b> for other Farmers - Engine operated below 2 BHP	40% or Rs. 20,000/-	✓	✓	-	-	-
	<b>Power Weeder</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>-Engine operated above 2BHP</b>	50% or Rs. 35,000/-	✓	✓	-	-	-
	<b>Power Weeder</b> for other Farmers - Engine operated above 2 BHP	40% or Rs. 30,000/-	✓	✓	-	-	-
	<b>Rotavator</b> for SC/ST, Small & Marginal, Women farmers and NE States <b>- Tractor driven above 35 BHP -5 feet</b>	50% or Rs. 42,000/-	✓	✓	✓	-	-
	<b>Rotovator</b> for other farmers - <b>Tractors driven above 35 BHP - 5 feet</b>	40% or Rs. 34,000/-	✓	✓	✓	-	-

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## Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Rotavator</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>Tractor driven above 35 BHP -6 feet</b>	50% or Rs. 44,800/-	✓	✓	✓	-	-
	<b>Rotavator</b> for other farmers- <b>Tractor driven above 35 BHP -6 feet</b>	40% or Rs. 35,800/-	✓	✓	✓	-	-
	<b>Rotavator</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>Tractor driven above 35 BHP -7 feet</b>	50% or Rs. 47600/-	✓	✓	✓	-	-
	<b>Rotavator</b> for other farmers- <b>Tractor driven above 35 BHP -7 feet</b>	40% or Rs. 38100/-	✓	✓	✓	-	-
	<b>Rotavator</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>Tractor driven above 35 BHP -8 feet</b>	50% or Rs. 50400/-	✓	✓	✓	-	-
	<b>Rotavator for other farmers-</b> Tractor driven above 35 BHP - <b>8 feet</b>	40% or Rs. 40300/-	✓	✓	✓	-	-
	<b>Paddy Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States (Tractor driven below 20 BHP)	50% or Rs. 30,000/-	✓	-	-	-	-
	<b>Paddy Thresher</b> for other farmers (Tractor driven below 20 BHP)	40% or Rs. 25,000/-	✓	-	-	-	-
	<b>Paddy Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States (Tractor driven above 20-35 BHP)	50% or Rs. 40,000/-	✓	-	-	-	-
	<b>Paddy Thresher</b> for other farmers (Tractor driven above 20-35 BHP)	40% or Rs. 30,000/-	✓	-	-	-	-
	<b>Paddy Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States (Tractor driven above 35 BHP)	50% or Rs. 100,000/-	✓	-	-	-	-
	<b>Paddy Thresher</b> for other farmers (Tractor driven above 35 BHP)	40% or Rs. 80,000/-	✓	-	-	-	-
	<b>Multi Crop Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States- Tractor driven <b>below 20 BHP</b>	50% or Rs. 30,000/-	✓	✓	✓	-	-
	<b>Multi Crop Thresher</b> for other farmers- Tractor driven <b>below 20 BHP</b>	40% or Rs. 25,000/-	✓	✓	✓	-	-
	<b>Multi Crop Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States- Tractor driven <b>above 20-35 BHP</b>	50% or Rs. 40,000/-	✓	✓	✓	-	-
	<b>Multi Crop Thresher</b> for other farmers- Tractor driven <b>above 20-35 BHP</b>	40% or Rs. 30,000/-	✓	✓	✓	-	-

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## Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Multi Crop Thresher</b> for SC/ST, Small & Marginal, Women farmers and NE States- Tractor driven <b>above 35 BHP upto 4 tonne / hr capacity</b>	50% or Rs. 100,000/-	✓	✓	✓	-	-
	<b>Multi Crop Thresher</b> for other farmers- Tractor driven <b>above 35 BHP upto 4 tonne / hr capacity</b>	40% or Rs. 80,000/-	✓	✓	✓	-	-
	<b>Laser Land Leveler</b> for SC/ST, Small & Marginal, Women farmers and NE States - Tractor driven <b>above 20 -35 BHP</b>	50% or Rs. 200,000/-	✓	✓	✓	-	-
	<b>Laser Land Leveller</b> for other farmers- Tractor driven <b>above 20-35 BHP</b>	40% or Rs. 1,60,000/-	✓	✓	✓	-	-
	<b>Laser Land Leveler</b> for SC/ST, Small & Marginal, Women farmers and NE States - <b>above 35 BHP</b>	50% or Rs. 200,000/-	✓	✓	✓	-	-
	<b>Laser Land Leveller</b> for other farmers- <b>above 35 BHP</b>	40% or Rs. 160,000/-	✓	✓	✓	-	-
	<b>Self Propelled Rice Transplanter</b> for SC/ ST, Small & Marginal, Women farmers and NE States - <b>4 rows</b>	50% or Rs. 1,50,000/-	✓	-	-	-	-
	<b>Self Propelled Rice Transplanter</b> for other farmers - <b>4 rows</b>	40% or Rs. 1,20,000/-	✓	-	-	-	-
	<b>Self Propelled Rice Transplanter</b> for SC/ ST, Small & Marginal, Women farmers and NE States - <b>above 4-8 rows</b>	50% or Rs. 5,00,000/-	✓	-	-	-	-
	<b>Self Propelled Paddy Transplanter</b> for other farmers - <b>above 4-8 rows</b>	40% or Rs. 4,00,000/-	✓	-	-	-	-
	<b>Self Propelled Rice Transplanter</b> for SC/ST, Small & Marginal, Women farmers and NE States - <b>above 8-16 rows</b>	50% or Rs. 800,000/-	✓	-	-	-	-
	<b>Self Propelled Paddy Transplanter</b> for other farmers - <b>above 8-16 rows</b>	40% or Rs. 6,50,000/-	✓	-	-	-	-
	<b>Power Tiller</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>below 8 BHP</b>	50% or Rs.65,000/-	✓	✓	✓	-	-
	<b>Power Tiller</b> for other farmer- <b>below 8 BHP</b>	40% or Rs. 50,000/-	✓	✓	✓	-	-

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**Annexure-V contd...**

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Power Tiller</b> for SC/ST, Small & Marginal, Women farmers and NE States- <b>8 BHP &amp; above</b>	50% or Rs. 85,000/-	✓	✓	✓	-	-
	<b>PowerTiller</b> for other farmer- <b>8BHP &amp; above</b>	40% or Rs. 70,000/-	✓	✓	✓	-	-
	<b>Paddy Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States	50% or Rs.10,000/-	✓	-	-	-	-
	<b>Paddy Planter</b> for other farmers	40% or Rs. 8,000/-	✓	-	-	-	-
	<b>Crop Reaper</b> for SC/ST, Small & Marginal, Women farmers and NE States-	50% or Rs.75,000/-	✓	✓	-	-	-
	<b>Crop Reaper</b> for other farmers -	40% or Rs.60,000/-	✓	✓	-	-	-
	<b>Happy / Turbo seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States— 20-35 BHP tractor driven -9 tines	50% or Rs.72,800/-	-	✓	-	-	-
	<b>Happy / Turbo seeder</b> for other farmers - 20-35 BHP tractor driven -9 tines	40% or Rs.58,200/-	-	✓	-	-	-
	<b>Happy / Turbo seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States— above 35 BHP tractor driven -10 tines	50% or Rs.75,600/-	-	✓	-	-	-
	<b>Happy / Turbo seeder</b> for other farmers - above 35 BHP tractor driven -10 tines	40% or Rs.60500/-	-	✓	-	-	-
	<b>Happy / Turbo seeder</b> for SC/ST, Small & Marginal, Women farmers and NE States— above 35 BHP tractor driven -11 tines	50% or Rs.78,400/-	-	✓	-	-	-
	<b>Happy / Turbo seeder</b> for other farmers - above 35 BHP tractor driven -11 tines	40% or Rs.62700/-	-	✓	-	-	-
	<b>Reaper cum Binder</b> for SC/ST, Small & Marginal, Women farmers and NE States (3 wheel)	50% of cost or Rs 1,75,000/-	✓	✓	-	-	-
	<b>Reaper cum Binder</b> for other farmers(3 wheel)	40% of cost or Rs.1,40,000/-	✓	✓	-	-	-
	<b>Reaper cum Binder</b> for SC/ST, Small & Marginal, Women farmers and NE States (4 wheel)	50% of cost or Rs.2,50,000/-	✓	✓	-	-	-
	<b>Reaper cum Binder</b> for other farmers(4 wheel)	40% of cost or Rs.2,00,000/-	✓	✓	-	-	-

**Contd...**



## Annexure-V contd...

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
	<b>Raised Bed Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States-below 20 BHP	50% of cost or Rs 30,000/-	-	✓	-	-	-
	<b>Raised Bed Planter</b> for other farmers – below 20 BHP	40% of cost or Rs.24,000/-	-	✓	-	-	-
	<b>Raised Bed Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States- above 20-35 BHP	50% of cost or Rs.40,000/-	-	✓	-	-	-
	<b>Raised Bed Planter</b> for other farmers- above 20-35 BHP	40% of cost or Rs.32,000/-	-	✓	-	-	-
	<b>Raised Bed Planter</b> for SC/ST, Small & Marginal, Women farmers and NE States- above above 35 BHP	50% of cost or Rs 35,000/-	-	✓	-	-	-
	<b>Raised Bed Planter</b> for other farmers- above 35 BHP	40% of cost or Rs.30,000/-	-	✓	-	-	-
<b>6</b>	<b>Water Application Tools</b>						
	<b>Sprinkler</b>	The cost for sprinkler irrigation system for 1 ha would be from Rs.19542/- to Rs. 21901/- per ha depending on diameter of pipe used as per guidelines under PMKSY	-	✓	✓	-	✓
	<b>Pumpsets</b>	50% of cost or Rs. 10,000/-per Number	✓	✓	✓	-	-
	<b>Mobile Raingun</b>	Rs. 28681/- to Rs.34513/- per ha in case of rain-gun depending on diameter of pipe used as per guidelines under PMKSY	-	-	✓	-	-
	<b>Water Carrying Pipe</b>	50% of the cost limited to Rs. 50/-per meter for HDPE, Rs. 35/- per meter for PVC pipe and Rs. 20/- per meter for HDPE laminated woven lay flat tube with maximum ceiling of RS. 15,000/-perbeneficiary.	✓	✓	✓	-	-

Contd...



Annexure-VI contd...

**D. MAIZE:**

Sl. No.	Interventions	Proposed Rate of Assistance for 2018-19 to 2019-20	Crop in which admissible				
			Rice	Wheat	Pulses	Coarse Cereals (Maize and Barley)	Nutri-Cereals
1	2	3	4	5	6	7	8
7	<b>Cropping systems based training</b> (Four Sessions i.e. one before Kharif and Rabi seasons, one each during Kharif and Rabi crops for a group of 30 farmers)	Rs. 3500/per session, Rs. 14000/per training for four sessions	✓	✓	✓	-	✓
8	<b>Events/Workshop/Publicity (60:40)</b>						
	(i) State Level workshop	Lumpsum	-	-	-	-	✓
	(ii) District level festivals	Lumpsum	-	-	-	-	✓
	(iii) Road show	Lumpsum	-	-	-	-	✓
	(iv) Creation of awareness	Lumpsum	-	-	-	-	✓
	(v) Publicity	Lumpsum	-	-	-	-	✓
9	<b>Local Initiatives</b>	25% fund is proposed for Flexi interventions including local initiatives.	✓	✓	✓	-	-
10	<b>Formation of FPOs in Cluster Area (100% GoI)</b>	As per SFAC norms	-	-	✓	-	✓
10.1	Creation of Processing units for FPOs (100% GoI)	Lumpsum	-	-	✓	-	✓
11	Strengthen /Creation of Centres of Excellence (CoEs) (100% GoI)	Lumpsum	-	-	-	-	✓
12	Creation of Seed Hubs (100% GoI)	Lumpsum	-	-	✓	-	✓
13	Creation of centre for Breeder Seed Production (100 % GOI)	Lumpsum	-	-	✓	-	✓
14	<b>Distribution of Seed Mini-kits (HYVs)- (100% GoI)</b>						
	(i) Jowar		-	-	-	-	✓
	(ii) Bajra		-	-	-	-	✓
	(iii) Ragi		-	-	-	-	✓
	(iv) Small Millets		-	-	-	-	✓
	(v) Pulses		-	-	✓	-	-
15	<b>Project Management Team (PMT)</b>		✓	✓	✓	-	-

\* The allocation for seed distribution for varieties older than 10 years of age in case of Rice, Wheat, Pulses, Coarse Cereals & Nutri-Cereals should not be more than 20% of the total allocation for seed distribution.



## Annexure II

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

S.No	Component	Cost (Rs. In Lakhs)	Remarks
1.	Mobilization of farmers into registered producer organizations of around 1000 members each, with inputs of training and capacity building and training (as per model FPO Process Guidelines of DAC)	40.75	Standard costing norms and methodology prescribed by DAC in the model FPO Process Guidelines will be followed by State/Central agencies taking up activities under this component.
2.	Establishment of minimal 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 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 (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 for higher realization.
4.	Marketing support to un-registered farmer groups, SHGs, SHG federation etc. for local marketing of pulses (@ 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.

Contd...



**Annexure-VII contd..**

<b>S.No</b>	<b>Component</b>	<b>Cost (Rs. In Lakhs)</b>	<b>Remarks</b>
<b>5.</b>	Support to registered FPOs to set up and equip procurement centres to grade and process pulses @ Rs.5.00 lakh per FPO for onetime 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.

**Part-I(B)**

**National Food Security Mission  
(NFSM)**

**Nutri-Cereals**





# Re-vamped National Food Security Mission (NFSM) Operational Guidelines (Nutri-Cereals)

## 1. Introduction

**1.1** Millets have high protein, fibre and mineral contents as compared to fine cereals like wheat and rice. Particularly, millet crops are more superior in terms of nutritive value, health benefits. Further, these crops have low water requirements being C4 plant, wider adaptability to varied ecology/climate; are environment friendly with low consumption of pesticides, best suited for contingency planning with large stake of small, marginal & tribal farmers. Moreover, use of millets reduces the malnutrition and tackles anemia and micronutrient deficiency commonly found in women and children.

**1.2** Millets were earlier promoted during 2011-12 to 2013-14 under the programme of Initiative for Nutritional Security through Intensive Millets Promotion (INSIMP) – as a subscheme of RKVY and later on merged as component of National Food Security Mission (NFSM) as NFSM-Coarse Cereals from 2014-15. Till 2017-18, NFSM-Coarse Cereals was implemented in 265 districts of 28 states.

As a follow up of the decision taken by Hon'ble Prime Minister during the meeting held on 18th July, 2017, the Committee under the Chairmanship of Prof. Ramesh Chand, Member, NITI Aayog in respect of **"Introduction of Millets under PDS to provide Nutritional Support"**, constituted and a meeting of the committee was held on 13.10.2017 in NITI Aayog. After deliberations, the following decisions were taken for initiating appropriate action by DAC & FW.

a) Millets viz. Jowar, Bajra and Ragi need to be promoted through

PDS across the country to improve nutritional content in diet of masses. Instead of calling them coarse grains, millets should be positioned as Nutri-Cereals and their benefits need to be popularized amongst masses through sustained and effective campaign

b) Research need to be done to develop high yielding varieties and also varieties with longer shelf life. It may also be examined whether nutri-cereals can be promoted as a sub-mission under the National Food Security Mission.

On the basis of recommendations of NITI Aayog, it has been decided to create a Sub Mission on Nutri Cereals covering Jowar, Bajra, Ragi and Small millets as a component of existing NFSM- Coarse Cereals. Promotion of millets as sub mission of NFSM will provide support to the farmers, consumers in those areas where these crops are traditionally grown and consumed by rural population. However, the millets are not even being consumed in their growing areas due to longer cooking time, difficulty in preparation, lack of value addition, marketing support and change in food habits.

After operationalisation of this Sub Mission on Nutri-Cereals, the existing NFSM-Coarse Cereals will be known as NFSM-Coarse Cereals covering Maize & Barley only.

**2. Objectives:** As proposed in NFSM general guidelines.



### 3. Interventions / Strategies Proposed

To achieve the above objectives, the mission will adopt various strategy measures mentioned below:

- ✓ Focus on low productivity and high potential districts including cultivation of Nutri-Cereals in rainfed areas, fallow lands and wastelands.
- ✓ Implementation of cropping system centric interventions in a Mission Mode approach through active engagement of all the stakeholders at various levels.
- ✓ Agro-climatic zone wise planning and cluster approach for crop productivity enhancement.
- ✓ Promotion and extension of improved technologies i.e., seed, Integrated Nutrient Management (INM) including micronutrients, soil ameliorants, Integrated Pest Management (IPM), input use efficiency and resource conservation technologies along with capacity building of the farmers/extension functionaries.
- ✓ Processing clusters and value addition at farm level to enhance local consumption by addressing processing issues will boost the millet cultivation nationwide.
- ✓ Creating awareness about the nutritional and health benefits over other traditional food grains and popularization of millet products among the consumers could be a

- major step for demand creation.
- ✓ Creation of marketing infrastructure with innovative supply chain models, online marketing platforms and others will significantly increase the millets farmers' share in consumer rupee.
- ✓ Close monitoring of flow of funds to ensure timely reach of interventions to the target beneficiaries.
- ✓ Integration of various proposed interventions and targets with the district plan of each identified district.
- ✓ Constant monitoring and concurrent evaluation by the implementing agencies for assessing the impact of the interventions for a result oriented approach.

### 4. Criteria for selection of Districts

All States growing Jowar, Bajra, Ragi and Small Millets will be covered under the programme of NFSM Nutri-Cereals (Jowar, Bajra, Ragi and Small Millets). However, for identification of Districts, only those districts shall be identified that have more than 10,000 ha area under Jowar, Bajra and 5,000 ha area for Finger Millet and 2,000 ha area for Small Millets, (Foxtail, Barnyard, Kodo, Little/Kutki and Proso Millets). NFSM Nutri-Cereals will be implemented in 202 districts of 14 States including hilly state of Uttarakhand. In addition, flexibility has also been given to 8 North Eastern States and 2 Hilly States of Himachal Pradesh and Jammu & Kashmir to implement the programme, where Nutri-Cereals are grown by the farmers in the Districts identified by the states. The list of identified districts of



Nutri-Cereals is given in **Annexure-VIII(a)**. State Mission Director will prepare the Annual Action Plan on the basis of District Action Plan. The State Mission Director will get the State Action Plan vetted by the State Food Security Mission Executive Committee (SFSM-EC) and furnish the same in the prescribed format (**Annexure-VIII b**) to Ministry of Agriculture and Farmers Welfare for consideration by NFSM-EC. Along with Action Plan, state would also submit a brief report on implementation of Nutri-Cereals in the preceding years, interventions undertaken, salient outcome, lessons learnt, success story, etc. (**Annexure-VIII c**). The North Eastern States, Jammu & Kashmir and Himachal Pradesh have been given flexibility to implement Nutri-Cereals programme.

## 5. Demonstrations:

The Nutri-cereals production can be increased through increase in the crop area or by increasing the productivity of agricultural crops per unit area. Expansion of area under nutri-cereal crops is limited due to limited availability of lands and increased demand for lands for non-agricultural purposes. Therefore, increase in the productivity of millets remains the most viable option for enhancing the production of Nutri-Cereals in the country.

In most of the states, farmers realize lesser yield for the Nutri-Cereal crops as compared to the yield demonstrated by the research institutions. Hence, there is potential for increasing the productivity by using/promoting the newly released varieties and improved package of practices. Inability of the farmers in ensuring the improved package of practices as demonstrated by the research stations often lead to yield gap.

Significant income generation of millets farmers can be done by productivity enhancement of millets through reducing yield gaps in fallows, dry lands and wastelands under millets cultivation.

### 5.1 Size of cluster demonstrations

The size of demonstrations for Sorghum (Jowar), Pearl Millet (Bajra), Ragi and Small Millets will be of 20 ha for general States and 10 ha for NE States and Himalayan Hilly States.

- A cafeteria of crop specific interventions have been provided above to enable the states to pick up the critical inputs relevant to that particular agro-climatic zone for dissemination through large scale demonstrations.
- It is assumed that these demonstrations on large scale will have a positive impact to change the mindset of the farmers in adopting those production technologies.
- Out of the total allocation for demonstrations, additional 5% of the amount is proposed for CFLDs for adaptation of new technologies to be implemented by the ICAR/SAUs/KVKs/ Local Institutes.
- All farmers in a cluster would be included in a demonstration. For each farmer, at least 0.4 ha area and not more than 2 ha will be included in demonstration.
- **Selection of beneficiary Farmers:** Gram Panchayats would 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 their role and responsibilities including expectations from the participating farmers.

- **Selection of Site:** Demonstration site should be easily accessible to the farmers and the extension workers. It should not be an isolated field. The selected site should be the representative of soil type and soil fertility status of the area.
- **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 on the basis of Soil Health Cards issued by State Agriculture Departments.
- **Identification of Technologies to be demonstrated:** The improved practices for the demonstration plots should be identified in consultation with SAUs 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 acidic soils. The varieties to be included in the package should preferably be newer varieties.
- **Distribution of demonstration kits and training of participating farmers:** An orientation training programme

would be organized to brief the beneficiary farmers about the procedure to be followed for conducting demonstrations. Farmers would be informed about the critical operations for the demonstrations. The demonstration kits may be distributed to the farmers during the training programme. The demonstrations would be conducted by extension functionaries of the State Department of Agriculture under the supervision of District Consultant.

- **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.
- **Display Board:** The display board would contain information on the critical inputs used and the interventions being demonstrated. A display board containing the following information should be installed at the demonstration plot.
  - Number of farmers
  - Name of Village
  - Name of Variety/hybrid
  - Type of demonstration
  - Fertilizers applied
  - Bio-fertilizers applied
  - Micronutrient applied
  - Date of Sowing/Transplanting
  - Seed Rate and Spacing
  - Any other critical input used
  - Mobile number of District Consultant/Technical Assistant



State should include more than one improved variety/ hybrid in one cluster demonstration. State should also conduct more than one cluster in same village.

- **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.
- **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.
- **Cost Norms of Demonstration:** The cost of demonstration for one ha area will be Rs. 6000/-. The cost of demonstration includes organization of field day, distribution of publicity material and visit of scientists/GOI and state officials. 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 IIMR/AICSIP/SAU/Zonal Research Station for the agro-climatic zone concerned after approval of SFMS- EC. 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.

## 5.2. Cluster Front Line Demonstrations (CFLDs):

CFLDs is a form of adaptive research on the latest notified/released varieties during last 10 years/technologies which is demonstrated by ICAR/SAUs system on the selected farmer's field.

CFLDs are a unique approach to provide a direct interface between researcher and farmers as the scientists are directly involved in planning, execution and monitoring of the demonstrations for the technologies developed by them and get direct feedback from the farmers.

### Cost Norms

The cost of FLDs/CFLDs for one ha area will be Rs. 6000/- which includes organization of field day, distribution of publicity material and visit of scientists/GOI and state officials.

- ✓ The large blocks of crop areas will be taken up for Cluster Front Line Demonstration (CFLDs) of production and protection technologies in a cropping system based mode.
- ✓ Area of operation: The CFLDs 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 an area of 5 ha or more. The lowest productivity areas in selected districts should be given priority.



- ✓ ICAR/SAUs may indicate the nodal centres for respective nutri-cereal crops to coordinate the implementation of FLDs.
  - ✓ Field Level Technology demonstrations in compact blocks would be organized in selected districts for four categories of millets – Sorghum, Pearl millet, Finger millet and Small millets.
  - ✓ Except varietal trials, the demonstrations on other crop production technologies, the variety should not be older than 10 years, preferably below 5 years.
  - ✓ Each implementing agency will constitute monitoring team with involvement of officials of Crop Development Directorates, State Department of Agriculture and Scientists of ICAR/SAUs/KVKs.
  - ✓ All the FLDs/CFLDs should be conducted under the close supervision of SAUs/KVK/ICAR institutes/ATARI.
  - ✓ Farmers' practice, crop production and plant protection technologies used in FLDs should be obtained in the progress report. The reasons for yield gap between FLDs and farmers' practices should be mentioned in progress report.
  - ✓ No chemical fertilizer is allowed as input under FLD programme. However, payment to various farm operations/farm services and other critical inputs (seed, bio-fertilizers, lime, gypsum and micro nutrients etc.) are allowed. Farmers have to apply the recommended dose of fertilizers from their own resources.
  - ✓ Field days should be regularly organized and prior information should be sent to DAC&FW and Director, ATARI of ICAR.
  - ✓ The details of FLD beneficiary-farmers along with contact number should also be furnished to DAC&FW.
  - ✓ All implementing agencies and their coordinating centres should involve agronomist/plant breeder to finalize technologies to be demonstrated in FLD programme and make follow up visits to demonstration sites.
  - ✓ The FLDs implementing agency will re-allocate the number of FLDs as per approval and intimate to DAC&FW.
  - ✓ Each implementing agency will send technical programme; and progress report of FLDs Millets to Indian Institute of Millets Research (IIMR), Hyderabad and Directorate of Millets Development (DMD), Jaipur, respectively on quarterly basis.
- 6. Need based inputs:**
- 6.1 Enhancing Seed System**
- Nodal Agency :** Indian Institute of Millet Research (IIMR), Hyderabad.



### 6.1.1 Enhancing Breeder Seed Production for Increasing Indigenous Production of nutri-cereals in India

- The breeder's seed forms the basic link in the chain of seed-multiplication programme. Utmost care is required to strengthen the programs and effectiveness. It is therefore, necessary that extra care is taken and sufficient funds are to be allotted for breeder seed-multiplication programme.
- Besides providing substantial inputs, breeders have to follow-up requisite operations, like pollination, isolation, roguing, processing etc., before the seed is declared fit for subsequent multiplication programme.
- The center wise details of breeder seed production targets of various millets through SAUs/ ICAR institutes / ICRISAT would be approved under the project. The budget proposed for each center is mainly for works, seed processing units, and farm implements.

### 6.1.2 Identification, Multiplication and distribution of high yielding varieties (HYVs) and hybrids

#### Seed Hubs:

**Nodal Agency:** Indian Institute of Millet Research (IIMR), Hyderabad

Seed plays the most important role in increasing the productivity of agriculture

sector. Introduction of high yielding varieties of rice and wheat during the early sixties played a major role in bringing green revolution in India. Development of the millets seed sector in the country will need introduction of seeds that can resist water stress, are of short duration and other qualities that suit the dryland conditions. Developing HYVs of these crops will significantly add to the development of the dryland agriculture in the country.

In millets, availability of quality seeds is only 30-35% (Seed Replacement Rate) and remaining 65-70% is supplied through informal sector (farm saved seed) whose quality is much below the desired level. In order to increase the availability of quality seeds to farmers, creation of millet seed hubs is necessary and quality seed will help to enhance production by 20-30%.

The seed hubs will be created in states selected under NFSM Nutri-Cereals component. The primary objective of these seed hubs is to ensure the availability of location specific HYVs/Hybrids at affordable prices to farmers following generation system of seed multiplication from breeder seed to foundation seed to certified seed.

The seed hubs are managed by SAUs/KVKs/ICAR institutes which will be identified by respective state governments. The seed hubs will have primary seed processing facilities along with seed storage. The technical assistance and expenditure if any will be provided to each hub for maintenance and operational aspects of seed production and processing machinery through revolving fund.

Along with these seed hubs, seed producing agencies like NSC/SSCs/SAUs/ICAR Institutes will also undertake



foundation/certified seed production and among which authorized by the State they will distribute seed to selected districts. The DFSSM-EC will finalize the list of beneficiaries in consultation with Village Panchayats. Assistance for purchase of seeds will be available to selected farmers for the area not exceeding 1 ha each.

In case of supply of seeds by Central Seed Agencies like NSC, NAFED, IFFDC, KRIBHCO etc., reimbursement of subsidy for distribution of Hybrid/HYV seeds of Millets will be made directly by the Ministry to such agency, within 10% (with 10% annual increase) 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.

Spread of HYV is more pronounced in sorghum and bajra while improved varieties in ragi and other small millets cultivars need lot of improvement. Seed supply of small millets varieties is an area which need focused attention for enhancement of farmers' income in tribal, hilly and other disadvantageous regions.

## **7. Incentive for Seed Production:**

Many of the recent public hybrids particularly for pearl millets have shorter duration and they are better suited for adoption especially in the low rainfall area. However, commercial production of these hybrids has not been undertaken by the Seed Producing Agencies in the Public and the Private Sector. Similarly for Rabi Sorghum, better varieties have been developed to replace age old varieties but these varieties have not been put in the seed chain for assured supply.

To promote new varieties/hybrids and to augment the availability of seed and to make the cost affordable to the farmers, it is proposed to provide an incentive of Rs. 3,000/- per quintal of HYVs for 80% of the total allocation. Similarly, for certified seed production of Hybrids, assistance would be admissible @ Rs. 10,000/- quintal to a limit of 20% of the total allocation of funds. Out of the total incentive, 75% incentive would be passed on to the farmers and 25% to the seed producing agencies towards their handling and processing charges. The varieties released during last 10 years would only qualify for the assistance. The central seed producing agencies i.e. NSC, NAFED, HIL, KRIBHCO, or any other approved central agency would only be involved in seed production programme with farmer's participatory approach.

## **8. Seed Minikit Programme of Nutri-Cereals**

In order to promote quick spread of new varieties/hybrid of millets, minikits of millets seed varieties not older than 10 years will be provided free of cost to farmers. National and state seed producing agencies will supply minikits to State Governments for distribution amongst farmers. The arrangement for seeds for seed minikits of millets will be made by the concerned States and furnish the bills for reimbursement to the Ministry. Distribution of seed minikits will be made to all farmers in contiguous area of at least 25 hectares. The size of minikits will be 1.5 kg of Bajra and 4 kg of Jowar, Ragi & small millets. This quantity will be sufficient to plant 0.4 ha. The price of seed minikits will be fixed by NFSM-EC and the cost will be reimbursed to the agencies on certification of receipt by the State Governments.

In millets, apart from frontline demonstrations (FLDs), initial efforts in



bringing the new variety in seed chain is most essential unlike other crops which are not taken up by seed agencies and corporations for production. Provision of minikit programmes not only helps in enabling varietal replacement, but also in enhancing production and productivity which is the main goal of this programme.

Each Seed Minikit: 0.4 ha in Kg /ha	Seed requirement (in Kg)	Cost / Kg	Total Cost of Seed Minikit in Rs.
Bajra hybrid/ varieties	1.5		
Ragi and other small millet varieties	4		
Jowar hybrid (50%) and Jowar varieties(50%)	4		

## 9. Farmer Producer Organizations:

Millets cultivation in India is dominated by resource poor small holder farmers and widely dispersed across geographies. Leveraging on those existing Farmer Producer Organizations and federation of such resource poor farmers into new FPOs would result in attaining faster results. The outcomes are expected to improve access to quality inputs, credit and technology, plus adoption of better practices, higher productivity and higher incomes due to integration in the value chain and to share in the resulting benefits under NFSM. It is envisaged that, during the next 5 years at least 100 millet based FPOs will be formed.

Assistance for FPO promotion will be available for a maximum period of three years as per the FPO Process Guidelines of SFAC. The Action Plan proposed focuses on

the following four areas.

- (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 Farmer/Kisan Producer Company or other institutional firm, 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 or civil society 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.



- (v) The FPOs to be established by SFAC will be implemented on 100% GOI share. The FPOs of State Govts. is to be implemented on 60:40 sharing basis for General States and 90:10 for Hilly and NE States.

### 9.1 Demonstration cum Training Centres:

Primary and Secondary Processing facilities will be provided to each FPOs. Each of these FPOs will be connected to a KVK/ICAR institute/NGO for handholding and will serve as demonstration cum training centres for furtherance of post-harvest technologies. Necessary technical training will be provided to the members of FPO before operationalization. A technical assistant (with intermediate pass) will be provided on contractual basis for operations purpose. Farm level value addition will enable better price realization for beneficiaries. To utilize the full capacity and to attain sustainability of these processing units, FPOs may levy nominal charges.

As a part of the marketing support each of these FPOs are encouraged to start a Millet Kitchen. Selected women farmers/women entrepreneurs among the FPOs will be trained on millet based food recipes. This will augment the consumption preferences among tier 2 and tier 3 cities towards millets.

### Financial Assistance to be provided for FPOs

S. No	Component	Cost (Rs. In Lakhs)
1	<b>Federating FPOs:</b> Mobilization of farmers into registered producer	5.0

### 9.2 Processing Clusters:

Apart from the 100 processing cum demonstration centers in FPOs, an additional 500 such processing technology clusters would be made available to the SHGs/NGOs/local entrepreneur/progressive farmers as an attachment to local processing units.

#### Pattern of Assistance:

Component	Cost (Rs. In Lakhs)/unit
<b>Processing Clusters (Small), Incl. Establishment charges</b>	10
<b>Marketing Support:</b> Unregistered farmer groups, SHGs, SHG federation etc. @ Rs.2.00 lakh per group of 15 farmers, for one time support only	2

The processing clusters will be consisting of primary processing equipments. Care should be taken while selecting beneficiaries for their credibility to



sustain millet promotion. One Technical assistant/cluster may be provided to handle the machinery. The specifications may be provided by the ICAR- IIMR/CFTRI/ CIPHET/CIAE to all the identified states. Trainings may be provided by the vendors in consultation with ICAR- IIMR/ AICRP/ CoE/SAU.

## 10. Research Support:

As proposed in NFSM general guidelines.

### 10.1 Extending financial support for existing Center of Excellence (CoEs)

Three commodity- wise national demonstrations cum training centres would be set up as a part of Initiative for Nutritional Security through Intensive Millets Promotion (INSIMP) at the Indian Institute of Millets Research (IIMR) formerly known as Directorate of Sorghum Research, Hyderabad for sorghum; University of Agriculture Sciences, UAS, Bengaluru for finger millet and small millets; and CCS Hisar Agriculture University, Hisar for pearl millet with the following objectives: -

- Value added products and technologies and recipe development.
- Shelf life enhancement and nutritional profiling.
- Refinement of technology, retrofitting machineries and their demonstration.
- Providing entrepreneurship development and training by incubating them.
- Facilitate market linkages between processors and producers.
- Upscaling of developed technologies; and

- Creating awareness on nutritional wellness of millets.

Each of these centres functioned as a Centre of Excellence (CoEs) for the designated crop has done a commendable work in technology development, demonstrations and capacity building activities for farmers and entrepreneurs. In particular, IIMR has done an extensive research in the area of post harvest value addition of millets and has been able to create a road map for enhancing demand for millets, there by supporting farmers for a better price realization.

It is envisaged that the Nutri-Cereals component under NFSM should also support the existing COEs established under INSIMP. These centers will continue to work on Post harvest value addition research needs with a major focus on demand creation of millets through Technology up scaling and commercialization (especially through entrepreneurship), Entrepreneurship development with special focus on women, Shelf life studies and bio fortification in Millets.

They may be provided each with responsibility of establishing pilot millet kitchens in each of these CoE's by providing one time grant in addition to providing one mobile exhibition cum kitchen to propagate millets and reaching out to end users.

It is also proposed that ICAR-IIMR, Hyderabad will host an Nutri-Cereals industrial applications pilot project like Brewing, Bio-fuel, Fodder briquetting and pellets machinery.



## 11. Flexi Interventions

### 11.1 Trainings

Training of trainers/farmers plays crucial role in speedy dissemination of improved crop production practices. Since majority of farmers are not adopting any package of practices in millets, 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 35 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 is given as under:

Item	Rate (Rs.)	Amount for 4 Sessions
Honorarium (1)	Rs.500/session	Rs. 2000
Training Material and Stationery	Rs.500/session	Rs. 2000
Refreshments	Rs.50/head for 35 persons	Rs. 7000
Contingency, Transport etc	Rs.750/ person	Rs. 3000
Total		Rs. 14000

### 11.2 Support to institutes/organizations including NGOs in remote areas:

As proposed in NFSM general guidelines.

### 11.3 Need based Farm Implements

Under the Programme, only those implements will be provided to the farmers for use of pesticides and life saving irrigation for increasing productivity of millets. These implements include manual sprayer, duster and sprinkler under this programme.

### 11.4 Exposure visit to National & International Organizations

As proposed in NFSM general guidelines.

## 12. Awareness, Publicity and Promotion (As per Central : State share)

### 12.1 Fairs, Exhibitions, Fests and Campaigns

P State and District level farmer fairs and exhibitions are equally important to create awareness about the importance of Millets and the improved technologies including high yielding varieties and better cultivation practices, most importantly government initiatives and support to farmers in promoting millets production in the country.

P National and State level Millets Fests can demonstrate processing technologies, value addition and nutritional benefits of Millets which will



create a demand for millet based products and will also encourage private investments in millets processing at a national level. Investments in value addition will bring in efficient supply chain systems which will encourage more and more farmers to undertake millets cultivation thereby enhancing income, nutritional security and long term sustainability of millet producers.

**P** National Level 'Eat Millets Campaign' promote the awareness about the usefulness of millets and to reach out to the larger groups of consumers for creating a demand for millets enhancing production.

The campaign on TV would also be taken up alongwith advertisements in publications, documentary films, rural publicity through vans, unique schemes of providing millet kitchen carts to unemployed youths, nutritional booklets, mother and child care booklets, recipe booklets, exhibitions, seminars and cultural events.

## **12.2 Road Shows and Millet campaign Rath with Kitchen**

Road shows in major cities like Bangalore, Hyderabad, Chennai, Mumbai and New Delhi will bring together farmers, agri-entrepreneurs, retailers, consumers and government bodies to promote smart foods which will help in strengthening the commodity demand and benefit farmers income in medium to long term. It is proposed that as a pilot project, 10 Millet



Campaign Rath ( Modified Vans) with Kitchen will be launched under NFSM Nutri-Cereals component which will be used to organize road shows in these cities.

### **12.3 Promotion of Millet Restaurants at State and Central Government Offices**

It is proposed that the central and state governments would encourage creation of exclusive millet kitchens in their government offices. Unemployed youth/Entrepreneurs will be encouraged to take up such activity and must be incentivized under NFSM.

## **13. Reporting System**

The State Department of Agriculture will ensure submission of Monthly/Quarterly Progress Reports (MPRs/QPRs) which should reach by the 15<sup>th</sup> of the month following each month/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- VIII(d)]**. One copy of the quarterly/annual report of NFSM-Nutri-Cereals should be sent to the Directorate of Millets Development, Jaipur.



Annexure-VIII(c)

Action Plan for NFSM-Nutri-Cereals for \_\_\_\_\_ Year

State:

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
1.	<b>Cluster Front Line Demonstration by State (60:40)</b>						
	(I) Jowar	Rs. 6000/ha	ha				
	(ii) Bajra	Rs. 6000/ha	ha				
	(iii) Ragi	Rs. 6000/ha	ha				
	(iv) Kodo Millet	Rs. 6000/ha	ha				
	(v) Barnyard Millet	Rs. 6000/ha	ha				
	(vi) Proso Millet	Rs. 6000/ha	ha				
	(vii) Foxtail Millet	Rs. 6000/ha	ha				
	(viii) Little Millet	Rs. 6000/ha	ha				
	<b>Sub Total (Item I)</b>						
2.	<b>Distribution of Seed (60:40)</b>						
	(a) Hybridseedof nutritive variety (25% of the total seed allocation of Jowar & Bajra)						
	(I) Bajra	Rs. 10,000/qtl	qtl				
	(ii) Jowar	Rs. 10,000/qtl	qtl				
		<b>Sub Total 2 a(I) to (ii)</b>					
		<b>(b) HYVs Seed</b>					
	(i) Jowar (for varieties <10 years)	Rs. 3000/qtl	qtl				
	(ii) Jowar (for varieties >10 years)	Rs. 1500/qtl	qtl				
	(iii) Bajra (for varieties <10 years)	Rs. 3000/qtl	qtl				
	(iv) Bajra (for varieties >10 years)	Rs. 1500/qtl	qtl				
	(v) Ragi(for varieties <10 years)	Rs. 3000/qtl	qtl				
	(vi) Ragi(for varieties >10 years)	Rs. 1500/qtl	qtl				
		(vii) Small Millets					
		(a) Kodo Millet(forvarieties <10years)	Rs. 3000/qtl	qtl			
		(b) Kodo Millet(forvarieties >10years)	Rs. 1500/qtl	qtl			
		(c) Barnyard Millet (for varieties <10 years)	Rs. 3000/qtl	qtl			
		(d) Barnyard Millet (for varieties >10 years)	Rs. 1500/qtl	qtl			
		(e) Proso Millet(forvarieties <10years)	Rs. 3000/qtl	qtl			
		(f) Proso Millet(forvarieties >10years)	Rs. 1500/qtl	qtl			
		(g) Foxtail Millet(for varieties <10 years)	Rs. 3000/qtl	qtl			
		(h) Foxtail Millet(for varieties >10 years)	Rs. 1500/qtl	qtl			
		(i) Little Millet(for varieties <10 years)	Rs. 3000/qtl	qtl			
		(j) Little Millet(forvarieties >10years)	Rs. 1500/qtl	qtl			
		<b>Sub Total [Item 2(b)]</b>					
		<b>Total for Items 2(a) &amp; 2(b)</b>					



Annexure-VIII(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
<b>3.</b>	<b>Certified Seed Production</b>						
	<b>(a) HYVs seeds by State &lt; 10 years old varieties (60:40)</b>						
	(I) Jowar	Rs. 3000/qtl	qtl				
	(ii) Bajra	Rs. 3000/qtl	qtl				
	(iii) Ragi	Rs. 3000/qtl	qtl				
	(a) Kodo Millet	Rs. 3000/qtl	qtl				
	(b) Barnyard Millet	Rs. 3000/qtl	qtl				
	(c) Proso Millet	Rs. 3000/qtl	qtl				
	(d) Foxtail Millet	Rs. 3000/qtl	qtl				
	(e) Little Millet	Rs. 3000/qtl	qtl				
	<b>Sub Total (Item 3a)</b>						
	<b>(b) Hybrid seeds of Nutri-Cereals by state (60:40)</b>	Rs. 10000/-qtl.	qtl				
	<b>Sub Total [Item 3(a+b)]</b>						
<b>4</b>	<b>Integrated Nutrient Management (INM)- (60:40)</b>						
	(I) Micronutrient	Rs. 500/ha	ha				
	(ii) Bio-fertilizer	Rs. 500/ ha	ha				
	<b>Sub Total (Item 4)</b>						
<b>5</b>	<b>Integrated Pest Management (IPM)- (60:40)</b>						
	(I) Weedicides	Rs. 500/ha	ha				
	(ii) Plant Protection Chemical & Bio-agents	Rs. 500/ha	ha				
	<b>Sub Total (Item 5)</b>						
	<b>Total for INM &amp; IPM (Item 4 + 5)</b>						
<b>6</b>	<b>Flexi Components</b>						
<b>6(a)</b>	<b>Farm implements &amp; equipments (60:40)</b>						
	(i) Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers	50% of the cost of Rs. 600/unit, whichever is less	Nos				
	(ii) Manual Sprayer for other farmers	40% of the cost of Rs. 500/unit, whichever is less	Nos				
	<b>Sub Total Item 6(a)</b>						
<b>6(b)</b>	<b>Water application tools (60:40)</b>						
	(I) Sprinkler	50% of the cost of Rs. 19542toRs.21901perha depending on diameter of pipe used as per guidelines under PMKSY.	ha				
	<b>Sub Total Item 6(b)</b>						
<b>6(C)</b>	<b>Cropping system based training (60:40)</b>	Rs.14000 pertrainingof 4 session	Nos				



Annexure-VIII(c) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Targets Proposed by State		Targets Approved by GOI	
				Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8
<b>6(d)</b>	<b>Events/ Workshop/Publicity (60:40)</b>						
	(i) State level workshop	Lumpsum					
	(ii) District level festivals	Lumpsum					
	(iii) Road show	Lumpsum					
	(iv) Creation of awareness	Lumpsum					
	(v) Publicity	Lumpsum					
	<b>Sub Total Item 6(d)</b>						
<b>6(e)</b>	<b>Local Initiatives (60:40)</b>						
	(I)						
	(ii)						
	<b>Sub Total Item 6(e)</b>						
<b>6(f)</b>	<b>Formation of FPOs in cluster area 100% GOI)</b>	As per SFAC norms					
<b>6(g)</b>	<b>Creation of processing units for FPOs (100% GOI)</b>	Lump Sum					
<b>6(h)</b>	<b>Centre of Excellence (CoEs) (100% GOI)</b>	Lump Sum					
<b>6(i)</b>	<b>Creation of Seed Hubs (100% GOI)</b>	Lump Sum					
<b>6(j)</b>	<b>Creation of Centre for Breeder Seed Production (100 % GOI Assistance)</b>	Lump Sum					
<b>6(k)</b>	<b>Distribution of Seed Minikits (HYVs)- (100% GoI)</b>						
	(i) Jowar						
	(ii) Bajra						
	(iii) Ragi						
	(iv) Small Millets						
	<b>Sub Total Item 6(k)</b>						
	<b>Total for Flexi Components [6(a) to 6(j)]</b>						
	<b>Total NFSM- Nutri-Cereals</b>						
	<b>GOI Share</b>						
	<b>State Share</b>						



Annexure-VIII(d)

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

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
				Phy	Fin	Achievements for quarter I/II/III		Achievements till 31st March	
						Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
	<b>Cluster Front Line Demonstration by State (60:40)</b>								
	(I) Jowar	Rs.6000/ha	ha						
	(ii) Bajra	Rs.6000/ha	ha						
	(iii) Ragi	Rs.6000/ha	ha						
	(iv) Kodo Millet	Rs.6000/ha	ha						
	(v) Barnyard Millet	Rs.6000/ha	ha						
	(vi) Proso Millet	Rs.6000/ha	ha						
	(vii) Foxtail Millet	Rs.6000/ha	ha						
	(viii) Little Millet	Rs.6000/ha	ha						
	<b>Sub Total (Item I)</b>								
	<b>Distribution of Seed (60:40)</b>								
	(a) Hybrid seed of nutritive variety (25% of the total seed allocation of Jowar & Bajra)	Rs.10000/qtl	qtl						
	(I) Bajra	Rs.10000/qtl	qtl						
	(ii) Jowar	Rs.1500/qtl	qtl						
	<b>Sub Total 2 a(I) to (ii)</b>								
	(b) HYVs Seed								
	(i) Jowar (for varieties <10 years)	Rs.3000/qtl	qtl						
	(ii) Jowar (for varieties >10 years)	Rs.1500/qtl	qtl						
	(iii) Bajra (for varieties <10 years)	Rs.3000/qtl	qtl						
	(iv) Bajra (for varieties >10 years)	Rs.1500/qtl	qtl						
	(v) Ragi(for varieties <10 years)	Rs.3000/qtl	qtl						
	(vi) Ragi(for varieties >10 years)	Rs.1500/qtl	qtl						
	(vii) Small Millets								
	(a) Kodo Millet(for varieties <10 years)	Rs.3000/qtl	qtl						
	(b) Kodo Millet(for varieties >10 years)	Rs.1500/qtl	qtl						
	(c) Barnyard Millet (for varieties <10 years)	Rs.3000/qtl	qtl						
	(d) Barnyard Millet (for varieties >10 years)	Rs.1500/qtl	qtl						
	(e) Proso Millet (for varieties <10 years)	Rs.3000/qtl	qtl						
	(f) Proso Millet (for varieties >10 years)	Rs.1500/qtl	qtl						
	(g) Foxtail Millet (for varieties <10 years)	Rs.3000/qtl	qtl						
	(h) Foxtail Millet (for varieties >10 years)	Rs.1500/qtl	qtl						
	(i) Little Millet (for varieties <10 years)	Rs.3000/qtl	qtl						
	(j) Little Millet (for varieties >10 years)	Rs.1500/qtl	qtl						
	<b>Sub Total [Item 2(b)]</b>								
	<b>Total for Items 2(a) &amp; 2(b)</b>								



**Annexure-VIII(d) contd...**

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
<b>3</b>	<b>Certified Seed Production</b>								
	(A) HYVs seeds by State < 10 years old varieties (60:40)								
	(I) Jowar	Rs.3000/qtl	qtl						
	(ii) Bajra	Rs.3000/qtl	qtl						
	(iii) Ragi	Rs.3000/qtl	qtl						
	(iv) Small Millets								
	(a) Kodo Millet	Rs.3000/qtl	qtl						
	(b) Barnyard Millet	Rs.3000/qtl	qtl						
	(c) Proso Millet	Rs.3000/qtl	qtl						
	(d) Foxtail Millet	Rs.3000/qtl	qtl						
	(e) Little Millet	Rs.3000/qtl	qtl						
	<b>Sub total (Item A)</b>								
	(B) Hybrid seeds of Nutri-Cereals by state (60:40)	Rs.10000/qtl	qtl						
<b>4</b>	<b>Sub total [Item 3(A+B)]</b>								
	<b>Integrated Nutrient Management (INM)- (60:40)</b>								
	(I) Micronutrient	Rs.500/ha	ha						
	(ii) Bio-fertilizer	Rs.500/ha	ha						
<b>5</b>	<b>Sub Total (Item 4)</b>								
	<b>Integrated Pest Management (IPM)- (60:40)</b>								
	(I) Weedicides	Rs.500/ha	ha						
	(ii) Plant Protection Chemical & Bio-agents	Rs.500/ha	ha						
	<b>Sub Total (Item 5)</b>								
	<b>Total for INM &amp; IPM (Item 4 + 5)</b>								
<b>6</b>	<b>Flexi Components</b>								
<b>6(a)</b>	<b>Farm implements &amp; equipments (60:40)</b>		Nos						
	(i) Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers	50% of the cost of Rs. 750 / unit, whichever is less	Nos						
	(ii) Manual Sprayer for other farmers	40% of the cost of Rs. 600 / unit, whichever is less	Nos						
	<b>Sub Total Item 6(a)</b>								
<b>6(b)</b>	<b>Water application tools (60:40)</b>								
	(I) Sprinkler	50% of the cost of Rs. 10000/unit, whichever is less	ha						
	<b>Sub Total Item 6(b)</b>								
<b>6(c)</b>	<b>Cropping system based training (60:40) for a group of 30 farmers</b>	Rs. 3500 per session, Rs. 14000 per training of 4 sessions	Nos						
<b>6(d)</b>	<b>Events/ Workshop/Publicity (60:40)</b>								
	(I) State level workshop	Lump Sum							
	(ii) District level festivals	Lump Sum							
	(iii) Road show	Lump Sum							
	(iv) Creation of awareness	Lump Sum							
	(v) Publicity	Lump Sum							
	<b>Sub Total Item 6(d)</b>	As per SFAC norms							

Contd...



Annexure-VIII(d) contd...

Sl. No.	Interventions	Approved Rate of Assistance	Unit	Final Targets Approved by GOI		Quarterly/Annual Progress Report			
						Achievements for quarter I/II/III		Achievements till 31st March	
				Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10
<b>6(e)</b>	<b>Local Initiatives (60:40)</b>								
	(I)								
	(ii)								
	<b>Sub Total Item 6(e)</b>								
<b>6(f)</b>	<b>Formation of FPOs in cluster area 100% GOI)</b>	AsperSFACnorms							
<b>6(g)</b>	<b>Creation of processing units for FPOs (100% GOI)</b>	Lump Sum							
<b>6(h)</b>	<b>Centre of Excellence (CoEs) (100% GOI)</b>	Lump Sum							
<b>6(I)</b>	<b>Creation of Seed Hubs (100% GOI)</b>	Lump Sum							
<b>6(j)</b>	<b>Creation of Centres for Breeder Seed Production (100% GOI Assistance)</b>	Lump Sum							
<b>6(k)</b>	<b>Distribution of Seed Minikits (HYVs)- (100% GoI)</b>								
	(i) Jowar								
	(ii) Bajra								
	(iii) Ragi								
	(iv) Small Millets								
	<b>Sub Total Item 6(k)</b>								
	<b>Total for Flexi Components [6(a) to 6(j)]</b>								
	<b>Total NFSM- Nutri-Cereals</b>								
	<b>GOI Share</b>								
	<b>State Share</b>								



**Annexure-VIII(d)-i**

**Progress of component-wise SC/ST & Women farmers being benefitted from NFSM-Nutri-Cereals**

**Month:**

**State:**

Sl. No.	Component	SC		ST		Women	
		No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)	No. of Beneficiaries	Amount Spent (in Rs.)
1.	Demonstration of certified seed production						
2.	Seed distribution						
3.	INM & IPM						
4.	Farm Implements						
5.	Water saving devices						
6.	Pipe for Carrying water from source to field						
7.	Cropping system based training						
8.	Local initiatives						
9.	Other components						
	<b>Total</b>						