

FOOD AND NUTRITION SECURITY (FNS) NATIONAL LEVEL MONITORING TEAM (NLMT) REPORT



STATE-CHHATTISGARH

NLMT-KHARIF : 2022



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ABBREVIATIONS

1. AICRP-All India Coordinated Research Project
2. CDDs- Crop Development Directorates
3. CSBD-Cropping System Based Demonstration
4. CSS- Central Sponsored Schemes
5. DES- Directorate of Economics and Statistics
6. DFSMEC-District Food Security Mission Executive Committee
7. FLD-Front Line Demonstration
8. HYV-High Yielding Varieties
9. ICAR-Indian Council of Agricultural Research
10. IPM-Integrated Pest Management
11. KVK- KrishiVigyan Kendra
12. NDC-National Development Council
13. NFSM-National Food Security Mission
14. NFSMEC-National Food Security Mission Executive Committee
15. NLMT-National Level Monitoring Team
16. NSC- National Seed Cooperation
17. RCT-Resource Conservation Technology
18. SAUs-State Agriculture University
19. SDA- State Department of Agriculture
20. SFSMEC-State Food Security Mission Executive Committee

PREFACE

The Government of India, Department of Agriculture and Farmers Welfare, Ministry of Agriculture & Farmers Welfare is sponsoring implementing agriculture development scheme/programme of Food & Nutrition Security (erstwhile- NFSM). National Food Security Mission programme which is now renamed as Food & Nutrition Security under Krishionnati Yojana from 2022-23.

To effective monitoring implementation at the field level, the Ministry has provisioned a National Level Monitoring Team (NLMT) under the Food & Nutrition Security-FNS Erstwhile-National Food Security Mission (*FNS-Rice, Wheat, Pulses, Coarse Cereals, Nutri-cereals and Commercial Crops*). Accordingly, the NLMT for Chhattisgarh comprised of the Joint Director, (Directorate of Pulses Development, GoI, Bhopal), State Mission Director (NFSM), 01 Principal Scientists, 02 Senior Scientist SAUs and 02 Joint Directors, Govt. of Chhattisgarh as Nodal Officer. Shri. Sarju Pallearwar, Statistical Investigator from Directorate of Pulses Development had also accompanied with Joint Director of DPD.

The Terms of Reference of NLMT suggests mandatory monitoring once in each crop season; to conduct in-depth inspection of the executed activities in consonance to Mission's mandate and approved action plan, Local Initiatives; quantitative and qualitative achievements and impact of the Transfer of Technology (ToT) delivery mechanism in totality taking under the NFSM Scheme in district into consideration and providing observations and suggestions/recommendations for further necessary corrections (ATR) at the level of State Govt./State Stake-holders for better implementation of the Mission and desired mandated outcome.

The Team visited the State from *October, 17th to 19th 2022* in 03 districts of the Chhattisgarh (Rajnandgaon, Kabirdham & Mungeli) and interacted with representative District Agriculture Officers and Progressing farmers through field visit. The Team also interacted with the farmers individually in the field and by organizing/participating in *Kisan Gosthies*. *The report has tried to capture the impact of Food & Nutrition Security implementation during current year as well as last five years of programme implementation.*

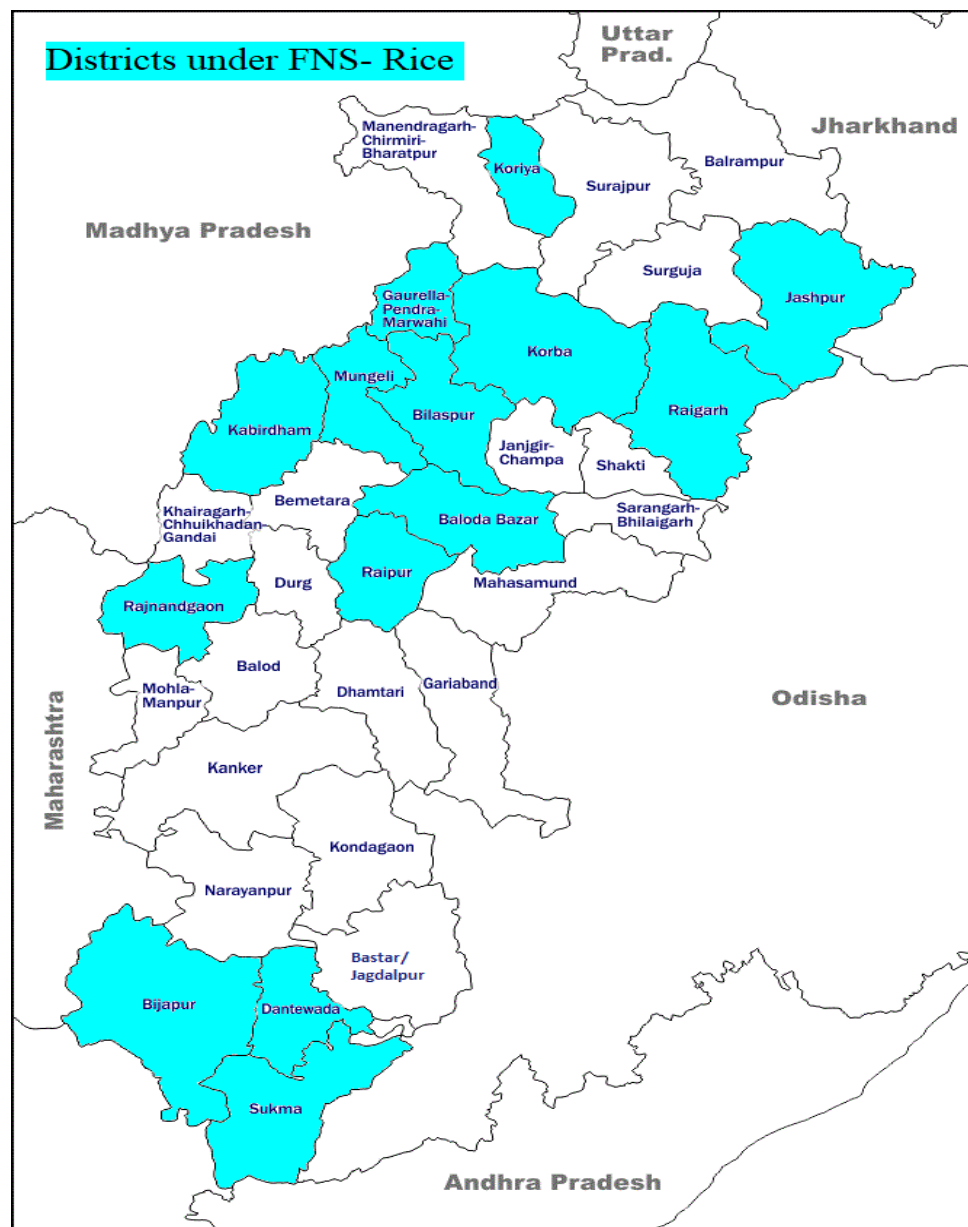
I am thankful to Director Agriculture & Mission Director FNS (erstwhile-NFSM), Govt. of Chhattisgarh for coordinating and facilitating the field visit. I am also thankful to all the Team Members for their active participation and constructive suggestions & action points.

I acknowledge the contribution of the technical officers of this Directorate, Shri Sarju Pallearwar, Statistical Investigator and Dr. Ashwini Tikle, Technical Assistant in bringing out the report.

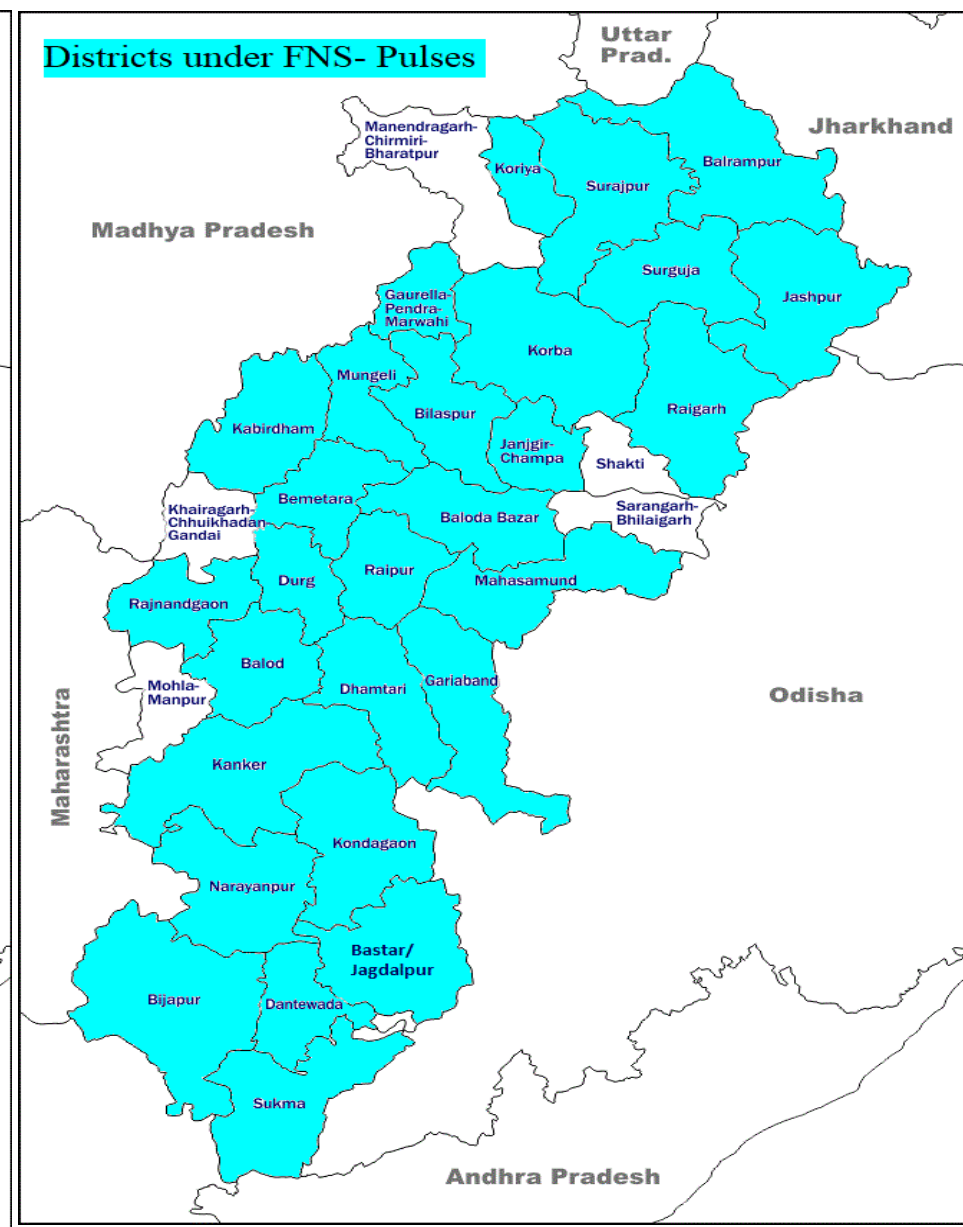
**Bhopal (M.P.)
December, 2022**

**(Vipin Kumar)
Joint Director/Representing Convener**

DISTRICTS UNDER FOOD & NUTRITION SECURITY MISSION OF CG STATE

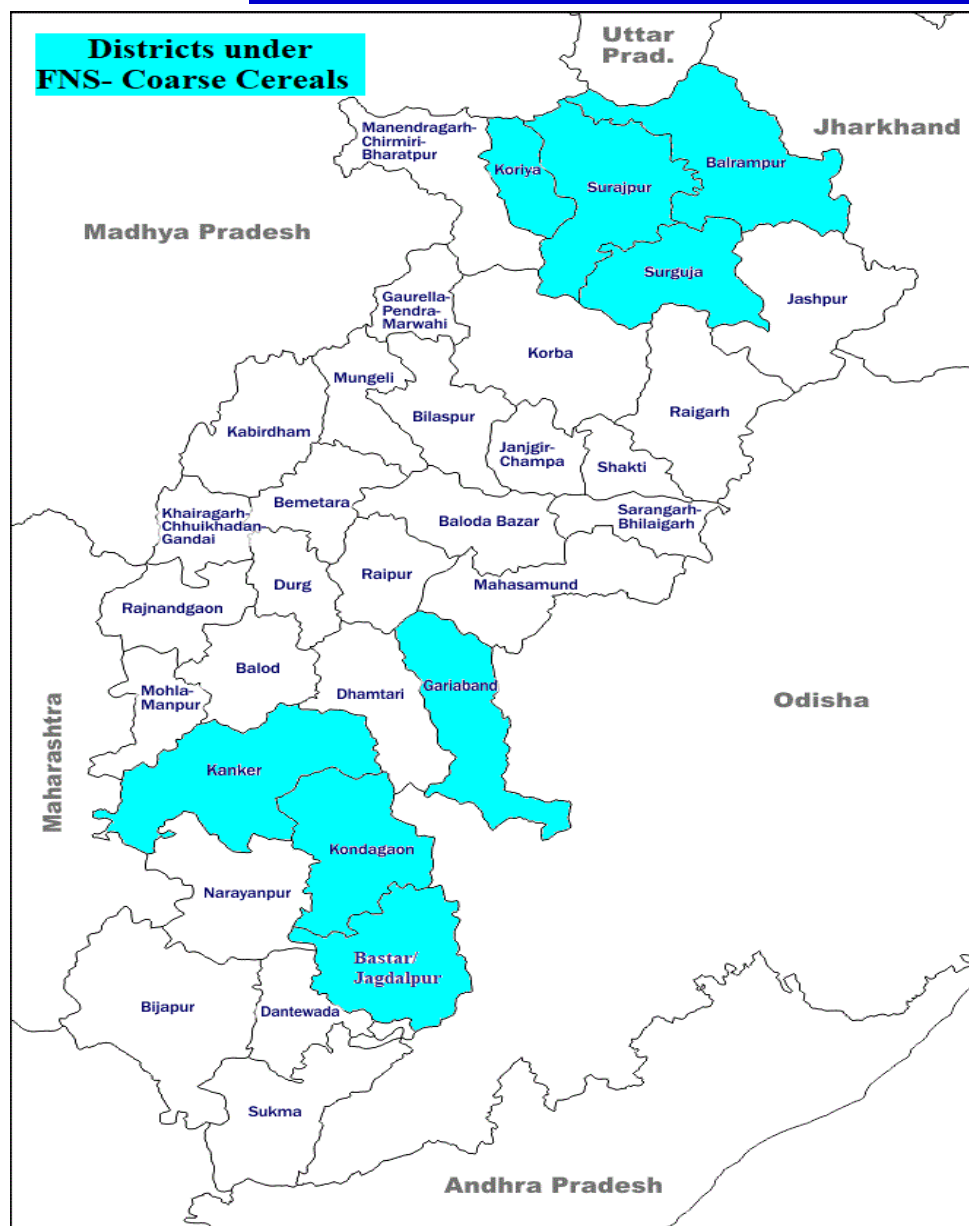


Rice - 14 Districts under Food & Nutrition Security

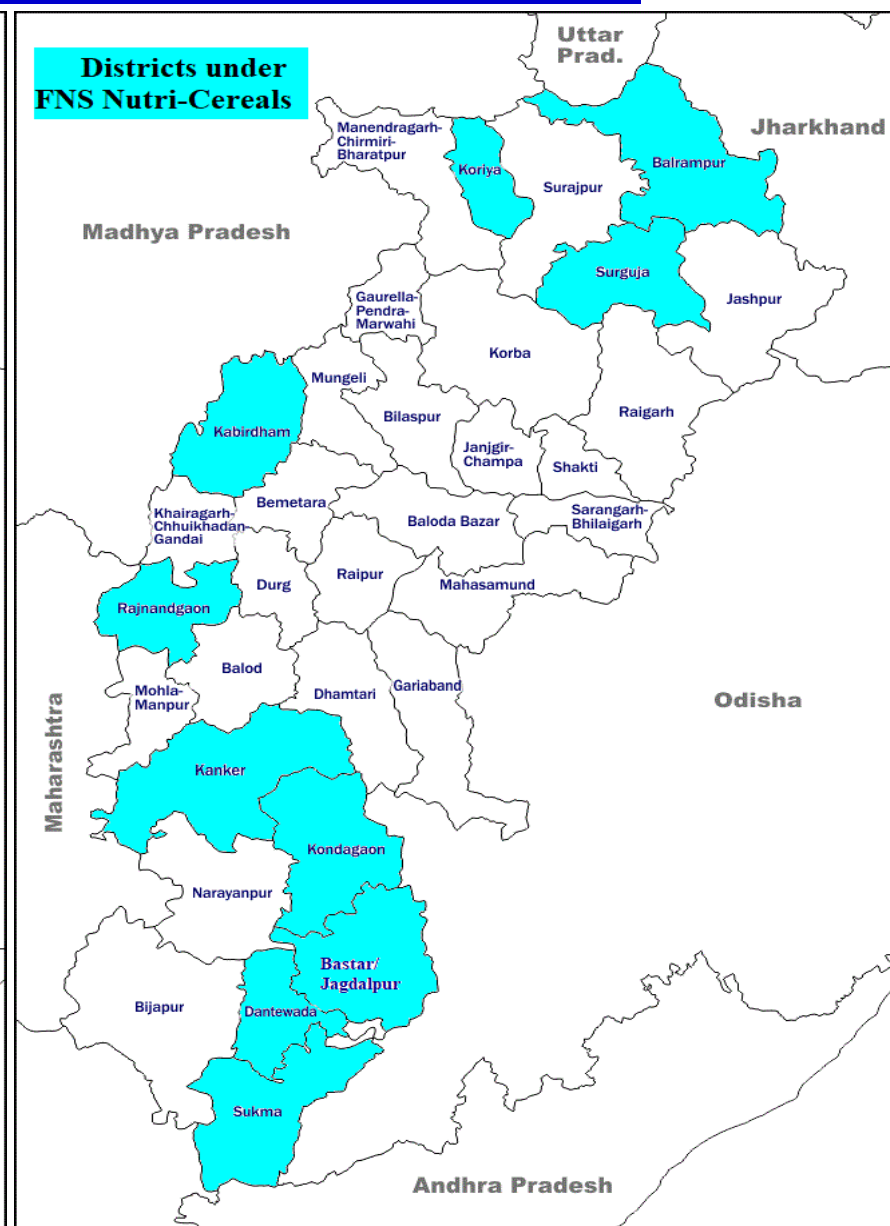


Pulses – 28 Districts under Food & Nutrition Security

DISTRICTS UNDER FOOD & NUTRITION SECURITY MISSION OF CG STATE



Coarse Cereals – 08 Districts under Food & Nutrition Security



Nutri-Cereals – 10 Districts under Food & Nutrition Security

**REPORT OF NATIONAL LEVEL MONITORING TEAM (KHARIF-2022) TO REVIEW
THE IMPLEMENTATION OF FOOD & NUTRITION SECURITY
(ERSTWHILE-NATIONAL FOOD SECURITY MISSION) IN CHHATTISGARH STATE**

1. NFSM: Background

1.1 National Food Security Mission was launched in 2007-08 to increase the production of Rice, Wheat and Pulses by 10, 8 and 2 million tonnes respectively by the end of the 11th Plan through area expansion and productivity enhancement; restoring soil fertility and productivity; creating employment opportunities and enhancing the farm level economy.

1.2 The Mission continued during 12th Five Year Plan with new targets of additional production of food grains of 25 million tonnes of food grains *i.e.* from 259.29 MT to 284.29 MT over the base year of 11th Plan (*i.e.* 2011-12) comprising Rice-10 million tonnes, Wheat -08 million tonnes, Pulses - 04 million tonnes & Coarse Cereals-03 million tonnes and targeted to achieve at the end of 12th Plan (2016-17).

NFSM Components-Wise Additional Production Target and Achievements

(Unit-Production in MT)

NFSM Component	11 th Plan (2007-08 to 2011-12)			12 th Plan (2012-13 to 2016-17)			Co-Terminus year 2017-18 to 2019-20		
	T	A	Production 2006-07 (BY) to 2011-12	T	A	Production 2011-12 (BY) to 2016-17	T	A	Production 2016-17 (BY) to 2019-20
Rice	10	12	93 to 105	10	04	105 to 110	05	09	110 to 119
Wheat	08	19	76 to 95	08	04	95 to 99	03	09	99 to 108
Pulses	02	03	14 to 17	04	06	17 to 23	03	-0.11	23.13 to 23.03
Coarse Cereals	Nil	08	34 to 42	03	02	42 to 44	02	4	44 to 48
Tot.FG	20	42	217 to 259	25	16	259 to 275	13	22	275 to 298

Note: BY- Base Year FG- Food Grain

Source: DES, Ministry of Agri. & FW (DA&FW), Govt. of India.

1.3 During 2016-17, the final estimate recorded a total foodgrains production of 275.11 MT comprising Rice (109.70 MT), Wheat (98.51 MT), Pulses (23.13 MT) and Coarse Cereals (44.77 MT). An Additional increase of 4.40, 3.63, 6.04 and 1.76 million tonnes under Rice, Wheat, Pulses and Coarse-cereals respectively. Increase in per hectare yield of Coarse cereals was 294 kg/ha (1590 kg to 1750 kg/ha), Rice was 101 kg/ha (2393 kg to 2494 kg/ha), Pulses was 87 kg (699 kg to 786 kg/ha) while increase in Wheat was by 23 kg (3177 kg to 3200 kg/ha).

1.4 Based on the performance of 12th Plan, it was decided to continue the programme beyond 12th plan (2017-18 to 2019-20) with new targets to achieve 13 million tonnes of additional foodgrains production comprising of Rice-5 million tonnes, Wheat-3 million tonnes, Pulses-3 million tonnes and Nutri-cum-Coarse cereals-2 million tonnes by 2019-20 with an added objective to enhance post-harvest value addition at farm gate for better price realization to farmers through efficient market linkages on the back drop of doubling the farmers income.

1.5 During 2019-20, the final estimate recorded a total foodgrains production of 297.50 MT comprising Rice (118.87 MT), Wheat (107.86 MT), Pulses (23.03 MT) and Coarse Cereals (47.75 MT). An Additional increase of 9.17, 9.35 and 3.98 million tonnes under rice, wheat, and coarse-cereals was recorded, whereas the less production was observed in pulses by 0.11 million tonnes over the target. Increase in yield of coarse cereals was 240 kg/ha (1750 kg to 1991 kg/ha), wheat by 240 kg (3200 kg to 3440 kg/ha), and rice was 229 kg/ha (2494 kg to 2722 kg/ha) while increase in pulses was 37 kg (786 kg to 823 kg/ha).

1.6 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; (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 Expenditure Finance Committee (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-Sub Mission on Nutri-Cereals; (vi) NFSM-Commercial Crops; (vii) NFSM-Oilseeds and Oilpalm; and (viii) NFSM-Seed Village Programme and covered under the Operational Guidelines are for NFSM-Foodgrains, Commercial Crops, Oilseeds and Oilpalm, Seed Village Programme and Sub Mission on Nutri-cereals.

1.6.1 The programme is being implemented on 60:40 sharing basis between Government of India (GOI) and state government in general states and 90:10 sharing basis for North Eastern states, Hilly states, states and 100% for Union Territories. As per the operational guidelines of NFSM, at least 30% of allocation is made for women farmers, 33% allocation of the fund is made for small and marginal farmers. In accordance with the decision of the Government of India regarding implementation of Special Component Plan (SCP) for Scheduled Castes and Tribal Sub-Plan (TSP) for Scheduled Tribes, 16% of the total allocation for SCP and 8% for TSP is earmarked. However, States are allowed to make allocation to SC/ST farmers in proportionate to their population in the States/districts.

1.6.2 Currently, FNS (erstwhile-NFSM) is being implemented in identified districts of 28 states & 2 Union Territories (UTs-J&K, Ladakh) in the country. NFSM-Rice in 194 districts of 24 states & UT of Jammu & Kashmir, FNS-Wheat in 126 districts of 10 states & 2 UTs, FNS-Pulses in 644 districts of 28 states & 2 UTs and FNS-Coarse Cereals in 269 districts of 26 states & 1 UT of J&K . FNS-Nutri-Cereals is being implemented in 212 districts of 14 states. FNS-Commercial Crops, Cotton is implemented in 15 states, Jute in 9 states and Sugarcane in 13 states of the country.

1.6.3 The total Food & Nutrition Security (FNS), erstwhile-National Food Security Mission (NFSM) allocation during 2022-23 for Chhattisgarh is 156.26 Cr. with a Central share of Rs. 93.75 Cr and State's share of Rs. 62.50 Cr including the pending liability of 2021-22 under FNS- Pulses and TRFA-Pulses.

FNS-CROPS	BUDGET SHARE
Pulses	Rs. 52.56 Cr (Central Rs. 31.53 Cr + State- Rs. 21.02 Cr)
Rice	Rs. 10.30 Cr (Central- Rs. 6.18 Cr + State- Rs. 4.12 Cr)
Coarse Cereals	Rs. 1.32 Cr (Central- Rs. 0.79 Cr + State- Rs. 0.53 Cr)
Nutri-cereals	Rs. 4.25 Cr (Central - Rs. 2.55 Cr + State-Rs. 1.70 Cr)
TRFA-Pulses	Rs. 79.50 Cr (Central - Rs. 47.70 Cr + State-Rs. 31.80 Cr)
TRFA-Oilseeds	Rs. 8.33 Cr (Central - Rs. 5.00 Cr + State-Rs. 3.33 Cr)

- 1.6.4 The strategy of the Mission is to promote and extend improved technologies of package of practices of crops through various types of demonstrations (FLDs/Cluster FLDs), distribution of HYVs/Hybrid seeds, production of seeds, distribution of micro-nutrients/soil ameliorants/bio-fertilizers, plant protection chemicals/bio-pesticides, improved resource management tools/machineries/implements, efficient water application devices, capacity building of farmers and local initiatives; award for best performing states etc. From the year 2020-21, primary processing units/small storage bins/flexibility interventions has been added as per local requirement.
- 1.6.5 To achieve the above objectives, the Mission adopted following strategies: i) Focus on low productivity and high potential districts including cultivation of foodgrain crops in rainfed areas ii) Focus on pulse production through utilization of rice fallow, rice bunds and intercropping of pulses with coarse cereals, oilseeds and commercial crops iii) Implementation of cropping system centric interventions in a Mission mode approach through active engagement of all the stakeholders at various levels iv) Agro-climatic zone wise planning and cluster approach demonstrations, further 30% of total demonstrations would be Cropping System Based Demonstration (CSBD) with technical backstopping of ICAR/State Agricultural Universities (SAUs).
- 1.6.6 Special emphasis has also given by targeting reclamation of problematic soils, water logging areas and mitigation of adverse effects of climate change for high productivity areas, value chain integration (FPOs) and assistance to Custom Hiring Centre (CHCs).
- 1.6.7 To ensure equity, of the total budgetary allocation to a district proportionate expenditure under Special Component Plan (SCP) for SCs, Tribal Sub Plan (TSP) – SMF and Women farmers at 16%, 8%, 33% and 30% respectively is mandatory.
- 1.6.8 Strengthening of infrastructure at ICAR/SAUs/ATARI/KVKs by *Breeder Seed Production Programme, Seed hubs, Establishment/Strengthening of Bio-fertilizer & Bio-control production units & Cluster Front Line Demonstrations.*

2. Area of Operation: 2022-23

Commodities	All India		Chhattisgarh	
	No. of States+UTs	No. of Distt. (States+UTs)	(No. of districts)	(Name of districts)
FNS-Pulse (All Districts)	28+2 (J&K, Ladakh)	644 = 638+28	28	All Districts
FNS -Rice	24 + 01 (J&K)	194 = 185+09	14	Balodabazar, Bijapur, Bilaspur, Dantewada, GPM, Jashpur, Kabirdham, Korba, Koriya, Mungeli, Raipur, Rajnandgaon, Raigarh, Sukma
FNS -Coarse Cereals	26 + 01	269 = 247+22	08	Jagdalpur, Balrampur, Kondagaon, Sarguja, Kanker, Koriya, Surajpur, Gariyaband
FNS -Nutri Cereals	14	212	10	Balrampur, Dantewada, Jagdalpur, Kabirdham, Kanker Kondagaon, Koriya, Rajnandgaon, Sarguja, Sukma

3. Present NLMT- Composition of NLMT for Chhattisgarh State

Name	Organization
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Shri. B.K. Bijronia Joint Director (Agriculture) / Member	SAMETI, Govt. of Chhattisgarh Krishak Nagar, Labhandi, Raipur, Chhattisgarh Email- directorsameticg@gmail.com

4. Land Use Classification & Basic Details of CG State (2021-22)

Particulars		CHHATTISGARH	
Population (Crore)		2.56 (Rural – 1.96, Urban -0.60)	
Density of Population		189 per sq km	
Population Growth (%)		22.61- 2011	
Male		1.28 Crore (50.24 %)	
Female		1.27 Crore (49.76 %)	
Literacy		70.28%	
Male Literacy		80.27%	
Female Literacy		60.24%	
Revenue Divisions		5	
Revenue Districts (Nos.)		33	
Block/ Janpad Panchayat (Nos.)		146	
Village Panchayat (Nos.)		11664	
Tehsil (Nos.)		177	
Total Village (Nos.)		20619	
Krishi Upaj Mandi (Nos.)		73	
Annual Rainfall (Ave.)		1255 mm	
Land Use Pattern (Area : lakh ha)		Agricultural land use (Area -lakh ha)	
Geographical Area	140.45	Net sown area	46.23
Cultivable area	57.12 (41%)	Double Cropped Area	10.90
Forest area	65.69 (47%)	Gross cropped area	57.12
Land under non-agricultural use	7.51 (5%)	Kharif Area	43.48
Permanent pastures	8.95 (6%)	Rabi Area	7.59
Cultivable wasteland	3.61 (3%)	Cropping Intensity	124%
Barren and uncultivable land	2.88 (2%)		
Current fallows	3.01 (2%)		
Operational Land Holding (Area: lakh ha, Number- lakh)			
Average Size of Social Groups	Average Size (ha)	Numbers (%)	Area (%)
Marginal (< 1 ha)	0.43	24.34 (61%)	10.40 (21%)
Small (1 to 02 ha)	1.41	8.79 (22%)	12.38 (25%)
Semi Medium (02 to 04 ha)	2.67	4.93 (12%)	13.16 (26%)
Medium (04 to 10 ha)	5.67	1.81 (5%)	10.26 (21%)
Large (10 ha & Above)	16.10	0.23 (1%)	3.72 (7%)
Total	1.24	40.11	49.92
Irrigation (lakh ha)		Sources of Irrigation (A : lakh ha)	
Net irrigated area	15.99	Canals	9.74 (45%)
Gross irrigated area	21.41	Tanks	0.27 (1%)
Rainfed area	39%	Open wells	0.16 (1%)
		Bore /Tube-Wells	10.64 (50%)
		Other Sources	0.60 (3%)
		Total Irrigated Area	21.41
Major Soils (Area - lakh ha)			
Alluvial Soil (Kacchar)	1.38 (2.7%)	Inceptisols (Matasi)	13.54 (26.9%)
Entisols (Bhata)	10.02 (20%)	Vertisols (Kanhra)	11.43 (22.8%)
Alfisols (Dorsa)	13.82 (27 %)	Land Classif. Total	50.19
Major crops			
Kharif	Paddy, Pigeonpea, Soybean, Maize, Mung, Urd, Kulthi		
Rabi	Wheat, Gram, Mustard, Safflower, Lathyrus, Field Pea, Lentil, Linseed, Groundnut		

Source: <http://censusindia.gov.in/2011census/census>, ENVIS, Centre of CG State)

5. Crop Coverage (Season-wise Achievement & Target : 2021-22)

(Area-Lakh ha, Production-Lakh tonnes, Yield-kg/ha)

S. No.	Crop	Season	Area	Production		Yield	% Achiev. in production
				Target	Achievement		
CEREALS							
1	Paddy	Kharif	37.59	70.99	76.19	2027	107
2	Wheat	Rabi	1.59	1.50	2.38	1494	159
3	Jowar	Kharif	0.01	0.02	0.02	1279	82
4	Bajra	Kharif	0.0007		0.0004	515	
5	Maize	Kharif	1.31	3.30	3.94	3017	119
6	Ragi	Kharif	0.03		0.01	299	
7	Small Millets	Kharif	0.53	0.40	0.26	499	66
8	Barley	Rabi	0.01	0.05	0.01	820	12
Total Cereals		Kharif	39.47	74.71	80.43	2037	108
		Rabi	1.60	1.55	2.38	1491	154
		Total	41.07	76.26	82.81	2016	109
PULSES							
1	Tur	Kharif	0.48	0.50	0.25	530	51
2	Gram	Rabi	3.38	3.50	3.04	900	87
3	Urdbean	Kharif	0.67	0.40	0.25	368	62
		Rabi	0.02	0.03	0.01	305	20
		Total	0.69	0.43	0.25	366	59
4	Mungbean	Kharif	0.03	0.15	0.01	443	10
		Rabi	0.02	0.03	0.01	337	19
		Total	0.05	0.18	0.02	408	11
5	Lentil	Rabi	0.15		0.06	365	
6	Other Pulses	Kharif	0.24	0.12	0.10	410	82
7	Other Pulses	Rabi	1.89	1.90	1.16	611	61
Total Pulses		Kharif	1.43	1.17	0.61	431	53
		Rabi	5.46	5.46	4.26	781	78
		Total	6.89	6.63	4.88	708	74
Total Foodgrain		Kharif	40.90	75.88	81.04	1981	107
		Rabi	7.06	7.01	6.65	942	95
		Total	47.96	82.89	87.69	1828	106
OILSEEDS							
1	Groundnut	Kharif	0.22	0.50	0.38	1725	77
2	Sesamum	Kharif	0.16	0.10	0.05	291	46
3	Nigerseed	Kharif	0.21	0.16	0.05	213	29
4	Soybean	Kharif	0.50	0.75	0.32	635	42
6	Rapeseed & Mustard	Rabi	0.33	0.30	0.17	507	56
7	Linseed	Rabi	0.12	0.10	0.04	338	39
8	Others	Kharif	0.004	0.01	0.002	374	16
Total Oilseeds		Kharif	1.10	1.52	0.79	724	52
		Rabi	0.45	0.40	0.21	464	52
		Total	1.54	1.92	1.00	648	52
COMMERCIAL CROPS							
D.	Sugarcane		0.33	17.00	18.91	56960	111
E.	Mesta		0.01		0.01	368	

Source: DES, GoI, Ministry of Agri. & FW (DA&FW).

6. CROP DIVERSION DURING 2021-22 OVER NORMAL (2016-17 to 2020-21)

The comparative analysis/crop diversion analysis shows an increasing trend in area (Maize, only) in production and productivity (Paddy, Maize, Small Millets) in CG State.

Crop diversion from Pulses and Oilseed to Coarse Cereals is seen in CG state.

6.1 KHARIF CROPS

(Area-Lakh ha, Production-Lakh tonnes, Yield-kg/ha)

S.No.	Crops	State/ AI	Normal (2016-17 to 2020-21)			2021-22*			Increase/decrease over Normal		
			A	P	Y	A	P	Y	A	P	Y
A.	Cereals										
1	Paddy	CG	37.31	66.88	1793	37.59	76.19	2027	1	14	13
		AI	397.06	1005.93	2533	410.48	1110.37	2705	3	10	7
2	Jowar	CG	0.03	0.04	1268	0.01	0.02	1279	-61	-61	1
		AI	18.54	19.31	1042	14.64	15.69	1072	-21	-19	3
3	Maize	CG	1.23	3.25	2644	1.31	3.94	3017	6	21	14
		AI	75.83	198.87	2623	79.88	226.49	2835	5	14	8
4	Ragi	CG	0.06	0.01	248	0.03	0.01	299	-42	-31	20
		AI	10.53	16.72	1588	11.75	16.41	1397	12	-2	-12
5	Small millet	CG	0.83	0.23	281	0.53	0.26	499	-36	14	78
		AI	5.04	3.86	766	4.01	3.55	885	-20	-8	16
6	Kha. Coarse Cereals	CG	2.15	3.53	1646	1.88	4.23	2246	-12	20	36
		AI	184.42	336.43	1824	176.92	356.38	2014	-4	6	10
Total Cereals		CG	39.46	70.42	1785	39.47	80.43	2037	0.05	14	14
		AI	581.48	1342.36	2309	587.41	1466.75	2497	1	9	8
B.	Pulses										
1	Arhar	CG	0.58	0.33	576	0.48	0.25	530	-17	-23	-8
		AI	47.17	41.37	877	49.14	43.50	885	4	5	1
2	Urd	CG	0.85	0.28	335	0.67	0.25	368	-21	-13	10
		AI	38.94	20.25	520	36.28	17.99	496	-7	-11	-5
3	Moong	CG	0.08	0.03	456	0.03	0.01	443	-56	-57	-3
		AI	35.61	17.37	488	38.34	14.80	386	8	-15	-21
*Total Kha. Pulses		CG	1.89	0.80	425	1.43	0.61	431	-24	-23	2
		AI	140.18	87.04	621	141.03	82.50	585	1	-5	-6
*Total Kharif Pulses incl.(Kulthi, Mothbean & Other Pulses)											
C.	Oilseed										
1	Soybean	CG	0.87	0.63	724	0.50	0.32	635	-43	-50	-12
		AI	115.51	122.39	1060	122.65	138.28	1127	6	13	6
2	G.Nut	CG	0.25	0.39	1563	0.22	0.38	1725	-10	-1	10
		AI	44.37	71.89	1620	48.90	83.67	1711	10	16	6
3	Sesamum	CG	0.19	0.07	386	0.16	0.05	291	-17	-38	-25
		AI	16.02	7.33	458	15.83	8.57	542	-1	17	18
4	Niger/ Ramtil	CG	0.55	0.11	192	0.21	0.05	213	-61	-57	11
		AI	1.80	0.57	316	1.07	0.36	339	-40	-36	7
Total Kha. Oilseeds		CG	1.85	1.19	644	1.10	0.79	724	-41	-34	12
		AI	187.64	218.33	1164	198.05	247.07	1248	6	13	7
*Total Kharif Oilseeds include Castor, Safflower Sunflower and Other Kh. Oilseeds.											

Source: DES, GoI, Normal (2016-17 to 2020-21); 2021-22* - IIIrd Advance Estimate.

6.2 RABI CROPS

The comparative analysis/crop diversion analysis shows an increasing trend in area (Wheat, Gram, Lentil & Sugarcane) in production and productivity (Wheat, Mung, Gram, Lentil & Sugarcane) in CG State.

Crop diversion from Oilseed to Cereals, Pulses & Commercial Crops (Sugarcane) is seen in CG state

(Area-Lakh ha, Production-Lakh tonnes, Yield-kg/ha)

S. No.	Crops	State /AI	Normal (2016-17 to 2020-21)			2021-22*			Increase/decrease over Normal		
			A	P	Y	A	P	Y	A	P	Y
A.	Cereals										
1	Wheat	CG	1.18	1.63	1381	1.59	2.38	1494	35	46	8
		AI	304.47	1038.85	3412	305.44	1064.13	3484	0.3	2	2
2	Barley	CG	0.02	0.02	842	0.01	0.01	820	-62	-63	-3
		AI	6.15	17.08	2777	5.42	15.87	2930	-12	-7	5
Total Rabi Cereals		CG	1.20	1.65	1373	1.60	2.38	1491	33	45	9
		AI	404.79	1326.58	3277	407.63	1400.93	3437	1	6	5
Coarse Cereals included in Total Rabi Cereals											
B.	Pulses										
1	Urd	CG	0.05	0.01	287	0.02	0.01	305	-57	-55	6
		AI	9.13	7.14	782	10.07	9.60	953	10	34	22
2	Mung	CG	0.06	0.02	304	0.02	0.01	337	-73	-70	11
		AI	10.46	7.11	680	17.52	13.66	780	67	92	15
4	Gram	CG	3.26	2.73	838	3.38	3.04	900	4	11	7
		AI	98.86	107.37	1086	111.97	139.83	1249	13	30	15
5	Lentil	CG	0.15	0.05	365	0.15	0.06	365	5	5	0.1
		AI	14.29	13.34	934	14.34	14.44	1007	0.4	8	8
6	Other Rabi Pulses	CG	2.24	1.45	646	1.89	1.16	611	-16	-20	-5
		AI	17.45	16.22	930	17.49	17.44	998	0.2	8	7
*Total Rabi Pulses		CG	5.76	4.27	741	5.46	4.26	781	-5	-0.1	5
		AI	150.19	151.18	1007	171.39	194.97	1138	14	29	13
*Total Rabi Pulses include Pea, Lathyrus and other pulses											
C.	Oilseeds										
1	Rapeseed /Mustard	CG	0.42	0.18	427	0.33	0.17	507	-21	-6	19
		AI	63.46	89.87	1416	77.22	117.54	1522	22	31	7
2	Linseed	CG	0.20	0.06	301	0.12	0.04	338	-44	-37	12
		AI	2.36	1.38	585	1.95	1.30	666	-17	-6	14
*Total Rabi Oilseeds		CG	0.63	0.24	386	0.45	0.21	464	-29	-15	20
		AI	75.26	108.51	1442	89.57	137.91	1540	19	27	7
Total Rabi Oilseeds include Safflower, Sunflower, Rabi Groundnut											
D.	Commercial Crops										
1	Sugarcane	CG	0.29	13.95	48303	0.33	18.91	56960	15	36	18
		AI	47.38	3734.58	78829	50.98	4304.99	84443	8	15	7
2	Mesta	CG	0.01	0.02	343	0.01	0.01	368	-40	-36	7
		AI	0.48	4.26	1607	0.43	4.06	1714	-11	-5	7

Source: DES, GoI, Normal (2016-17 to 2020-21); 2021-22* - IIIrd Advance Estimate.

6.3 SPRING/SUMMER CROP COVERAGE: 2021-22

- The State's total target under spring/summer crops area is **1.76 Lha** including 0.71 Lha in total cereals (Maize), 0.45 Lha in total pulses (Mung & Urd) and 0.60 Lha in total oilseeds (Sunflower, Sesame & Groundnut).
- The total spring/summer crop coverage during 2022 is **2.21 Lakh ha** in the state, which is 126% (+ 0.45 Lha) higher than the targeted area.

(Unit-Lakh ha)

S. No.	Crop	Target Area 2022 (SDA)	Achievement		% Change over	
			2021-22	2020-21	Target	Last Year
1	Paddy	0.00	1.010	1.800	-	- 44
2	Maize	0.71	0.520	0.410	-27	27
	Total Cereal	0.71	1.530	2.210	115	-31
3	Moong	0.25	0.160	0.170	-36	-6
4	Urd	0.20	0.190	0.150	-5	27
	Total Pulses	0.45	0.350	0.320	-22	9
5	Sunflower	0.10	0.040	0.050	-60	-20
6	Sesamum	0.10	0.020	0.030	-80	-33
7	Groundnut	0.40	0.270	0.280	-33	-4
	Total Oilseeds	0.60	0.330	0.360	-45	-8
	Total	1.76	2.210	2.890	26	-24

Source: State Department of Agriculture, Govt. of CG.

6.4 KHARIF CROP COVERAGE DURING- 2022

(Area- Lakh ha)

S. No.	Crop	Target-2022 (SDA)	Normal Area	Area Covered (SDA)		% coverage over	
				2022	2021	Normal	Target
1	Paddy	33.61	37.31	36.993	37.732	99	110
2	Small Millets	1.47	0.89	1.238	0.781	140	84
3	Maize	3.14	1.23	2.238	2.186	182	71
	Total Cereals	38.21	39.46	40.469	40.698	103	106
5	Red Gram	1.70	0.58	1.232	1.089	214	72
6	Black Gram	2.10	0.85	1.349	1.300	159	64
7	Green Gram	0.33	0.08	0.168	0.137	220	51
8	Oth. Kh. Pulses	0.35	0.39	0.103	0.202	27	29
	Total Kharif Pulses	4.48	1.89	2.851	2.728	151	64
9	Groundnut	0.72	0.25	0.579	0.500	234	81
10	Soybean	0.70	0.87	0.424	0.504	49	61
11	Sunflower/ Castor	0.05	0.00	0.004	0.004	269	7
12	Sesame	0.43	0.19	0.240	0.252	127	56
13	Niger	0.78	0.55	0.162	0.460	30	21
	Total Oilseed	2.68	1.85	1.409	1.720	76	53
14	Others	2.83	0.05	1.741	1.333	0	62
	Total Kharif	48.20	43.25	46.469	46.480	107	96

Normal Area- DES (Ave. : 2016-17 to 2020-21) SDA: State Department of Agriculture

7. Progress of Crop Development Schemes/Programmes in Chhattisgarh State (Upto March, 2022)

7.1 NFSM : Crop-wise Allocation & Expenditure (2021-22)

The funds of Rs. 5537.77 lakh (Central+ State share) has been utilized against the allocation of Rs. 14996.85 lakh (Central+ State share) under NFSM –Pulses during 2021-22. About **88%** funds has been utilized during this year. Crop-wise NFSM programme performance is not satisfactory this year due to insufficient release of revalidated fund and non release of fresh fund for the year 2021-22. The pending liability under NFSM-Rice, Pulses & Nutri-cereals is noted and will compensate/utilize by 2022-23 fund.

The interventions-wise financial progress of foodgrain (Pulses + Rice + Coarse Cereals + Nutri-Cereals + TRFA-Pulses) during the year has been as 18% under demonstration on improved technology, about 22% under production & distribution of HYV seeds, about 11% under INM & IPM, 9% under resource conservation technology and 8% under local initiatives. The intervention-wise and NFSM Crop-wise details of physical & financial target & achievement is given at **Annexure-1.**

(Rs. in Lakh)

S. No.	Crop	Allocation	Revalidation (CS+SS)	Release (CS+SS)	Total Available Fund (CS+SS)	Expenditure (CS+SS)	% Uti. to TAF	Unspent Balance (As on 01.04.2022)
1	Pulses		4262.93	-	4262.93	4262.93	100	-
2	Rice	1693.40	500.65	-	500.65	923.99	185	-423.34
3	Coarse Cereals	208.80	169.59	-	169.59	169.59	100	-
4	Nutri-Cereals	383.00	181.25	-	181.25	181.25	100	-
5	TRFA -Pulses	6252.73	1181.27	-	1181.27	-	-	1181.27
6	TRFA-Oilseeds	766.67	18.55	-	18.55	-	-	18.55
Total Above		14996.85	6314.24	-	6314.24	5537.77	88	776.48

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

Note : TAF*- Total Available Fund; TRFA – Targeting Rice Fallow Areas

7.2 National Food Security Mission: Physical and Financial Progress (Upto March, 2022)

The Physical and Financial progress during 2021-22 under NFSM (Pulses, Rice, Wheat, Coarse Cereals and Nutri-cereal, TRFA- Pulses & Oilseeds) towards critical interventions are indicated below (Table-8.1, 8.2 & 8.3).

7.2.1 NFSM: PHYSICAL PROGRESS (2021-22)

Component	Pulses (28)			Rice (14)			C. Cereals (08)			Nutri-cereals (10)		
	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	16612	10502	63	6200	6200	100	1740	1740	100	2336	2336	100
Dist. of seeds (qtls)	23884	7413	31	10294	7676	75	628	610	97	2200	929	42
Prod. of seeds (qtls)	19656	6060	31							1915	348	18
INM (ha)	69900	40722	58	27500	12945	47	7178	4918	69	7643	7620	100
IPM (ha)	96300	34358	36	26500	19567	74				4539	4240	93
RCT (Nos.)	414791	108170	26	189959	56183	30	36	0.00		5070	3452	68
Total	641143	207225	32	260453	102571	39	9582	7268	76	23703	18925	80

Note: T: Target, A: Achievement; Figures in parenthesis are nos. of districts

7.2.2 NFSM: FINANCIAL PROGRESS (2021-22)

(Fin: Rs. in Lakh)

Component	Pulses (28)			Rice (14)			C. Cereals (08)			Nutri-cereals (10)		
	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	1775.10	630.68	36	678.00	476.97	70	104.40	79.59	76	140.16	62.18	44
Dist. of seeds (qtls)	1021.70	679.41	66	2727.00	18.89	1	62.80	55.00	88	57.45	4.63	8
Prod. of seeds (qtls)	982.80	279.58	28							57.45	4.30	7
INM (ha)	301.00	56.95	19	120.90	45.00	37	31.35	20.00	64	34.75	3.10	9
IPM (ha)	481.50	77.24	16	132.50	73.00	55				22.69	4.56	20
RCT (Nos.)	1130.15	175.14	15	423.12	39.26	9	10.25			70.50	12.48	18
Pre.Yr. Expenditure (2020-21)	2085.40				270.88			15.00			90.00	
Interest Submitted to GoI		278.53										
Total	5692.25	4262.93	75	4081.52	923.99	23	208.80	169.59	81	383.00	181.25	47

Note: T: Target, A: Achievement; Figures in parenthesis are nos. of districts. Intervention/Crop-wise details is at Annex-I.

Crop –wise NFSM Programme Performance (2021-22) :-

- NFSM-PULSES :** The funds of Rs. 5692.25 lakh (CS+ SS) has been utilized against the allocation of Rs. 4262.93 lakh (CS+ SS) under NFSM–Pulses. Overall **75%** fund utilized against the allocation and **100%** against the total available funds during this year. Intervention-wise achievements is satisfactory. About 78% of fund is utilized under distribution of seed (< 10 Yrs), 28% in production of HYV seeds. Godwons and vermi-compost pit construction was taken under Local initiatives and only 23% fund is utilized for the same.
- NFSM-RICE :** The funds of Rs. 923.99 lakh (CS+ SS) has been utilized against the allocation of Rs. 4081.52 lakh (CS+ SS) under NFSM–Rice. About **23%** against the allocation and **185%** against the total available funds has been utilized during this year. Intervention-wise physical & financial achievements is not satisfactory due to insufficient release of revalidate fund and non release of fresh fund for the year 2021-22. Total available fund is utilized under demonstration with 70% and 33% of fund under distribution of seed (< 10Yrs.), 47% of fund under INM & IPM component. Pulses Local Initiatives components also repeated under NFSM-Rice with same norms.
- NFSM-COARSE CEREALS:** The funds of Rs. 169.59 lakh (CS+ SS) has been utilized against the allocation of Rs. 208.80 lakh (CS+ SS) under NFSM–Coarse Cereals. Overall **81%** fund utilize against the allocation and **100%** against the total available fund. Intervention-wise physical & financial achievements is satisfactory. Total available fund is utilized under demonstration with 76% and 88% of fund under distribution of Hybrid maize seed and 64% of fund under INM component.
- NFSM-NUTRI-CEREALS:** The funds of Rs. 181.25 lakh (CS+ SS) has been utilized against the allocation of Rs. 383.00 lakh (CS+ SS) under NFSM–Nutri-Cereals. Intervention-wise physical progress is satisfactory against the target (**80%**), while financial progress (**47%**) is comparatively less over the physical achievements due to release of insufficient of revalidated fund. About 44% of fund is utilized under Cluster Frontline Demonstration, 13% under INM&IPM and 18% under Flexi components.
- NFSM TRFA- PULSES & OILSEED : PHYSICAL & FINANCIAL PROGRESS (2021-22)**
Under TRFA- Pulses & Oilseeds programme only physical progress is done, there is no financial progress over the physical achievements due to non release of fresh fund and insufficient release of revalidated fund for the year 2021-22. The pending liability of both programme will compensate by 2022-23 fund.

7.3 NFSM TRFA Programme: Physical & Financial Progress (2021-22)

(Fin: Rs. in Lakh)

Component	TRFA- Pulses					TRFA- Oilseeds				
	Target		Achievements		% Uti.	Target		Achievements		% Uti.
	Phy.	Fin.	Phy.	Fin.	Phy.	Phy.	Fin.	Phy.	Fin.	Phy.
Demo. (ha)	41393	3725.37	38779	Fin. Progress	94	7601	382.75	5130	-	67
Dist.of seeds (qtls)	6500	325.00	5770	Nil Due to delay fund release by GoI.	89					
Prod. of seeds(qtls)						1125	60.00	625		56
INM (ha)	180000	720.00	144550		80					
IPM (ha)	50000	250.00	41100		82	52000	260.00	43000		83
RCT (Nos.)	220678	1134.36	301765		137	16000	80.00	13180		82
CSBT (Nos.)	700	98.00	490		70					
Contingency & PMT (3%)							6.67			
Pending Liability 2021-22				5700.00					599.47	
Total	499271	6252.73	532454		107	76726	789.42	61935		81

Note: T: Target, A: Achievement; Figures in parenthesis are nos. of districts.

7.4 NFSM : Current Year Allocation, Release & Expenditure (2022)

Progress till November, 2022

(Fin. Unit- Rs. in Lakhs)

S. No.	Crop	Allocation* (incl. Pending Liability)	Revalidation (CS+SS)	Release (CS+SS)	Total Available Fund (CS+SS)	Expenditure (CS+SS)	% Uti. to TAF	Unspent
1	Pulses	5255.54	Not Reported	641.77	641.77	572.89	89	68.88
2	Rice	1029.80		257.45	257.45	208.29	81	49.16
3	Coarse Cereals	132.20		33.05	33.05	29.75	90	3.30
4	Nutri-Cereals	424.92		106.24	106.24	95.45	90	10.79
5	TRFA -Pulses	7949.74		562.43	562.43	475.53	85	86.90
6	TRFA-Oilseeds	833.33		0.00	0.00	0.00		0.00
	Total Above	15625.52		1600.94	1600.94	1381.91	86	219.03

Source: FNS/2022-23/833 & TRFA/2022-23/472 Dated 09.12.2022.

Note: Allocation*- Approved Allocation for the year 2022-23 is **Rs.7237.05 Lakhs** including TRFA-Oilseeds. Pending liability of **Rs. 8388.47 Lakhs** is approved for the year 2022-23 under **(FNS-Pulses -Rs.2688.48 Lakhs), (TRFA-Pulses -Rs. 5699.99 lakhs).**

8. District-wise Monitoring observations

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
Rajnandgaon 17.10.2022	Barbaspur/ Rajnandgaon	NFSM-Rice Hybrid Rice Cluster Demonstration	<ul style="list-style-type: none"> • Hybrid Variety of paddy: JK-90-82 demonstrated. Seed purchased by the farmer from Private seed shop. • Transplanting on 22.7.2022, • No. Of tillers: 20 per hill. • Total beneficiary farmers -35 of Barbaspur and Bijetala Village. • Varietal details not confirmed/The selection of varieties for demonstration is not very perfect. • Stem borer infestation was more than ETL level. • The paddy crop was at grain filling stage. • Team Leader remarked that there should be scientific intervention by KVK Scientists for good results and fertilizer should be applied based on the soil test results. • No cropping system based training was conducted and soil health cards were also not provided to the farmers. • It was suggested to distribute pamphlets describing the method of use of inputs in hindi or in local language along with the inputs supplied in the scheme.
	Bijetala/ Rajnandgaon	NFSM-Rice Hybrid Rice Cluster Demonstration	<ul style="list-style-type: none"> • Hybrid Variety of paddy: Gold 6444 demonstrated. Seed purchased by the farmer from Private seed shop. • Transplanting adopted and vermi compost used. • Date of sowing 10.7.2022. • No. of tillers : 9 per hill.
	Bijetala/ Rajnandgaon	NFSM-Pulses Godown	<ul style="list-style-type: none"> • Beneficiary: Khoman Lal Verma • Year of allotment-2021-22

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
Rajnandgaon 17.10.2022	Bijetala/ Rajnandgaon	NFSM-Pulses Godown	<ul style="list-style-type: none"> • Godown Size: <u>9.40x6.40x4.60 m</u> • Total construction cost: Rs. 4.00 Lakh. • Payment of Subsidy awaited from Deptt.. • Assistance from scheme: Rs. 1.50 Lakh • Utilizing to save the harvested crops as well as inputs.
	Tekapar/ Khairagarh	NFSM-Rice Stress Tolerance (Moisture Stress) Rice Cluster Demonstration	<ul style="list-style-type: none"> • Total beneficiary farmers -43 of Tekapar, Garrapar & Mudpur village. • Variety: <u>CG Zinc Rice-1</u> demonstrated. No. of tillers: 5-6 tillers per hill, line sowing adopted. • Due to un-availability of moisture stress tolerance varieties seed at the time demonstration, CG Zinc Rice-1 variety was demonstrated. • However, the demonstrated rice variety CG Zinc Rice-1 is not a moisture stress tolerant variety. • Arhar variety <u>Rajeev Lochan</u> also taken as bund crop in the programme. • The demonstration was well organised, good crop of Arhar was observed. • It is suggested that the inputs for the management of integrated management of insect pests and diseases should be included and their time of application should be told to the farmers by the RAEO's/District officers.
		Review meeting at District Office with Joint Director Agriculture, DDA, Programme Coordinator/Head- KVK-Rajnandgaon & FNS Project Management Team	<ul style="list-style-type: none"> • Crop cafeteria of intervention of various demonstrations as per region specific is missing and input quantities are not appropriately recommended, full package was not provided under FNS Scheme. • The sincere efforts could not be taken in the process of geo tagging of the demonstrations. • The Team Leader suggested for joint visit of Scientists and Extension

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
Rajnandgaon 17.10.2022			officials in the demonstration fields and farmers feedback about the demonstrations should also be taken for further improvement .
Rajnandgaon 18.10.2022	Sahaspur Dalli / Rajnandgaon	Seed Minikit-Pulses (Lentil var. KM-2)	<ul style="list-style-type: none"> Seed Minikit of Lentil var. KM-2 (Seed kit size 8 kg) under FNS-Pulses has been distributed to the selected beneficiary farmers including women's farmers of the village in the district for Rabi 2022-23.
Kabirdham 18.10.2022	Basin Jhori/ Sahaspur Lohara	Cropping System Based Cluster Demonstrations (CSBD) Paddy-Gram	<ul style="list-style-type: none"> Paddy variety CG Dev Bhog was demonstrated in the cluster of 50 ha area. Demonstration is under CSBD pattern and next crop will be Chickpea RVG-202 proposed in Rabi 2022-23. Total beneficiary farmers -36 Date of sowing 22.6.2022. Line sowing. Nos. of tillers:15-16 per hill. Total area of cluster demonstration 50 ha. Incidence of blast disease was observed. Need based spraying of Hexaconazole was advised.
	Budhwara/ Sahaspur Lohara	Demonstration on Intercropping (Arhar+Soybean)	<ul style="list-style-type: none"> Variety Arhar- Rajeev Lochan+ Soybean- CG Soya-1 demonstrated as intercropping. 1:6 rows of Arhar and Soybean have been sown. Crop performance was good. Pigeon pea variety: erect type should be opted for inter cropping
	Gochhiya (Sahaspur Lohara)	Stress tolerant (Moisture stress) rice demonstration	<ul style="list-style-type: none"> Variety Rajeshwari Var. not appropriate for stress tolerance demonstration as it is moderately tolerance to moistures stress. Date of sowing 15.7.2022. Line sowing adopted

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
Kabirdham 18.10.2022	Bairkh/Bodla	Cluster Demonstration Nutri-cereals (Kodo)	<ul style="list-style-type: none"> Variety <u>Indira Kodo-1</u> has been undertaken in the demonstration. Fair crop conditions. Date of sowing 10.7.2022. No input other than seed has been given by the farmer in the demonstration. As per cafeteria, 15 kg seed/ha has been given to the beneficiary farmer. Seed quantity is 05 kg higher as per the Millet Expert Team Member. Zinc has been given to the beneficiary farmer whereas it is not required for kodo. The demonstration is purely on organic and no chemicals have been applied by the farmers till field visit. Infestation of blight disease.
	Berakh/Bodla	Distribution of seed kit of Rapeseed & Mustard under Special programme of Rapeseed & Mustard through HYVs seed Kits distribution plan during Rabi 2022-23 under NFSM-OS	<ul style="list-style-type: none"> Seed kit of 02 kg Rapeseed & Mustard variety <u>RH-725</u> has been distributed to the selected beneficiary farmers including women's farmers. The Tribal farmers were enthusiastic to receive the seed minikit. During the interaction with the farmers, it was found that they get incidence of aphids in mustard crop. The Tribal farmers were not interested to use the insecticide, hence, the local method of dusting the ash at the initial stage was suggested to minimize the aphid infestation.
Kabirdham 18.10.2022		Review meeting with DDA and Officials	<ul style="list-style-type: none"> The meeting was attended by the field staff of District Kabirdham. Better co-ordination between the State Department of Agriculture & KVK should be there in effective implementation of field level. They were sensitised for the effective implementation of development programme and close linkage with the

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
Kabirdham 18.10.2022		Review meeting with DDA and Officials	<p>scientific institutions for the benefit of farmers.</p> <ul style="list-style-type: none"> • Team reviewed the entire progress of the project and DDA (I/c) Mr. Rakesh Sharma briefed about the CSS and SS schemes physical & financial programmes achievement • Team Leader asked for inclusion of pulse crops in maize and rice based cropping system for sustaining soil health.
Mungeli 19.10.2022	Tarvarpur/ Mungeli	Cropping System Based Cluster Demonstrations (CSBD) Paddy-Gram	<ul style="list-style-type: none"> • Total area of cluster demonstration 100 ha. • Paddy variety-<u>CG Dubraj selection 1</u> undertaken following Gram variety <u>RVG-202</u> for Rabi 2022-23. • No. of tillers: 8 to 11 per hill. • Line sowing adopted.
	Belkhuri/ Pathariya	Cropping System Based Cluster Demonstrations (CSBD) Scented Paddy-Gram	<ul style="list-style-type: none"> • Paddy variety-<u>CG Devbhog</u> undertaken followed by Gram variety <u>RVG-202</u> proposed for Rabi 2022-23. • Total area of demonstration 2 ha. • Line sowing adopted. • Infestation of stem borer.
	Belkhuri/ Pathariya	Seed Minikit-Pulses (Lentil var. Kota Masoor-2 and RKL-1420, L-4727) (Kit Size: 08 kg)	<ul style="list-style-type: none"> • Seed Minikit of Lentil var. Kota Masoor-2 under FNS-Pulses has been distributed to the selected beneficiary farmers including women's farmers in the district for Rabi-2022-23.
		Review meeting at District Circuit House with DDA & other stake holders	<ul style="list-style-type: none"> • Crop cafeteria of intervention of various demonstrations as per region specific needs were missing and input quantities are not appropriately recommended, full package was not provided under NFSM. • The sincere effort could not be taken in the process of geo tagging of the demonstrations. • The Team Leader suggested for joint

Districts/ Date of visit	Place (Village/Block)	Events (Name of Scheme/Programme /State Initiatives)	Brief Observations/Remark
			visit of Scientists and Extension officials in the demonstration fields and farmers' feedback about the demonstrations should also be taken for further improvement.

9. Consolidated major observations and suggestions (all the visited districts and schemes/programmes)

The NLMT was facilitated to monitor/visit the activities/works under different CSS/CS and in the sample districts of Rajnandgaon, Kabirdham and Mungeli.

Following action points emerged during the course of monitoring, need attention of the government:

Actionable points for SDA for effective implementation of programmes

9.1 Crop Cafeteria: In all the visited districts/fields, crop cafeteria recommendation of various inputs was observed mismatched and inputs recommendations of demonstrations not found as per the crop/districts/region specific recommendations.

1. Team has strongly suggested that the Crop cafeteria of various crop demonstrations must be prepared in consultation with the concerned subject experts/scientists of the particular regions/agro-climatic zones of the districts for truthful recommendation and further be approved by the committee of the Director Extension/Research services/State Mission Director (NFSM).
2. Wide research network is available in the state for all the three agro-climatic zones, specific recommendations should be included for deciding the input cafeteria particularly for cropping system based demonstrations (CSBD).
3. In the seed production component, the seed certification cost/charges must be included in the cafeteria. Foundation seed only incorporated in the seed production programme as recommended by the member scientist of the NLMT.
4. Seed treatment must be a part of crop cafeteria for all the demonstrations. Besides, one fungicide (jivik/organic) and one insecticide must be added in package of practice supplied.

9.2 Soil Health Card (SHC): All the visited fields/demonstrations, the soil testing recommendations of soil health card was not found due to no soil testing.

1. Team has strongly suggested that the Crop cafeteria of various crop demonstrations must be prepared including SHC recommendations of particular district/zone/regions. Demonstration should be organized with the INM/Soil test based (SHC)

recommendation and this should be recorded on the display board and demonstration register.

9.3 Crop Demonstration: Field demonstrations site board having details of the demonstration, cafeteria details etc. was not found up to date. Boards were not also installed properly for dissemination of the demonstration information. Printing/typographical/technical errors were observed in many of flex/Display Board and hence, should be carefully drafted and must reflect all the specific information.

1. Site selection of the most of the demonstrations are not found suitable and as per the FNS erstwhile-NFSM guidelines *i.e.* on road side. Most of the cluster demonstrations are not in seen 100 ha. Most of demonstrations are the found in the scattered form.
2. For each cluster demonstration plot/field there should be “*one control plot*” for comparison for the result demonstration and training. Uniform display board must be installed in demonstration field to show the detailed information.
3. Also, one cluster demonstration should be demonstrated at least three to four varieties, two to three methods of planting and method of irrigation etc. It is suggested to involve expert scientists of different disciplines of the crop, particularly from the AICRP of the crop, while deciding the variety and other inputs.
4. Paddy cluster demonstration of single variety must be in 50 ha clustering instead of 100 ha so that proper monitoring and technology dissemination.
5. Lacking of Cropping System Based Training (CSBT) was observed in the visited districts. Four Sessions *i.e* one before Kharif' -one each during Kharif and Rabi crops and one after Rabi is mandatory in the programme.
6. Arhar on rice bunds is a very good initiative in terms of utilizing fallow area of paddy bunds and additional production and income, its package of practices needs refinement.

9.4 Seed Component: State/Districts must indent their seed requirement of pulses for the various CSS programme for conducting demonstrations/seed distribution/seed production programme to the seed hub centres on priority basis to sustain the seed hub-pulses in the state. Also prepare advance seed rolling plan of 2-3 years to avoid the crisis of availability of quality seed requirement.

1. In seed godown, windows, rat proof structure was improper. Precisely, Seed Godown must be constructed in pursuance of technical norms.
2. The seed-hub programme allotted to the universities KVK for different pulse crops are going very well, this programme had made available the sufficient seed of pulses for the state. Some administration problems had been raised by PC KVK – Rajnandgaon regarding, seed lifting amount left at the level of DDA-Rajnandgaon.
3. There should be arrangement for lifting the seed produced by the seed hubs by the State Department and other agencies in order to improve the efficiency of the seeds hubs. The SDA, NSC, SSC may be directed for necessary help to the government organizations involved in seed production.

4. Orientation programme of RAO's should be organised before the programme by the KVK.
5. The varieties distributed under minikits should be monitored (at least 10% of total minikits in a block/district) on the parameters of yield, tolerance/resistance to insect pest and disease, adaptability, duration and suitability in the cropping system in the region/ district. Further, the best performing variety should be dove-tailed with the indenting of the breeder seed for organization of the seed production programme of pulses & oilseeds for the next season.

9.5 Geo-tagging: None of the visited districts has undertaken Geo tagging as it is the mandatory part of demonstration/minikit distribution. Team has strongly instructed for timely processing of geo tagging of all the beneficiary fields. If required, districts can take training from Ministry to overcome the difficulty if any while geo tagging.

9.6 Agricultural Implements : Online registration of farmers for purchase of agricultural implements in CHAMS system under Food & Nutrition Security (FNS) erstwhile NFSM scheme has not been started by the Chhattisgarh Agriculture Mechanization & Micro irrigation Monitoring Process (CHAMS). The Physical & financial progress of agricultural implements is NIL. Team has instructed to start the online registration of farmers for purchase of agricultural implements in CHAMS system to achieve the target under Food & Nutrition Security (FNS scheme).

9.7 Wrap-up Meeting: At the end of monitoring, team had a review meeting with State Mission Director, FNS (erstwhile-NFSM), DES, DRS and other stakeholders of the programmes including team members on 20.10.2022 at Office of the SAMETI, Govt. of Chhattisgarh, Raipur. **The Minutes of the meeting is at Annex-I.**

10. Suggestions on varietal inclusion/replacement and recommendations on package of practices in the districts of all major crops.

1. Recommended varieties based on weather and soil conditions should be taken.
2. For demonstration latest varieties i.e. less than 10 years old must be selected.
3. For intercropping; special kind of varieties like erect varieties of pigeon pea should be selected; so as to be agronomically suitable.
4. Variety resistant to major insect-pests should be preferred.
5. During visit it was observed that Rice variety Rajeshwari or CG Zink rice-1 was taken in the demonstration of "Stress tolerant to Rice" but these varieties not suited to particularly this kind of demonstration. In stress tolerance demonstration, only stress tolerant rice variety should be taken that can perform better under moisture stress condition.
6. The use of inputs provided in the scheme is more or less common for all the districts, which should be worked out based on agro-climatic conditions of the region.
7. The doses of neem oil are highly variable (3000-50000 ppm) it should be standardized in consultation with the concerned entomologist.

8. The JDA/DDA's should also visit some demonstrations, in addition to ADO's and RAEO's.
9. The geo-tagging of demonstration should be done on priority, as in some districts it was completed in CG.
10. Seeds of pigeonpea crop were distributed for bund cultivation, which was good initiative for increasing pulses production in CG.
11. The technology for bund cultivation of pigeonpea should be evolved in consultation with the university scientists like doses and application fertilizers etc.
12. Nutri-rich varieties are available for different crops, which can be procured and utilized in nutrition demonstrations.
13. Intercropping of pigeonpea and soybean is becoming popular in the CG, hence the varieties suitable for intercropping which are erect type should be popularized in these demonstrations. Also looking to the changing rainfall pattern in the region, long duration varieties of soybean should be used.
14. Package of practices should be finalized after proper discussion with concerned expert (AICRP Scientists or other) and it needs to be done much before implantation of the programme so that arrangement of seeds and other inputs can be done in time.
15. Packages of practice of demonstration were informed orally to the farmers or through training programme and the farmers forgot those package of practice. Therefore, written and brief point wise packages of practice can be provided to the farmers so that the technology can be adopted in proper way.
16. At all the sites and programme, botanical insecticide Azadiractin was applied to the crop. The doses of neem oil are highly variable (3000-50000 ppm). Its dose and time of application needs be standardized in consultation with the concerned entomologist.
17. At all the sites, Zinc EDTA was applied. It would be advisable to apply on soil test basis/ soil health card status basis.
18. At many places incidence of leaf spots and blights was seen in paddy and Kodo Fungicide was not supplied in the package of practice. Therefore, at least one fungicide should be included for disease control.
19. Seed godowns construction was good initiative, however, it should be technically more sound.
20. The information printed on display board was misleading. It should reflect accurate information.

11. Any other suggestions to improve the schemes/programmes outreach to the farmers to Enhance the farmer's income.

1. Micronutrients must be applied based on Soil Testing Report (STR).
2. The inputs provided are not being used by the farmers, due to their reluctance for the chemicals. Hence, while finalizing inputs, suitable inputs should be the consideration.
3. About 20% of area under demonstration can be registered for seed production with state seed certification agency so that the seed availability will be assured for this programme, especially for those varieties whose seeds availability has some problem. This will be also helpful in making available the quality seed of the variety to other farmers. This will fetch better price to farmers and seed scarcity for next season will be meet out.

FIELD / VISIT PHOTOGRAPHS

1.0 DISTRICT-RAJNANDGAON



NFSM-Rice: Hybrid Rice Cluster Demonstration Variety JK 90-82, Village Barbaspur , Block- Rajnandgaon



**Farmers Feedback/Review of NFSM-Rice Hybrid Rice Cluster Demonstration
Village - Barbaspur , Block - Rajnandgaon**



NFSM-Rice: Hybrid Rice Cluster Demo. Var. Gold-64-44 in village Bijetala/ Rajnandgaon block



Monitoring of NFSM-Pulses Godown, Village Bijetala, Block-Rajnandgaon



**NFSM-Rice Stress Tolerance (Blast Disease) Rice Cluster Demonstration
Village –Tekapar, Block - Khairagarh**



**Distribution of Seed Minikits-Pulses (Lentil variety KM-2)
Village -Sahaspur Dalli, Block- Rajnandgaon**

2.0 DISTRICT-KABIRDHAM



**NFSM-Cropping System Based Cluster Demonstrations (CSBD) Paddy-Gram
Village -Basin Jhori, Block -Sahaspur Lohara**



**NFSM-Nutri-cereals Cluster Demo.-Kodo variety Indira Kodo-1
Village-Bairkh, Block-Bodla**



Distribution of seed minikit of R&M var. RH-725 under Special programme seed kits distribution
Village-Berakh, Block -Bodla

3.0 DISTRICT-MUNGELI



**NFSM-Cropping System Based Cluster Demonstrations (CSBD) Paddy-Gram
Village-Tarvarpur, Block -Mungeli**



**NFSM-Cropping System Based Cluster Demonstrations (CSBD) Scented Paddy-Gram
Village -Belkhuri , Block -Pathariya**



**Seed Minikit-Pulses(Lentil var. Kota Masoor-2, RKL-1420& L-4727
Village –Belkhuri, Block -Pathariya**

4.0 DISTRICT LEVEL REVIEW MEETING



District-Rajnandgaon (17.10.2022)



District-Kabirdham (18.10.2022)



District-Mungeli (19.10.2022)





राज्य कृषि प्रबंधन एवं विस्तार प्रशिक्षण संस्थान (समेती)
खाद्य एवं पोषण सुरक्षा योजना, इं.गां.कृ.वि. परिसर, लभांडी, रायपुर (छ.ग.)

Phone No. 0771-2443982 E-mail-directorsameticg@gmail.com, dir.sameti-cg@gov.in

क्र./खा.पो.सु./2022-23/673

रायपुर, दिनांक 28/10/2022

प्रति,

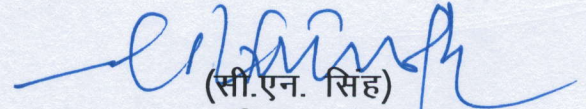
1. अपर संचालक कृषि अभियांत्रिकी/चैम्पस प्रभारी, छ.ग. राज्य बीज एवं कृषि विकास निगम लिमि., रायपुर (छ.ग.)।
2. निदेशक, अनुसंधान सेवाएं, इं.गां.कृ.वि.वि., रायपुर (छ.ग.)।
3. निदेशक, विस्तार सेवाएं, इं.गां.कृ.वि.वि., रायपुर (छ.ग.)।
4. निदेशक, प्रक्षेत्र प्रबंधक, इं.गां.कृ.वि.वि., रायपुर (छ.ग.)।
5. उप संचालक कृषि, जिला :.....सर्व (छ.ग.)

विषय :- राष्ट्रीय स्तरीय निरीक्षण दल की रैप-अप बैठक दिनांक 20.10.2022 का कार्यवाही विवरण बाबत।

विषयांतर्गत खाद्य एवं पोषण सुरक्षा योजनांतर्गत दिनांक 20.10.2022 को आयोजित राष्ट्रीय स्तरीय निरीक्षण दल की रैप-अप बैठक का कार्यवाही विवरण संलग्न प्रेषित है।

अतः उपरोक्तानुसार प्रेषित कार्यवाही विवरण का पालन प्रतिवेदन दिनांक 05.11.2022 तक इस कार्यालय को उपलब्ध कराने का कष्ट करें।

संलग्न : उपरोक्तानुसार।

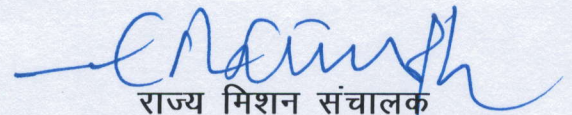

(सी.एन. सिंह)
राज्य मिशन संचालक
रा.खा.सु.मि. एवं संचालक समेती
रायपुर (छ.ग.)

पृ.क्र./खा.पो.सु./2022-23/674

रायपुर, दिनांक 28/10/2022

प्रतिलिपि :-

1. दलहन विकास निदेशालय, भारत सरकार, कृषि विभाग एवं किसान कल्याण मंत्रालय, कृषि एवं किसान कल्याण विभाग, छठी मंजिल, विन्ध्याचल भवन, भोपाल (म.प्र.)
2. स्टॉफ ऑफिसर, कृषि उत्पादन आयुक्त, छ.ग. शासन, कृषि विकास एवं किसान कल्याण तथा जैव प्रौद्योगिकी विभाग, मंत्रालय।
3. संयुक्त सचिव, छ.ग. शासन, कृषि विकास एवं किसान कल्याण तथा जैव प्रौद्योगिकी विभाग, मंत्रालय, महानदी भवन, नवा रायपुर, अटल नगर 492002 (छ.ग.)।
4. संचालक कृषि, संचालनालय कृषि ब्लॉक-II, द्वितीय तल, इन्द्रावती भवन, नवा रायपुर, अटल नगर, रायपुर-492002 (छ.ग.)।
5. संयुक्त संचालक कृषि संभाग-रायपुर/दुर्ग/बिलासपुर/सरगुजा/बस्तर (छ.ग.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।


राज्य मिशन संचालक
रा.खा.सु.मि. एवं संचालक समेती
रायपुर (छ.ग.)

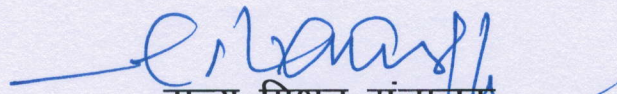
राष्ट्रीय स्तरीय निरीक्षण दल रैप-अप बैठक दिनांक 20.10.2022 का कार्यवाही विवरण

राष्ट्रीय स्तरीय निरीक्षण दल द्वारा खाद्य एवं पोषण सुरक्षा चावल, दलहन, मोटे अनाज, पोषक अनाज एवं तिलहन योजनांतर्गत कार्यक्रम के क्रियान्वयन का निरीक्षण दिनांक 17.10.2022 से 19.10.2022 तक राजनांदगांव, कबीरधाम एवं मुंगेली जिले में किया गया। निरीक्षण उपरांत दिनांक 20.10.2022 को राष्ट्रीय निरीक्षण दल के संयुक्त संचालक कृषि श्री विपिन कुमार, दलहन विकास निदेशालय, भोपाल (म.प्र.) की अध्यक्षता में राज्य मिशन संचालक एवं अन्य अधिकारी व वैज्ञानिकों की उपस्थिति में कार्यालय राज्य कृषि प्रबंधन एवं विस्तार प्रशिक्षण संस्थान (समेती) रायपुर में बैठक आयोजित किया गया। बैठक में उपस्थित अधिकारी एवं वैज्ञानिक की सूची (परिशिष्ट-1) में संलग्न है।

1. सर्वप्रथम बैठक में खाद्य एवं पोषण सुरक्षा योजनांतर्गत आयोजित प्रदर्शनों भूखण्डों एवं वितरित मिनीकीट के प्रदर्शन भूखण्डों के Geo Tagging की प्रगति की समीक्षा की गई जिलों की प्रगति अल्प होने के कारण निरीक्षण दल के द्वारा खेद प्रकट की गई एवं 15 नवंबर, 2022 तक सभी जिलों को शत-प्रतिशत पूर्ति करने के निर्देश दिए गए।
2. भ्रमण दल के द्वारा यह निर्देश दिए गए कि योजनांतर्गत वितरित मिनीकीट के फसल की विस्तृत जानकारी लाभार्थी कृषक को वितरण के दौरान दी जाए।
3. योजनांतर्गत प्रदर्शन के अंतर्गत दिये जाने वाले आदान सामग्री के कॉस्ट नार्म्स को जिला स्तर पर संचालित कृषि विज्ञान केन्द्र से जिलों की आवश्यकता एवं भौगोलिक स्थिति के अनुरूप तैयार करने के निर्देश दिए गए।
4. प्रदर्शन कैफेटेरिया को जिलों की आवश्यकता अनुसार अनुशंसित करने हेतु समस्त कृषि विज्ञान केन्द्र के परियोजना समन्वयक को निर्देशित करने के लिए निदेशक विस्तार सेवायें इ.गां.कृ.वि.वि. रायपुर को निर्देशित किया गया।
5. आदान सामग्री जैसे- सूक्ष्म पोषक तत्व, जैव उर्वरक, चूना, जिप्सम, खरपतवार नाशी, कीटनाशक का उपयोग कृषि विश्वविद्यालय द्वारा अनुशंसित मात्रा के अनुसार किये जाने के निर्देश दिये गये।
6. भ्रमण के दौरान क्लस्टर का चयन योजना के मार्गदर्शी दिशा-निर्देश के अनुरूप नहीं पाया गया। इस संबंध में आगामी प्रदर्शनों में क्लस्टर का चयन मार्गदर्शी दिशा-निर्देश अनुरूप किये जाने के निर्देश दिये गये।
7. दल के द्वारा योजनांतर्गत आयोजित समस्त प्रदर्शनों के प्रदर्शन भूखण्डों की मृदा स्वास्थ्य परीक्षण उपरांत ही सूक्ष्म पोषक तत्वों की सिफारिश करने के निर्देश दिए गए।
8. कृषि विज्ञान केन्द्रों से उत्पादित आधार एवं प्रमाणित बीजों का उठाव योजनांतर्गत उप संचालक कृषि के द्वारा करवाने के निर्देश दिए गए।
9. योजनांतर्गत कृषि यंत्रों का पंजीयन चैम्स प्रणाली में करते हुए लक्ष्यों की शत-प्रतिशत पूर्ति करने के निर्देश दिए गए।

10. निदेशक विस्तार सेवायें इं.गां.कृ.वि.वि. रायपुर से दलहन सीड हब की प्रगति की समीक्षा की गई। निदेशक विस्तार सेवायें इं.गां.कृ.वि.वि. रायपुर के द्वारा राज्य में संचालित 07 दलहन सीड हब की जानकारी दी गई। उनके द्वारा सरगुजा जिला में निर्मित दलहन सीड हब में बीजों के विक्रय दर एवं गोदाम की समस्या से अवगत कराया गया साथ ही जिला जांजगीर-चाम्पा में निर्मित दलहन सीड हब के क्रियान्वयन में आ रही समस्या के बारे में भी बताया गया कि संबंधित जिले में दलहन का क्षेत्र कम होने के कारण वहां बीज उत्पादन में बाधा आ रही है एवं उनके द्वारा यह भी प्रस्ताव प्रस्तुत किया गया कि जांजगीर-चाम्पा के स्थान पर मुंगेली में क्रियान्वयन किया जाना उचित होगा। तत्संबंध में भ्रमण दल के द्वारा इस संदर्भ में विस्तृत प्रस्ताव भारत सरकार को प्रेषित करते हुए दलहन विकास निदेशालय को भी एक प्रति उपलब्ध कराने के निर्देश निदेशक विस्तार सेवायें को दिए गए।
11. प्रत्येक वर्ष खरीफ एवं रबी मौसम हेतु फसलों की बीज उत्पादकता की जानकारी संचालक कृषि एवं संचालक समेती, छ.ग. राज्य बीज एवं कृषि विकास निगम लिमिटेड रायपुर को उपलब्ध कराने के निर्देश निदेशक अनुसंधान सेवायें, निदेशक विस्तार सेवायें एवं निदेशक प्रक्षेत्र को दिए गए।
12. कृषि विज्ञान केन्द्र, राजनांदगांव का दलहन सीड हब योजनांतर्गत 84.00 लाख रु. का बीज का विक्रय वर्ष 2021-22 में उप संचालक कृषि जिला राजनांदगांव को किया गया था, जिसका भुगतान संबंधित उप संचालक कृषि का तत्काल करने के निर्देश दिये गये।
13. कृषि विज्ञान केन्द्रों एवं दलहन सीड हब में उत्पादित बीजों के विक्रय की समस्या को देखते हुए निदेशक विस्तार सेवाएं, इंदिरा गांधी कृषि विश्वविद्यालय को यह निर्देश दिया गया कि संचालक कृषि, प्रबंध संचालक, छ.ग. राज्य बीज एवं कृषि विकास निगम लिमिटेड रायपुर एवं संचालक समेती से समन्वय स्थापित कर उनकी मांग अनुसार बीज उत्पादन कार्यक्रम तैयार किया जाये।

अंत में धन्यवाद ज्ञापन के साथ बैठक समाप्ति की घोषणा की गई।


राज्य मिशन संचालक
खाद्य एवं पोषण सुरक्षा, संचालक समेती
रायपुर (छ.ग.)

National Level Monitoring Team (NLMT) Wrap-up Meeting

Date : 20-10-2022

No.	Name of Officer	Designation	State/District Name	Signature
1.	VIPINKUMAR	Joint Director	Govt of India, Directorate of Pulses Development, Ministry of Agric & FW, Bhopal	Vipin Kumar 20-10-2022
2.	COMB SINGH	DIRECTOR (S.A.M.E.T.I.)	C.G.	L
3.	R.K. Chandraman	JDA	2 D.A.G. Raipur	Deh
4.	Dr. D.R. Lakshmi	Pr. Lecturer RAK College of Agric. Science	MP	Dr.
5.	Dr. Ajay Verma	DES, IGKV, Raipur	Raipur (CG)	Dr.
6.	Dr. S.S. Thapa	Director Farm	Raipur	Dr.
7.	Dr. Arun Tripathi	Scientist (Agr)	DES, IGKV, Raipur	K
8.	Dr. B.S. RAIPUT	S.S. Head, KVK, Rajnangam	Rajnangam C.G.	Dr.
9.	Kundan Thakur	B-Programmer	Bee's Nigam - Champs	Dr.
10.	Daman Sahu	Computer operator	Bee's Nigam - Champs	Dr.
11.	Dr. Vivek Tripathi	DRS, IGKV, Raipur	IGKV, Raipur	Dr.
12.	Dr. Perfull Kumar	Scientist	IGKV, Raipur	Dr.
13.	Sayv Kumar	Bel. Off.	DD, CoE, Bhopal	Dr.
14.	G.S. Dhruv	DDA	Rajnangam	Dr.
15.	G.K. Pichitra	Add. Director Egg.	C.G.	Dr.
16.	B.K. Birmiya	J.D.A.	C.G. Raipur	Dr.

Chhattisgarh : Summary & Brief report of NFSM – Annual Progress Report
(Till March, 2022) during 2021-22

NFSM (Pulses, Rice, Coarse Cereals, Nutri-Cereals, TRFA-Pulses & TRFA-Oilseeds)

A. CHHATTISGARH**(Rs. in Lakhs)**

S. No.	Crop	Alloca.	Revalidation			Release			TAF*	Expenditure			% Uti. to TAF*	Unspent Balance		
			GoI	State	Tot.	GoI	State	Total		GoI	State	Total		GoI	State	Total
1	Pulses	5692.25	2557.76	1705.17	4262.93	-	-	-	4262.93	2557.76	1705.17	4262.93	100			
2	Rice	1693.40	300.39	200.26	500.65	-	-	-	500.65	554.40	369.60	923.99	185	-254.01	-169.34	-423.34
3	Coarse Cereals	208.80	101.75	67.84	169.59	-	-	-	169.59	101.75	67.84	169.59	100			
4	Nutri-Cereals	383.00	108.75	72.50	181.25	-	-	-	181.25	108.75	72.50	181.25	100			
5	TRFA - Pulses	6252.73	1181.27	0.00	1181.27	-	-	-	1181.27	-	-	-	-	1181.27		1181.27
6	TRFA- Oilseeds	766.67	18.55	0.00	18.55	-	-	-	18.55	-	-	-	-	18.55		18.55
Total Above		14996.85	4268.47	2045.77	6314.24	-	-	-	6314.24	3322.66	2215.11	5537.77	88	945.82	-169.33	776.49

Source :- States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

Note :- TAF*- Total Available Fund; TRFA – Targeting Rice Fallow Areas.

1. Intervention-wise progress report : Foodgrain (Pulses+Rice+Coarse Cereals , Nutri-Cereals & TRFA- Pulses)

(Financial - Rs. in Lakhs)

S.No	Interventions	Crops	Units	Target		Achievement		% Utilization against allocation	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Demo. on improved technologies								
(a)	Cluster Demonstrations (100 ha each)	Pulses+Rice+Coarse Cereals +TRFA-P+O	ha	64324	5436	53379	446	83	8
(b)	Cluster Front Line Demo.	Nutri.-Cereals	ha	2336	140.16	2336	62.18	100	44
(c)	Demonstration on intercropping (specify intercrop)	Pulses	ha	555	49.95	505	16.99	91	34
(d)	Cropping System Based Demo.	Pulses+Rice	ha	6667	1000.05	6467	617.34	97	62
(e)	DSR/Line Transplanting/SRI (Target 1.5% of area of District)	Rice	ha	1000	90.00	1000	46.97	100	52
(f)	Demo.on stress tol. var.(100 ha each)	Rice	ha	1000	90.00	1000	60.00	100	67
	Total Demonstration			75882	6805.78	64687	1249.42	85	18
2	Assistance of Distribution and Production of Seeds								
(a)	Distri. of HYVs Seeds (<10 Yrs.)	Rice + Pulses + Co.C+Nutri-Cereals + TRFA-Pulses	Qtls	27814	1250.10	14433	672.72	52	54
(b)	Distri. of HYVs Seeds (> 10 Yrs.)	Rice+Pulses+Co.C+ Nutri-Cereals	Qtls	13064	2681.05	6595	27.61	50	1
(c)	Hybrid seed	Rice + Co.C	Qtls	2628	263	1370	58	52	22
	Total Seed Distribution			43506	4193.95	22398	757.93	51	18
3	Prod. of HYVs Seeds (< 10 Yrs.)	Pulses+Nutri. Cereals+TRFA-O	Qtls	22696	1100.25	7033	283.88	31	26
4	Plant & soil protection management								
(a)	INM	Rice+Pulses+Co. C. + Nutri-Cereals +TRFA-P+O	ha	344221	1468.00	253755	125.05	74	9
(b)	IPM	Rice+Pulses+ Nutri-C.+TRFA-Pulses	ha	193339	966.69	112445	154.80	58	16

S.No	Interventions	Crops	Units	Target		Achievement		% Utilization against allocation	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
	Total INM & IPM			537560	2434.69	366200	279.85	68	11
5	Flexi Components (25% of the outlay)								
a	Farm implements & equipments	Rice+ Pulses + Coarse cereals + Nutri-Cereals + TRFA-Pulses	Nos	22018	972.97	12760	92.10	58	9
b	Efficient Water Application Tools	Pulses+Rice+ TRFA-Pulses	Nos	780165	430.41	438890	16	56	4
c	Cropping System based trainings			700	98.00	490		70	
d	Miscellaneous Expenses	Pulses + TRFA-O	Nos	18	227.67		25		11
e	Local Initiatives	Rice+Pulses+TRFA -Pulses	Nos	28263	1108.00	17918	88.49	63	8
f	Other Initiatives	Nutri-Cereals		70	36.00	2	5.59	3	16
	Total Flexi Funds			831234	2873.05	470060	226.88	57	8
	Previous Year Expenditure (2020-21)	Rice+Pulses+Nutri. Cereals					2739.81		
	Grand Total			1510878	17407.72	930378	5537.77	62	32

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

Note: TRFA- P- Pulses, O-Oilseeds

(Rs. In Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	14996.85	8998.11	5998.74
2	Fund Released by GoI	0.00	0.00	0.00
3	Release State Matching Share	0.00	0.00	0.00
4	Unspent Balance as on 01 st April, 2021	6314.25	4268.48	2045.77
5	Total available fund for utilization	6314.25	4268.47	2045.77
6	Amount Utilized till March, 2022	5537.77	3322.66	2215.11
7	Fund Utilized (%) Against the Total Available Fund (TAF)	88	78	108
8	Tentative Balance on 1st April, 2022	776.49	945.82	-169.33

Remark:

- Overall **30%** fund utilize against the Allocation and **88%** against the Total Available Fund.

1.1 NFSM-PULSES : 2021-22

(Financial - Rs. in Lakhs)

S.No.	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Demo. on improved technologies							
(a)	Cluster Demonstrations (100 ha each)	ha	11390	1025.10	5530	211.35	49	21
(b)	Demonstration on intercropping	ha	555	49.95	505	16.99	91	34
(c)	Cropping System Based Demo.	ha	4667	700.05	4467	402.34	96	57
	Total Demonstration		16612	1775.10	10502	630.68	63	36
2	Assistance of Distribution and Production of Seeds							
(a)	Distri. of HYVs Seeds (<10 Yrs.)	Qtls	16984	849.20	5531	659.85	33	78
(b)	Distri. of HYVs Seeds (> 10 Yrs.)	Qtls	6900	172.50	1882	19.56	27	11
	Total Seed Distribution		23884	1021.70	7413	679.41	31	66
3	Prod. of HYVs Seeds (< 10 Yrs.)	Qtls	19656	982.80	6060	279.58	31	28
4	Plant & soil protection management							
(a)	INM	ha	69900	301.00	40722	56.95	58	19
(b)	IPM	ha	96300	481.50	34358	77.24	36	16
	Total INM & IPM		166200	782.50	75080	134.19	45	17
5	Flexi Components (25% of the outlay)							
a	Farm implements & equipments	Nos.	3186	357.59	1303	61.72	41	17
b	Efficient Water Application Tools	Nos.	398415	228.56	98308	14.80	25	6
c	Cropping System based trainings	Nos.						
d	Miscellaneous Expenses	Nos.	18	221.00	0	24.74	0	11
e	Local Initiatives	Nos.	13172	323.00	8559	73.88	65	23
	Total Flexi Funds		414791	1130.15	108170	175.14	26	15
	Previous Year Expenditure (2020-21)					2085.40		
	Interest Submitted to Govt. of India					278.53		
	Grand Total		641143	5692.25	207225	4262.93	32	75

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	5692.25	3415.35	2276.90
2	Fund Released by GoI	0.00		
3	Release State Matching Share	0.00		
4	Unspent Balance as on 01 April, 2021 (As per state)	4262.94	2557.76	1705.17
5	Total available fund for utilization	4262.94	2557.76	1705.17
6	Amount Utilized till March, 2022	4262.93	2557.76	1705.17
7	Fund Utilized (%) against the TAF	100	100	100
8	Tentative Balance on 1st April, 2022	0.00	0.00	0.00

Remark:

- Overall **75%** fund utilize against the Allocation and **100%** against the Total Available Fund.

1.2 NFSM-RICE: 2021-22

(Financial - Rs. in Lakhs)

S.No.	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Cluster Demonstration on improved technologies							
(a)	DSR/Line Transplanting/SRI (Target 1.5% of area of District)	ha	2200	198.00	2200	155.00	100	78
(b)	Cluster Demo. on Hyb. Rice (100 ha)	ha	1000	90.00	1000	46.97	100	52
(c)	Demo. on stress tolerance/bio-fortified var.(100 ha each)	ha	1000	90.00	1000	60.00	100	67
(d)	Cropping System Based Demo.		2000	300.00	2000	215.00	100	72
	Total Demonstration		6200	678.00	6200	476.97	100	70
2	Assistance of Distribution and Production of Seeds							
(a)	Hybrid Rice seed	Qtls	2000	200.00	760	2.60	38	1
(b)	Distri. of HYVs Seeds (<10 Yrs.)	Qtls	2700	27.00	2370	9.02	88	33
(c)	Distri. of HYVs Seeds (> 10 Yrs.)	Qtls	5594	2500.00	4546	7.27	81	0
	Total Seed Distribution		10294	2727.00	7676	18.89	75	1
3	Plant & soil protection management							
(a)	INM	ha	27500	120.90	12945	45.00	47	37
(b)	IPM	ha	26500	132.50	19567	73.00	74	55
	Total INM & IPM		54000	253.40	32512	118.00	60	47
4	Flexi Components (25% of the outlay)							
a	Farm implements & equipments	Nos.	3169	222.30	1445	23.49	46	11
b	Efficient Water Application Tools	Nos.	181740	100.82	52015	1.16	29	1
c	Cropping System based trainings	Nos.						
e	Local Initiatives	Nos.	5050	100.00	2723	14.61	54	15
	Total Flexi Funds		189959	423.12	56183	39.26	30	9
	Previous Year Expenditure (2020-21)					270.88		
	Grand Total		260453	4081.52	102571	923.99	39	23

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	1693.40	1016.04	677.36
2	Fund Released by GoI			
3	Release State Matching Share			
4	Unspent Balance as on 01 April, 2021 (As per state)	500.65	300.39	200.26
5	Total available fund for utilization	500.65	300.39	200.26
6	Amount Utilized till March,2022	923.99	554.40	369.60
7	Fund Utilized (%) against the TAF	185	185	185
8	Tentative Balance on 1st April, 2022	-423.34	-254.01	-169.34

Remark:

- Overall **23%** fund utilize against the Allocation and **185%** against the Total Available Fund.
- **Pending Liability of 2021-22 under NFSM- Rice is Rs.545.00 Lakh**

1.3 NFSM-COARSE CEREALS: 2021-22

(Financial - Rs. in Lakhs)

S.No.	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Demonstration on Improved package	ha	1740	104.40	1740	79.59	100	76
	Total Demonstration		1740	104.40	1740	79.59	100	76
2	Assistance of Distribution and Production of Seeds							
(a)	Distri. of HYVs Seeds (<10 Yrs.)	Qtls						
(b)	Distri. of HYVs Seeds (> 10 Yrs.)	Qtls						
(c)	Hybrid Seeds (Maize)	Qtls	628	62.80	610	55.00	97	88
	Total Seed Distribution		628	62.80	610	55.00	97	88
3	Plant & soil protection management							
(a)	INM	ha	7178	31.35	4918	20.00	69	64
	Total INM		7178	31.35	4918	20.00	69	64
4	Flexi Components (5% of the outlay)							
i	Maize Sheller for SC/ST, SMF & WF	Nos.	25	7.50				
ii	Maize Sheller for Other Farmers	Nos.	11	2.75				
	Total Flexi.		36	10.25				
	Previous Year Expenditure (2020-21)					15.00		
	Grand Total		9582.0	208.80	7268.0	169.59	76	81

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	208.80	125.28	83.52
2	Fund Released by GoI			
3	Release State Matching Share			
4	Unspent Balance as on 01 April, 2021 (As per state)	169.59	101.75	67.84
5	Total available fund for utilization	169.59	101.75	67.84
6	Amount Utilized till March, 2022	169.59	101.75	67.84
7	Fund Utilized (%) against the TAF	100	100	100
8	Tentative Balance on 1st April, 2022	0.00	0.00	0.00

Remark:

- Overall **81%** fund utilize against the Allocation and **100%** against the Total Available Fund.

1.4 NFSM-NUTRI-CEREALS: 2021-22

(Financial - Rs. in Lakhs)

	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Cluster Front line Demonstration	ha	2336	140.16	2336	62.18	100	44
2	Seed Distribution							
(a)	Hybrid seed of nutritive variety	Qtls						
(b)	HYVs seeds (< 10 Yrs.)	Qtls	1630	48.90	762	3.85	47	8
(c)	HYVs seeds (> 10 Yrs.)	Qtls	570	8.55	167	0.78	29	9
	Total Seed Distribution		2200	57.45	929.0	4.63	42	8
3	Seed production HVYs seeds	Qtls	1915	57.45	348	4.30	18	7
4	Plant & soil protection management							
(a)	INM	ha	7643	34.75	7620	3.10	100	9
(b)	IPM	ha	4539	22.69	4240	4.56	93	20
	Total INM & IPM		12182	57.44	11860	7.66	97	13
5	Flexi Components (25% of the outlay)							
a	Farm implements & equipments	Nos.	5000	34.50	3450	6.89	69	20
b	Event/Workshop	Nos.	70	36.00	2	5.59	3	16
	Total Flexi Funds		5070	70.50	3452	12.48	68	18
	Previous Year Expenditure (2020-21)					90.00		
	Grand Total		23703	383.00	18925	181.25	80	47

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	383.00	229.80	153.20
2	Fund Released by GoI			
3	Release State Matching Share			
4	Unspent Balance as on 01 April, 2021 (As per state)	181.25	108.75	72.50
5	Total available fund for utilization	181.25	108.75	72.50
6	Amount Utilized till March, 2022	181.25	108.75	72.50
7	Fund Utilized (%) against the TAF	100	100	100
8	Tentative Balance on 1st April, 2022	0.00	0.00	0.00

Remark:

- Only **47%** fund utilize against the Allocation and **100%** against the Total Available Fund.

1.5 NFSM-TRFA (PULSES) : 2021-22

(Financial - Rs. in Lakhs)

S.No.	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Demo. on improved technologies							
(a)	Cluster Demonstrations (100 ha each)	ha	41393	3725.37	38779		94	
	Total Demonstration		41393	3725.37	38779		94	
2	Assistance of Distribution and Production of Seeds							
(a)	Distri. of HYVs Seeds (<10 Yrs.)	Qtls	6500	325.00	5770		89	
	Total Seed Distribution		6500	325.00	5770		89	
4	Plant & soil protection management							
(a)	INM	ha	180000	720.00	144550		80	
(b)	IPM	ha	50000	250.00	41100		82	
	Total INM & IPM		230000	970.00	185650		81	
5	Flexi Components (25% of the outlay)							
a	Farm implements & equipments	Nos.	10627	348.33	6562		62	
b	Efficient Water Application Tools	Nos.	200010	101.03	288567		144	
c	Cropping System based trainings	Nos.	700	98.00	490		70	
d	Local Initiatives	Nos.	10041	685.00	6636		66	
	Total Flexi Funds		221378	1232.36	302255		137	
	Last Year Pendency (2020-21)							
	Grand Total		499271	6252.73	532454		107	

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	6252.73	3751.64	2501.09
2	Fund Released by GoI			
3	Release State Matching Share			
4	Unspent Balance as on 01 April, 2021 (As per state)	1181.27	1181.27	
5	Total available fund for utilization	1181.27	1181.27	
6	Amount Utilized till March, 2022			
7	Fund Utilized (%) against the TAF			
8	Tentative Balance on 1st April, 2022	1181.27	1181.27	

Remark:

- Financial progress is reported Nil under NFSM-TRFA (Pulses) due to delay fund release by GoI.
- Pending Liability of 2021-22 under TRFA- Pulses is Rs.5700 Lakh**

1.6 NFSM-TRFA (Oilseed) : 2021-22

(Financial - Rs. in Lakhs)

S.No.	Interventions	Units	Target		Achievement		% Utilization	
			Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	Demo. on improved technologies							
(a)	Cluster Demonstrations (100 ha each)	ha	7601	382.75	5130		67	
	Total Demonstration		7601	382.75	5130		67	
2	Production Input							
(a)	HYVs	Qtls	750	30.00	525		70	
(b)	Hybrid and Sesame		375	30.00	100		27	
	Total Production Input		1125	60.00	625		56	
4	Plant & soil protection management							
(a)	INM	ha	52000	260.00	43000		83	
(b)	IPM	ha	16000	80.00	13180		82	
	Total INM & IPM		68000	340.00	56180		83	
5	Contingency & Project Manag. Exp. (3%)	Nos.		6.67				
	Grand Total		76726	789.42	61935	0	81	0

Source: States Ref. Letter no. /Sameti/NFSM/2022-23/561 dated 20.09.2022

(Rs. in Lakh)

S.No.	Financial analysis	Total	GOI	State
1	Approved Financial for the year 2021-22	766.67	460.00	306.67
2	Fund Released by GoI			
3	Release State Matching Share			
4	Unspent Balance as on 01 April, 2021 (As per state)	18.55	18.55	
5	Total available fund for utilization	18.55	18.55	
6	Amount Utilized till March, 2022			
7	Fund Utilized (%) against the TAF			
8	Tentative Balance on 1st April, 2022	18.55	18.55	

Note: Due to unavailability of seed of Sunflower, Linseed and Safflower demonstration target is shuffled within financial limit.

Remark:

- Financial progress is reported Nil under NFSM-TRFA (Pulses) due to delay fund release by GoI.
- Pending Liability of 2021-22 under TRFA- Oilseed is Rs. 599.47 Lakh
