

NFSM

National Food Security Mission is a centrally sponsored scheme to increase the Productivity of Rice and Pulses in the state with simultaneously maintaining the soil health.

Major Objectives of NFSM Programmes

- Increasing production of rice, wheat and pulses through area expansion and productivity enhancement in sustainable manner in the identified districts of the state.
- Restoring soil fertility and productivity at individual farm level
- Creation of employment opportunity to minimize labour migration.
- Enhancing farm level economy (i.e. Farm profits) to restore confidence amongst the farmers.

Programme Initiation in Jharkhand

Sl.No.	Programme	Year of start	District covered
1	NFSM - Rice	2007-08	Ranchi, Simdega, Gumla, Hazaribagh, West Singhbhum, Khunti, Ramgarh
2	NFSM -Pulses	2010-11	Garhwa, Palamau, Latehar, Chatra, Lohardaga, Gumla, Simdega, Saraikela, west Singhbhum, Ranchi, Khunti, Hazaribagh, Ramgarh, Giridih, Dumka, Pakur, Sahibganj
3	NFSM –A3P	2010-11	- do-

Major Intervention undertaken

- Distribution of Certified seed of High yielding and Hybrid varieties of Rice and Pulses.
- Conducting Cluster demonstration on SRI, IPP and HRT under NFSM – Rice.
- Conducting Cluster demonstration on major pulses crop under NFSM – Pulses and A3P (Pulses) Programme.
- Distribution of INM (Integrated Nutrient Management) on subsidy basis.

Major Intervention undertaken

- Distribution of IPM (Integrated Pest Management). Input on subsidy basis
- Distribution of weedicides on subsidy basis.
- Distribution of Resource conservation technology tools.
- Organisation of Farmers Field School for skill development & capacity building of farmers.

**Districtwise Tentative Target of Cluster Demonstration under NFSM-Rice 2013-14.
(Area in ha)**

Sl.No.	District	Direct seeded Rice/IPP/SRI	HRT (Hybrid Rice Technology)
1	Ranchi	900	500
2	Simdega	700	250
3	Gumla	900	500
4	Hazaribagh	600	250
5	W.Singhbhum	800	500
6	Ramgarh	400	250
7	Khunti	400	250
	Total	4700	2500

Districtwise Tentative target of Seed distribution under NFSM-Rice 2013-14.

Sl.No.	District	HYV seed(q)	Hybrid Rice seed(q)
1	Ranchi	18000	2000
2	Simdega	8000	150
3	Gumla	15000	175
4	Hazaribagh	10000	100
5	W.Singhbhum	9500	100
6	Ramgarh	3000	75
7	Khunti	6500	100
	Total	70000	2700

**Districtwise Tentative target of Plant & Soil Protection Management under NFSM-Rice
(Area in ha)**

Sl.No.	District	Micronutrient (Borax) (max assistance @ Rs 500/ha)	Lime/Dolomite (max assistance@ Rs 500/ha)	P.P. Chemicals (max assistance@ Rs 500/ha)
1	Ranchi	100	75	400
2	Simdega	300	50	175
3	Gumla	75	75	400
4	Hazaribagh	120	50	125
5	W.Singhbhum	225	120	450
6	Ramgarh	50	20	75
7	Khunti	75	30	175
	Total	945	420	1800

Districtwise Resource conservation Technologies/Tools

Sl.No.	District	Conoweeder	Knapsack sprayer	Zero till seed drill	Zero till multi crop Planter	Ridge furrow Planter	Rotavator	Pumpsets
Maximum rate of assistance under NFSM								
		Rs 3000/each	Rs 3000/each	Rs15000/each	Rs15000/each	Rs 15000/each	Rs30000/each	Rs10000/each
1	Ranchi	115	150	2	2		50	350
2	Simdega	100	25	2	3		15	725
3	Gumla	1200	1500	2	-	2	-	425
4	Hazaribagh	225	350	6	20		15	425
5	W.Singhbhum	625	750	2	2	2	5	300
6	Ramgarh	150	125	7	7	2	7	300
7	Khunti	200	100	2	2		10	400
	Total	2615	3000	23	36	6	102	2925

Districtwise tentative target of FFS under NFSM-Rice(2013-14)

Sl.No.	District	Target of FFS
1	Ranchi	10
2	Simdega	10
3	Gumla	10
4	Hazaribagh	8
5	W.Singhbhum	10
6	Ramgarh	8
7	Khunti	8
	Total	64

Districtwise Tentative target of seed distribution under NFSM-Pulses(2013-14)

Sl.No	District	Seed distribution (q)	
		< 10 years old varieties	> 10years of old varieties
1	Garhwa	500	1550
2	Palamau	500	1550
3	Latehar	700	2200
4	Chatra	225	800
5	Lohardaga	300	925
6	Gumla	350	1000
7	Simdega	625	2000
8.	Saraikela	300	1000
9.	W.Singhbhum	325	1000

Districtwise Tentative Target of seed distribution under NFSM-Pulses(2013-14)

Sl.No.	District	seed distribution (q)	
		< 10 years old varieties	> 10years old varieties
10	Ranchi	150	400
11	Khunti	220	600
12	Hazaribagh	200	650
13	Ramgarh	100	250
14	Giridih	150	450
15	Dumka	250	750
16	Pakur	200	600
17	Sahibganj	175	500
	Total	5270	16225

Districtwise Tentative Target for Cluster Demonstration under NFSM-Pulses and A3P(2013-14)
(Area in ha)

Sl.No.	District	NFSM-Pulses	NFSM-A3P	
			Kharif	Rabi
1	Garhwa	1000	1000	1000
2	Palamau	1000	1000	1000
3	Latehar	1000	1000	1000
4	Chatra	1000	1000	1000
5	Lohardaga	1000	1000	1000
6	Gumla	1000	1000	1000
7	Simdega	1000	1000	1000
8.	Saraikela	1000	1000	1000

Districtwise Tentative Target under Cluster Demonstration on NFSM-Pulses and A3P(2013-14)
(Area in ha)

Sl.No.	District	NFSM-Pulses	NFSM-A3P	
			Kharif	Rabi
10	Ranchi	1000	1000	1000
11	Khunti	1000	1000	1000
12	Hazaribagh	1000	1000	1000
13	Ramgarh	1000	1000	1000
14	Giridih	1000	1000	1000
15	Dumka	1000	1000	1000
16	Pakur	1000	1000	1000
17	Sahibganj	1000	1000	1000
	Total	17000	17000	17000

Districtwise Tentative Target for distribution of INM under NFSM-Pulses(2013-14)
(Area in ha)

Sl.No.	District	Micronutrient (Borax)(max assistance@ Rs 500/ha)	Lime/Dolomite/ Basic slag(max assistance @Rs750/ha)	Rhizobium culture/PSB (max assistance @Rs 100/ha)
1	Garhwa	450	1650	1100
2	Palamau	400	2000	1000
3	Latehar	950	4000	2000
4	Chatra	200	950	450
5	Lohardaga	250	1200	600
6	Gumla	400	1450	600
7	Simdega	500	2500	1300
8.	Saraikela	250	1200	600
9.	W. Singhbhum	800	1000	500

Districtwise Tentative Target for the distribution of INM under NFSM-Pulses(2013-14)
(Area in ha)

Sl.No.	District	Micronutrient (Borax) (max assistance @Rs 500/ha)	Lime/Dolomite/ Basic slag(max assistance@ Rs750/ha)	Rhizobium culture/PSB(max assistance @Rs 100/ha)
10	Ranchi	100	500	300
11	Khunti	200	800	400
12	Hazaribagh	150	800	400
13	Ramgarh	100	150	200
14	Giridih	150	600	300
15	Dumka	200	1000	100
16	Pakur	150	1000	400
17	Sahibganj	100	700	350
	Total	5350	21500	10600

Districtwise Tentative Target for distribution of IPM under NFSM-Pulses(2013-14)
(Area in ha)

Sl.No.	District	IPM Package (max assistance @ Rs 750/ha)	Distribution of NPV (max assistance @Rs 250/ha)	Distribution P.P. chemicals (assistance@ Rs 500/ha)	Weedicides Assistances (max assistance @Rs.500/ha)
1	Garhwa	400	50	400	50
2	Palamau	400	50	400	50
3	Latehar	900	600	900	300
4	Chatra	175	50	200	50
5	Lohardaga	250	50	250	50
6	Gumla	300	60	300	50
7	Simdega	500	50	500	60
8.	Saraikela	250	150	250	50
9.	W. Singhbhum	400	50	500	150

Districtwise Tentative Target for distribution of IPM under NFSM-Pulses(2013-14)
(Area in ha)

Sl.No	District	IPM Package Assistance (max. assistance @ Rs 750/ha)	Distribution of NPV (max. assistance @Rs 250/ha)	Distribution P.P. chemicals (assistance @Rs 500/ha)	Weedicides Assistances(max assistance @Rs.500/ha)
10	Ranchi	100	50	100	50
11	Khunti	200	50	200	50
12	Hazaribagh	150	50	160	50
13	Ramgarh	75	50	60	25
14	Giridih	150	50	150	25
15	Dumka	200	25	200	25
16	Pakur	150	50	150	25
17	Sahibganj	150	50	150	25
	Total	4750	1485	4870	1085

Districtwise Tentative Target of resource conservation technologies/ tools under NFSM-Pulses (2013-14)

Sl.No.	District	Knapsack sprayer	Zero till seed drill	Seed drill	Rotavator	Raingun	Pumpsets	Irrigation Pipe
Maximum rate of assistance under NFSM								
		Rs.3000/each	Rs15000 /each	Rs15000 /each	Rs30000/each	Rs15000/each	Rs10000/each	Rs15000/each
1	Garhwa	450	2	2	5	7	200	75
2	Palamau	75	2	2	2	7	200	75
3	Latehar	220	13	20	20	20	75	30
4	Chatra	100	2	2	5	50	150	25
5	Lohardaga	260	2	2	5	10	200	50
6	Gumla	260	2	2	5	10	150	50
7	Simdega	160	2	2	5	10	400	50
8.	Saraikela	125	2	2	2	10	175	75
9.	W. Singhbhum	550	2	2	2	15	160	20

Tentative Target of resource conservation tools under NFSM-Pulses (2013-14)

Sl. No.	District	Knapsack sprayer	Zero till seed drill	Seed drill	Rotavator	Raingun	Pumpsets	Pipe
		Rs.3000/m	Rs1500/0/	Rs1500/0/	Rs3000/	Rs15000/	Rs10000/	Rs15000/
10	Ranchi	50	2	2	2	6	75	20
11	Khunti	75	2	2	2	6	25	15
12	Hazaribagh	150	2	2	8	8	125	10
13	Ramgarh	60	2	2	10	10	75	25
14	Giridih	60	2	2	10	10	100	15
15	Dumka	160	6	6	5	10	150	15
16	Pakur	200	2	2	5	10	150	20
17	Sahibganj	200	2	2	5	10	100	35
	Total	3155	49	56	98	209	2510	605

Cluster Demonstration

- Conducted at farmers field to create awareness about the Improved Practices/ Technologies.
- Fields is divided in two parts, improved and farmer's practices.
- Site should be easily accessible for the Farmers/ Extension workers.
- It should not be an isolated field.
- Site should be the representative of soil types and soil fertility status of the areas.

Cluster Demonstration

- Technologies to be demonstrated should be finalized in consultation with SAU /KVK Scientists.
- Input kit should be distributed among the beneficiaries well in advance.
- A training Programme Prior to conducting demonstration be conducted.
- Procedures to be followed should be briefed.
- District level monitoring should be closely done throughout season

Display board

A display board should be fixed in the demonstration plot containing the following informations

- Name of Project :
- Name of Farmer :
- Name of Village, Block and District :
- Name of crop and variety :
- Date of sowing/ Transplanting :
- Seed rate (Kg/ha) and spacing R x R & P x P
- Fertilizer NPK (Kg/ha) applied :
- Soil ameliorants (q/ha) applied :
- Micronutrients (name) applied (Kg/ha) :
- Date of critical inputs used :

Organization of field day

- A field day should be organized at Peak growth stage of the crop.
- Some relevant literature should be distributed among the Participants.
- Participation of Scientists from SAU /KVK should be ensured.
- Participants queries & scientists replied should be recorded.
- Impact of Demonstration should be accessed.

Site Book

Beneficiary should be Provided a site Book to record the following:

- Crop :
- Variety :
- Date of sowing :
- Date of intercultural operations including top dressing:
- Date of application of IPM :
- Inputs used :
 - (a)Seed Kg/ha
 - (b)Fertilizers :
 - Urea Kg/ha
 - DAP..... Kg/ha
 - MOP..... Kg/ha
 - Any other

Site Book

(c) Micronutrients used

Borax Kg/ha

SulphurKg/ha

Any other

(d)Lime / Dolomite/ Basic slag q/ha

(e)Rhizobium culture gm/ha

(f)PSB gm/ha

(g) Blue green Algae (B.G.A.) Kg/ha

(h) Any other items – give (details)

- Date of Irrigation (If needed) :
- Method of irrigation :
- Sources of irrigation :
- Means of irrigation

Site Book

- Date of 50% flowering stage :
- Date of harvesting :
- Date of threshing & Winnowing :
- Yield (q/ha)
 - (a) Grain yield :(q/ha)
 - (b) Straw yield : (q/ha)
- Percentage yield increase over farmer's practice :
- Total mandays engagement of the farmers/laboures :
- Expenditure in land preparation, sowing and any other unseen expenditure :
- Total cost of cultivation (Rs/ha) :

Site Book

- Gross return (Rs/ha)
- Net return (Rs/ha) :
- Any other additional information :
- Opinion of the beneficiaries :
- Date of field day organised and opinion of the visiting farmers :
- Datewise number of farmers visited the demonstration plot and their view :
- Finding & Conclusion :
- Farmers passport size photo :

Format for Selection of beneficiary for conducting Cluster Demonstration* under NFSM – Rice/Pulses/A3P

District

Block

Crop

Technology

Sl.No	Name of beneficiary	Father's/ Husband Name	Category ST/Sc/General/ Women	Panchayat	Village	Area (ha.)	Demonstration under NFSM conducted during previous years	Remarks
1	2	3	4	5	6	7	8	9

*Certified that such technologies is not practiced in these field

Signature

Declaration

I certified that(Organization name) is interested to take part in the (scheme/ schemes) of NHM/ NFSM/ NMMI/ NVI/ BGREI/ INSIMP/ demonstrations/ beneficiary selection/ site selection and other instruction given to my organization. My organization will submit the report as per the prescribed format by 15th April 2013.

I will be responsible for any discrepancy of the data provided by me; delay in the submission of required data etc regarding this organization, then my organization will not be liable for any claim.

Date:

(Signature)

Thank You