



RABI-2018-19
CHHATTISGARH



सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE & FARMERS WELFARE

(DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE)

DIRECTORATE OF PULSES DEVELOPMENT

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ABBREVIATIONS

1. AICRP-All India Coordinated Research Project
2. APEDA-Agricultural and Processed food products Export Development Authority
3. APMC-Agriculture Produce Market Committee
4. CDDs- Crop Development Directorates
5. CSBD-Cropping System Based Demonstration
6. CSS- Central Sponsored Schemes
7. DES- Directorate of Economics and Statistics
8. DFSMEC-District Food Security Mission Executive Committee
9. DSR-Direct Seeded Rice
10. FLD-Front Line Demonstration
11. GPS-Global Positioning System
12. HYV-High Yielding Varieties
13. ICAR-Indian Council of Agricultural Research
14. IPM-Integrated Pest Management
15. KVK- KrishiVigyan Kendra
16. MIDH-Mission for Integrated Development of Horticulture
17. MIS- Micro Irrigation System
18. MSP- Minimum Support Price
19. NAFED-National Agricultural Cooperative Marketing Federation of India Ltd.
20. NCIP-National Crop Insurance Programme
21. NDC-National Development Council
22. NGO- Non Governmental Organization
23. NFSM-National Food Security Mission
24. NFSMEC-National Food Security Mission Executive Committee
25. NLMT-National Level Monitoring Team
26. NMAET - National Mission on Agricultural Extension & Technology
27. NMOOP –National Mission on Oilseeds &Oilpalm
28. NMSA- National Mission for Sustainable Agriculture
29. NRM- Natural Resource Management
30. NSC- National Seed Cooperation
31. PMKSY-Pradhan Mantri Krishi Sichai Yojna
32. PROM-Phosphate Rich Organic Manure
33. RCT-Resource Conservation Technology
34. SAY- State Average Yield
35. NAY- National Average Yield
36. SAUs-State Agriculture University
37. SDA- State Department of Agriculture
38. SFSMEC-State Food Security Mission Executive Committee
39. SRI- System of Rice Intensification

PREFACE

The Government of India, Department of Agriculture, Co-operation and Farmers Welfare, Ministry of Agriculture & Farmers Welfare is implementing various agricultural/development schemes/programmes like NFSM, BGREI, NMSA, RKVY, PKVY, PMKSY, NMAET (SMAM, SMSP & Extension Reforms/ATMA), NHM, PMFBY, SHC, e-NAM etc. During 2018-19 the major interventions are through NFSM and RKVY. To effectively monitor implementation at the field level, the Ministry has constituted a National Level Monitoring Team (NLMT) under the National Food Security Mission (*NFSM-Rice, Wheat, Pulses, Coarse Cereals, Nutri-cereals and Commercial Crops*). The NLMT comprises of the Director, Crops Development Directorates (Directorate of Pulses Development), State Mission Director (NFSM), Principal Scientists ICAR/SAUs and 02 Joint Director, Govt. of C.G. as Nodal Officer.

The Terms of Reference of Central Team 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 all CSS/CS/State plan schemes in a 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 on **February, 25th and 28th 2019** in 03 districts of the Chhattisgarh (Bilaspur/Janjgir-champa/Kawardha), interacted with peoples representative District Agriculture Officers, Janpad Panchayat Adhyaksh, FPOsproprietor, progressing farmers and KVKs. 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 NFSM implementation, during XIIth five year plan over to XIth plan programme implementation and beyond five year plan (2018-19).*

I am thankful to Director Agriculture & Mission Director NFSM, Govt. of Chhattisgarh for coordinating and facilitating the field visit. I acknowledge the contribution of my technical officers, Dr. A.K. Shivhare, Assistant Director; Ms. Ashwini Tikle, Technical Assistant; Mr. Sarju Pallearwar, SI and other technical staffs in bringing out the report publication.

**Bhopal (M.P.)
March, 2018**

**(A.K.Tiwari)
Director**

SUMMARY OF ALL SCHEMES IN CG

1. Crop Coverage

- ❖ CG Kharif coverage is 48.41 Lha which is equal to last year coverage and 3.68 Lha higher over the normal area of 44.73 Lha.
- ❖ CG Rabi coverage is 15.67 Lha which is higher to last year coverage with 1.46 Lha as well as over the normal area of 6.90 Lha.
- ❖ The Production Target during 2018-19 in Total Pulses is 5.76 lakh tonnes (Kharif-1.04 + Rabi- 4.72); in Total Cereals is 70.89 Lakh tonnes (Paddy-66 LT +Wheat-1.50 LT+ Nutri-Cereals - 3.39 LT); Total Oilseeds is 2.64 Lakh Tonnes (Kharif -1.99 LT +Rabi-0.65 LT) and Sugarcane-5 Lakh Tonnes.

2. NFSM : District Covered

- ❖ **NFSM-Rice** (13 Districts): Baloda Bazar, Bijapur, Bilaspur, Dantewada, Jashpur, Sukma, Kawardha, Korba, Koriya, Mungeli, Raigarh, Raipur, Rajnandgaon.
- ❖ **NFSM-Pulses & Addl. Pulses** (27 Districts) : All the 27 districts of the state.
- ❖ **NFSM-Coarse Cereals**
 - i) Maize (08 Districts): Balrampur, Jagdalpur, Gariyaband, Kanker, Kondagaon, Koriya, Sarguja and Surajpur.
 - ii) Nutri-Cereals (10 Districts): Balrampur, Jagdalpur, Dantewada, Kawardha, Kanker, Kondagaon, Koriya, Rajnandgaon, Sarguja and Sukma.
- ❖ **NFSM- Oilseeds**
 - i) MM I – Oilseeds (27 Districts) - All the 27 districts of the state.
 - ii) MM II- Oilpalm (11 Districts)-Balod, Janjgir, Korba, Mahasamund, Dantewada, Jagdalpur, Kanker, Raigarh, Bilaspur, Sukma, Durg.
 - iii) MM III - TBOs (03 Districts) - Jagdalpur, Sarguja, Koriya.
- ❖ **TRFA09 Districts-** Gariyaband, Raigarh, Rajnandgaon, Kanker, Kondagaon, Sarguja, Bilaspur, Baloda Bazar, Jagdalpur.
- ❖ **BGREI (14 Districts)** - Gariyaband, Mahasamund, Dhamtari, Durg, Balod, Bemetera, Janjgir, Sarguja, Surajpur, Balrampur, Kanker, Narayanpur, Jagdalpur, Kondagaon.
- ❖ **RKVY (27 Districts)** - All the 27 districts of the state.
- ❖ **National Horticulture Mission (19 Districts)**– Balod, Balodabazar, Balrampur, Bemetera, Bilaspur, Durg, Korba, Gariyaband, Jagdalpur, Jashpur, Kawardha, Surajpur, Kondagaon, Korba, Mungeli, Raigarh, Raipur, Rajnandgaon, Sarguja.
- ❖ **Seed-hub Pulses (07 Districts)** - AICRP-Bhatapara, KVK- Bhatapara, Ambikapur, Rajnandgaon, Kawardha, Kanker, Janjgir-Champa
- ❖ **Seed-hub Oilseed (01 District)** - KVK-Bemetera
- ❖ **Seed-hub Millet (01 District)** - AICRP Millets –Jagdalpur (ZARS)
- ❖ **EBSP-Millet (01)** - IGKV-Raipur

3. Budget Allocation

i) CS/CSS Schemes:

- ❖ Financial Allocation for all the CS/CSS during 2018-19 for CG state is Rs. 574.72 Cr. (Central- Rs. 344.83 + State Rs. 229.89 Cr.).
- ❖ **NFSM:** Total allocation is Rs. 154.62 Cr. (GoI - Rs.92.77 Cr. + State Rs. 61.85 Cr.). Total available funds are Rs. 107.85 Cr. (Release Rs. 64.51 Cr. + Revalidation amount is Rs. 43.34 Cr.) as on Jan., 2019 Monthly Progress Report.
- ❖ **NFSM – (OS, OP & TBOs) :** Total allocation is Rs. 27.06 Cr. (GoI - Rs.16.23 Cr. + State Rs. 10.82 Cr.). Total available funds are Rs.7.36 Cr. (Release Rs. 7.36 Cr.) as on Jan., 2019 Monthly Progress Report.
- ❖ **RKVY-TRFA** is operational in 09 districts (incl. visited district Bilaspur) with the target to cover 4.95 lakh ha area during 2018-19. Under TRFA 2018-19, allocation is Rs. 41.03 Cr. (Pulses - Rs. 31.76 Cr. + Oilseed Rs. 9.27 Cr.); available funds are Rs. 14.75 Cr. (Release Rs. 9.87 Cr. + Revalidation Rs. 4.88 Cr.).
- ❖ **RKVY-BGREI** is operational in 14 districts (incl. visited district Jangir-champa). For 2018-19 total allocation is Rs. 81.88 Cr.(Rice - Rs. 65.30 Cr. + Wheat Rs. 16.58 Cr.). Available funds are Rs. 87.50 Cr. (Release Rs. 40.93 Cr. + Revalidation Rs. 46.57 Cr.).
- ❖ **RKVY-RAFTAR:** Total allocation is Rs. 85.75 Cr. (Central- Rs. 51.45 Cr. + State- Rs. 34.30 Cr.); available funds are Rs. 43.83 Cr. (Release Rs. 29.62 Cr. + Revalidation Rs.14.20 Cr.).
- ❖ **RKVY (RPS):** Total allocation is Rs. 6.63 Cr. (Central- Rs. 3.98 Cr. + State- Rs. 2.65 Cr.); available funds are Rs. 1.68 Cr. (Revalidation Rs.1.68 Cr.).
- ❖ **NMAET (SMSP):** Total allocation is Rs. 5.67 Cr. (Central- Rs. 3.40 Cr. + State- Rs. 2.27 Cr.); available funds are Rs. 21.62 Cr. (Release Rs. 21.20 Cr. + Revalidation Rs.0.42 Cr.).
- ❖ **NMSA (RAD):** Total allocation is Rs. 10.84 Cr. (Central- Rs. 6.50 Cr. + State- Rs. 4.34 Cr.); available funds are Rs. 11.42 Cr. (Release Rs. 5.42 Cr. + Revalidation Rs.6.00 Cr.).
- ❖ **NMAET (SMAE):** Total allocation is Rs. 48.00 Cr. (Central- Rs. 28.80 Cr. + State- Rs. 19.20 Cr.); available funds are Rs. 15.75 Cr. (Release Rs. 15.75 Cr.).
- ❖ **SHM:** Total allocation is Rs. 15.06 Cr. (Central- Rs. 9.04 Cr. + State- Rs. 6.03 Cr.); available funds are Rs. 10.06 Cr. (Release Rs. 8.24 Cr. + Revalidation Rs.1.82 Cr.).
- ❖ **PKVY:** Total allocation is Rs. 39.76 Cr. (Central- Rs. 23.86 Cr. + State- Rs. 15.91 Cr.); available funds are Rs. 5.67 Cr. (Revalidation Rs.5.67 Cr.).
- ❖ **PMKSY:** Total allocation is Rs. 61.00 Cr. (Central- Rs. 36.60 Cr. + State- Rs. 24.40 Cr.); available funds are Rs. 25.43 Cr. (Release Rs. 13.45 Cr. + Revalidation Rs.11.98 Cr.).

- ❖ Apart from the central sponsored Schemes, the state govt. also operate different schemes in agriculture like **Krishak Samagra Vikas Yojana, Jaivik Kheti Mission, Plant Protection Scheme, Commercial crops Scheme, Sakambhari Yojana, Micro- irrigation Scheme** etc.
- ❖ Where, during 2018-19, Rs. 9302 lakh is allocated under Krishi Samagra Vikas Yojana, Rs. 3000 lakh under Jaivik Kheti Mission, Rs. 61.85 lakh under Plant Protection Scheme, Rs. 77.01 lakh under Commercial crops Scheme, Rs. 4000 lakh under Sakambhari Yojana and Rs. 2380 lakh under Micro-irrigation Scheme.

4. Seed Minikit Distribution : 2018-19

Kharif 2018-19- Total seed minikit allocation is 4000 Nos. in Pulses (Pigeonpea- var.-TJT-501) and 42500 in Oilseed (Soybean-30000, Groundnut-5000 and Sesamum-7500) + 32400 Additional Allocation of oilseed (Soybean-27000 and Groundnut-5400).

- ❖ **Rabi 2018-19-** Total seed minikit allocation is 14875 Nos. in Pulses (Gram- 5500, Lentil- 9375) and 69600 in Oilseed (Mustard-65000, Safflower-1000 and Groundnut-3600).
- ❖ **Summer 2018-**Total seed minikit allocation is 3000 Nos. in Oilseed (G. Nut var. Kadiri-9).
- ❖ **TRFA 2018-19-**Total seed minikit allocation is 14000 Nos. in Oilseeds.

NATIONAL LEVEL MONITORING TEAM REPORT (RABI-2018-19) TO REVIEW THE IMPLEMENTATION OF NATIONAL FOOD SECURITY MISSION

NFSM: Background

- 1.1 The National Food Security Mission, a Centrally Sponsored Scheme (CSS) on Crop/commodity development programmes for Rice, Wheat and Pulses was launched during the 11th five year plan (2007-08 to 2011-12) consequent upon the recommendation of 53rd Meeting of National Development Council dated May 29th, 2007. The Mission envisaged to achieve additional food-grain production of 20 million tonnes from the base year 2006-07 consisting of Rice, Wheat & Pulses by 10, 8 and 2 million tonnes respectively by the end of Eleventh Plan (2011-12). During 2011-12, the all India food grains production was 259.29 million tonnes, a hike of 42 MT additional from the base year 2006-07. An Additional increase of 11, 19 and 2.89 million tonnes under rice, wheat and pulses respectively was recorded. Increase in per hectare yield of pulses was 87 kg (612 kg to 699 kg/ha) while increase in wheat and rice was 469 kg (3177 kg/ha) and 272 kg/ha (2393 kg).
- 1.2 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 food grains of 25 million tonnes of food grains *i.e.* from 259.29 MT to 284.29 MT over the base year of XIth Plan (*i.e.* 2011-12) comprising Rice-10 million tonnes, Wheat -08 million tonnes, Pulses - 04 million tonnes & Coarse Cereals-03 million tonnes, is targeted to be achieved at the end of XIIth Plan (2016-17). During 2016-17 the final estimate records a total food grains production of 275.11 MT comprising Wheat (98.51 MT) Rice (109.70 MT), Pulses (23.13 MT) and Coarse Cereals (43.77MT). An Additional increase of 3.63, 4.40, 6.04 and 1.76 million tonnes under rice, wheat, pulses and coarse-cereals respectively was recorded. Increase in per hectare yield of pulses was 87 kg (699 kg to 786 kg/ha) while increase in wheat by 23 kg (3177 kg to 3200 kg/ha) and rice was 101 kg/ha (2393 kg to 2494kg/ha).
- 1.3 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 foodgrains production comprising of Rice - 5 million tonnes, Wheat- 3 million tonnes, Pulses- 3 million tonnes and Coarse Cereals- 2 million tonnes by 2019-20.
- 1.4 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 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. These Operational Guidelines are for NFSM-Foodgrains, Commercial Crops, Oilseeds and Oilpalm, Seed Village Programme and Sub Mission on Nutri -cereals.

- 1.4.1 The existing Centrally Sponsored Scheme have also been rationalized and 03 schemes viz. (i) Krishi Unnati Yojana (ii) National Crop Insurance Programme (NCIP) and (iii) Pradhan Mantri Krishi Sinchai Yojana (PMKSY) are operational since 2015-16. NFSM-2015-16 is a part of Krishi Unnati Yojana (State Plan). From 2016-17, the revamped NFSM under State Plan Scheme–Krishi Unnati Yojana (State Plan) with interim sharing pattern of 60:40 between Centre and State is under implementation in 29 states.
- 1.4.2 A total Share of Rs. 2419.33 Cr. (incl. commercial crops) with a central share- Rs.1536.52 and state share-Rs. 882.81 crores has been approved during 2018-19. For pulses Rs. 1487.79 Cr. (central–923.99 + state–563.80Cr); for rice Rs. 412.94Cr (central–280.55+ state–132.38 Cr.); for wheat Rs. 191.09Cr (central–121.01 +state–70.09 Cr.), coarse cereals 129.55 Cr. (central–87.85 + state– 41.70 Cr), sugarcane Rs. 16.45 Cr. (central- 9.87 + state- 6.58 Cr.), cotton Rs. 16.76 (central-10.35 + state-6.41 Cr.), and NFSM-Jute/Mesta Rs. 13.76 Cr. (central- 9.72+ state- 4.04Cr); NFSM-Sub-mission on Nutri-cereals for Millets Rs. 150.99 Cr. (central - Rs. 93.09 Cr + state-Rs. 57.90 Cr.) and for Additional Pulses Rs. 296.03 Cr. (Central Rs.192.35 + State- Rs. 488.39 Cr.).
- 1.4.3 The total NFSM allocation during 2018-19 for Chhattisgarh is 127.12 Cr. with a central share of Rs. 76.27 and state's share of Rs. 50.85 Cr.. For NFSM-Pulses the total share is Rs. 66.37 Cr. (Central Rs. 39.82 + State- Rs. 26.55 Cr.); for NFSM- Rice Rs. 55.03 Cr. (Central- Rs. 33.02 + State- Rs. 22.01 Cr.), for NFSM-Coarse Cereals Rs. 4.11 Cr. (Central- Rs. 2.47 + State's- Rs. 1.64 Cr.), NFSM-Sub-mission on Nutri-cereals for Millets Rs. 1.62 Cr (central - Rs. 0.97 Cr + state-Rs. 0.65 Cr.) and for Additional Pulses Rs. 27.50 Cr. (Central Rs.16.50 + State- Rs.11.00 Cr.);
- 1.4.4 To achieve the above objectives, the Mission would adopt following strategies: i) Focus on low productivity and high potential districts including cultivation of food grain crops in rain fed areas; ii) 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)/ on Rice, Wheat, Pulses; distribution of certified HYV seeds/Hybrid seeds, irrigation machineries/MIS, trainings and undertaking local initiatives to the tune of 9% of total budgetary allocation for crop productivity enhancement; 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.

- 1.4.5 Special emphasis has also to be 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).
- 1.4.6 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.
- 1.4.7 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: 2018-19

Commodities	All India		Chhattisgarh	
	No. of States	No. of District	(No. of districts)	(Name of districts)
NFSM-Pulse (All Districts)	29	638	27	All Districts
NFSM- RICE <ul style="list-style-type: none"> General state- (A >50000 ha; Y < state's avg.). Hill States (HP, J&K and UK) (A > 15000 ha). NE states (except Assam) (A-with atleast 5000 ha) 	25	206	13	Balod Bazar, Koriya, Bijapur, Mungeli, Bilaspur, Raigarh, Dantewara (South Bastar), Raipur, Korba Jashpur, Rajnandgaon, Kawardha, (Kawardha), Sukma
NFSM- Coarse Cereals				
Maize	27	271	08	Jagdalpur, Balrampur, kondagaon, Sarguja, Kanker, Korla, Surajpur, Gariyaband
Other Millets (Kodo, Foxtail Millet, Little Millet, Barnyard Millet, Small millet, etc (districts covering 70% of total state's area)	14	202	10	Balarampur, Bastar (Jagdalpur), Dantewada (South Bastar), Kawardha (Kawardha), Kanker (North Bastar), Koriya, Kondagaon, Sarguja, Rajnandgaon, Sukma

3. Monitoring Mechanism /Mission Structure

Monitoring	Body	Composition	Review Meeting/ Visit
National Level	i) General Council(GC)	<ul style="list-style-type: none"> Minister of Agri. & Farmers Welfare - Chairman Secretary AC & FW/DARE)& DG (ICAR)/ Deptt. of Expenditure, MoF/ Deptt. of Food & Public Distribution/ MoPR / MoTA/Deptt. of Social Justice & Empowerment/ MoW&CD - Member Addl. Secretary & Financial Advisor (DAC&FW) - Member Agri.Commissioner (DAC&FW) - Member Advisor (Agri.), NITI AYOGE - Member Joint Secretary, MoEF - Member Mission Director (NFSM) - Member Secretary 	Twice a year
	ii) NFSM- Executive Committee (NFSMEC)	<ul style="list-style-type: none"> Secretary (AC&FW) - Chairman Secretary DARE & DG (ICAR)/ MoWR/ Deptt. of Fertilizer/ Deptt. of Food & Public Distribution / MoPR / MoTA/ Deptt. of Social Justice & Empowerment/ MoW&CD - Member Addl. Secretary & Financial Advisor (DAC&FW) - Member ADG (Oilseeds, ICAR) - Member Agri. Commissioner - Member Advisor (Agri.), NITI AYOGE - Member Five Experts on crop matter- Member Joint Secretary (Crops) & National Mission Director (NFSM) - Member Secretary 	Quarterly
	iii) National Level Monitoring Team (NLMT)	<ul style="list-style-type: none"> Director CDDs- Co-ordinator Scientist SAUs/JDA –Member 	Twice a year (Kharif + Rabi)
State Level	State Food Security Mission Executive Committee (SFSMEC) Monitoring Committee	<ul style="list-style-type: none"> Chief Secretary - Chairman Agri. Prod. Commissioner - Member Secretary Agri./ Irrigation/ Power/ Panchayati Raj/ Tribal Affairs/ Social Welfare Deptt./ Food & Public Distribution - Member VCs of SAU - Member Director (Agriculture) - Member Director/PD (ICAR) - Member 	Twice a year (Kharif + Rabi)

		<ul style="list-style-type: none"> • DPD/CDD Govt. of India - Member • SSC - Member • Representative of Lead Bank & NABARD - Member • IISS/CIAE/NISR/DWR - Member • State Mission Director - Member Secretary 	
District Level	District Food Security Mission Executive Committee (DFSMEC)	<ul style="list-style-type: none"> • District Collector/CEO - Chairman • Representative Line depart. /SHGs/ NGOs/ KVK/ ICAR/SAUs/ Lead Bank/NABARD - Member • Progressive Farmer - Member • PD ATMA - Member • DDA/DAO/DHO - Member Secretary 	Quarterly

4. NLMT- Composition

Name	Organization
Dr. A. K. Tiwari, Director Team Leader	Govt. of India, Min. of Agri. & FW (DAC&FW), Directorate of Pulses Development, Bhopal. M. No. 9425010489; Email- dpd.mp@nic.in
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5. State Profile

Particulars	Bilaspur	Jangir-Chmapa	Kawardha	CG - State
Population (Lakh)	19.61	13.94	8.22	255.45
Geographical Area (000 ha)	581.85	446.67	444.71	13790
Net Sown Area (000 ha)	233.94	258.20	185.62	4775
Double Cropped Area (000 ha)	57.40	48.00	87.63	1047
Gross Cropped Area (000 ha)	298.21	306.20	241.46	5673
Forest Cover (000 ha)	111.19	79.33	189.45	6355
Net Irrigated Area (%)	35%	78%	52%	43%
Cropping Intensity (%)	127%	119%	130%	119%
Average Rainfall (mm)	1189	1241	866	1256

Particulars	Bilaspur	Jangir-Chmapa	Kawardha	CG - State
Soil Type (000 ha)				
Alfisols (Dorsa-Clay loam)	110.44 (46%)	90.89 (35%)	93.388 (33%)	148.49 (27%)
Inceptisols (Matasi Sandy loam)	66.03 (27%)	85.80 (33%)	133.411(47%)	214.49 (40%)
Vertisols (Kanhra-Clayey)	44.06 (18%)	55.95 (22%)	48.917 (17%)	113.78 (21%)
Entisols (Bhata-Gravelly)	22.45 (10%)	25.536 (10%)	8.9 (3%)	65.99 (12%)
Total	245.98	258.20	284.62	542.75
Source-wise Irrigated Area (000 ha)				
Tube well	73.84	10.62	48.72	1402
Canal	105.82	220.91	19.04	968.13
Tank	9.41	0.41	8.37	43.551
Wells	1.83	0.12	1.32	834.03
Others	0.82	7.28	2.95	1845.71
Total Irrigated Area	191.72	239.34	80.39	5093.42

6. Crop Coverage (Kharif & Rabi)

A. Crop Achievement/Target : 2018-19

(A-Lakh ha, P-Lakh tonnes, Y-kg/ha)

S. No.	Crop	Season	Area	Production		Yield	% Achiev. in production
				Target	Achievement		
Cereals							
1	Paddy	Kharif	36.61	66.00	61.87	1690	94
2	Wheat	Rabi	1.07	1.50	1.46	1373	98
3	Jowar	Kharif	0.03	0.05	0.03	950	65
4	Bajra	Kharif	0.001		0.001	556	
5	Maize	Kharif	1.30	3.00	2.85	2184	95
6	Ragi	Kharif	0.07		0.02	236	
7	Small Millets	Kharif	0.79	0.30	0.18	226	60
8	Barley	Rabi	0.02	0.04	0.02	926	44
Total Cereals		Kharif	38.81	69.35	64.95	1673	94
		Rabi	1.09	1.54	1.48	1365	96
		Total	39.90	70.89	66.43	1665	94
Pulses							
1	Tur	Kharif	0.87	0.53	0.46	534	87
2	Gram	Rabi	3.71	2.50	3.50	943	140
3	Urdbean	Kharif	0.67	0.29	0.21	314	73
		Rabi	0.04	0.01	0.01	310	122
		Total	0.71	0.30	0.22	314	75
4	Mungbean	Kharif	0.14	0.06	0.05	398	91
		Rabi	0.04	0.06	0.01	286	18
		Total	0.17	0.12	0.07	374	54
5	Lentil	Rabi	0.15		0.05	348	
6	Other Pulses	Kharif	0.35	0.16	0.12	348	77
7	Other Pulses	Rabi	2.18	2.15	1.53	702	71
Total Pulses		Kharif	2.03	1.04	0.85	419	82
		Rabi	6.12	4.72	5.11	835	108
		Total	8.15	5.76	5.96	731	103
Oilseeds							

S. No.	Crop	Season	Area	Production		Yield	% Achiev. in production
				Target	Achievement		
1	Groundnut	Kharif	0.27	0.48	0.38	1420	79
2	Sesamum	Kharif	0.27	0.10	0.10	370	100
3	Nigerseed	Kharif	0.36	0.16	0.07	179	41
4	Soybean	Kharif	1.15	1.25	0.77	670	62
6	Sunflower	Kharif	0.0006		0.0003	500	
		Rabi	0.004		0.002	462	
		Total	0.005		0.002	467	
7	Rapeseed & Mustard	Rabi	0.36	0.51	0.18	506	36
8	Linseed	Rabi	0.26	0.14	0.10	365	69
9	Safflower	Rabi	0.03		0.01	324	
Total Oilseeds		Kharif	2.05	1.99	1.32	641	66
		Rabi	0.66	0.65	0.29	440	45
		Total	2.72	2.64	1.61	592	61
Commercial Crops							
D.	Sugarcane		0.33	5.00	14.88	45180	
E.	Mesta		0.01	0.02	0.02	367	

Source: DES, GoI, Ministry of Agri. & FW (DAC&FW) IInd Advance Estimate-2018-19

7. MAJOR CROP: XIIth PLAN & POST FIVE YEAR PLAN ANALYSIS

The comparative analysis of the area, production and yield in XIIth plan and beyond the plan in year 2017-18 (Table 7.1) shows an increasing trend in area (Maize, Arhar, Mung, Sesame) in production and productivity (Jowar, Maize, Arhar, Urd, Mung, Sesame, S.Millets, G.nut and Niger) in CG State. Crop diversion from cereal and oilseed to pulses is seen in CG state.

7.1 KHARIF CROPS

(A-Lakh ha, P-Lakh tonnes, Y-kg/ha)

S. No.	Crops	State/ AI	XII th Plan*			Post five year Plan (2017-18) #			Increase/decrease over XII th Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	Cereals										
1	Paddy	CG	38.08	66.97	1759	37.61	47.26	1256	-1	-29	-29
		AI	395.39	925.92	2342	437.89	1129.05	2578	11	22	10
2	Jowar	CG	0.05	0.04	831	0.04	0.05	1485	-29	26	79
		AI	22.34	22.63	1013	18.99	21.00	1106	-15	-7	9
3	Bajra	CG	0.001	0.0003	475						
		AI	74.03	89.95	1215	73.83	91.31	1237	-0.3	2	2
4	Maize	CG	1.15	2.37	2059	1.33	3.18	2380	16	34	16
		AI	74.22	170.67	2300	76.23	202.43	2656	3	19	15
5	Ragi	CG	0.07	0.02	249	0.05	0.01	248	-29	-29	-0.3
		AI	11.37	17.65	1552	11.99	19.77	1649	5	12	6
6	Small millet	CG	1.11	0.25	222	0.89	0.21	236	-20	-14	6
		AI	6.59	4.17	633	5.25	4.37	832	-20	5	31
Kha. Coarse Cereals		CG	2.38	2.67	1122	2.31	3.45	1492	-3	29	33
		AI	188.55	305.06	1618	186.29	338.87	1819	-1	11	12
Total Cereals		CG	40.46	69.64	1721	39.92	50.71	1270	-1	-27	-26
		AI	583.94	1230.99	2108	624.17	1467.92	2352	7	19	12
B.	Pulses										
1	Arhar	CG	0.57	0.33	6656	0.58	0.35	601	1	4	3
		AI	41.90	32.88	785	44.31	42.54	960	6	29	22
2	Urd	CG	0.93	0.29	315	0.93	0.30	321	-1	1	2
		AI	27.00	14.72	545	44.95	28.37	631	67	93	16

S. No.	Crops	State/ AI	XII th Plan*			Post five year Plan (2017-18) #			Increase/decrease over XII th Plan		
			A	P	Y	A	P	Y	A	P	Y
3	Moong	CG	0.09	0.03	361	0.10	0.05	470	11	44	30
		AI	24.93	10.51	421	32.85	14.38	438	32	37	4
4	Other Kha.Pulses	CG	0.48	0.16	333	0.40	0.15	391	-17	-2	18
		AI	18.10	7.42	410	18.71	8.15	436	3	10	6
Total Kha. Pulses*		CG	2.07	0.82	394	2.00	0.85	423	-3	4	7
		AI	111.93	65.52	585	140.83	93.45	664	26	43	13
*Total Pulses incl.(Kulthi, Mothbean & Other Pulses)											
C.	Oilseed										
1	Soybean	CG	1.09	0.89	816	0.96	0.46	481	-12	-48	-41
		AI	112.51	117.26	1042	104.71	109.81	1049	-7	-6	1
2	G.Nut	CG	0.26	0.38	1460	0.20	0.33	1645	-21	-11	13
		AI	42.01	57.18	1361	41.79	91.79	2196	-1	61	61
3	Sesamum	CG	0.19	0.07	355	0.25	0.08	336	34	27	-5
		AI	17.50	7.65	437	15.09	7.51	498	-14	-2	14
4	Niger/ Ramtil	CG	0.64	0.11	177	0.56	0.10	188	-13	-8	6
		AI	2.70	0.87	322	2.12	0.74	349	-22	-15	8
5	Other Kha. Oilseed	CG	0.01	0.002	379						
		AI	12.75	18.76	1472	1.97	0.12	63	-85	-99	-96
Total Kha.Oilseeds		CG	2.18	1.44	664	1.97	0.98	500	-10	-32	-25
		AI	187.47	201.72	1076	165.67	209.96	1267	-12	4	18
(Other Kharif Oilseeds include Castor and Sunflower)											

Source: DES, GoI, XIIth plan (2012-13 to 2016-17); 2017-18# - IVth Advance Estimate.

7.2 RABI CROPS

The comparative analysis of the area, production and yield in XIIth plan and beyond the plan in year 2017-18 (Table 7.2) shows an increasing trend in area (Mung, Gram, Sugarcane) in production and productivity (Urd, Gram, Sugarcane and Mesta) in CG State.

Crop diversion from cereal and oilseed to pulses and commercial crops is seen in CG state.

(A-Lakh ha, P-Lakh tonnes, Y-kg/ha)

S. No.	Crops	State /AI	XII th Plan*			Post five year Plan 2017-18#			Increase/decrease over XII th Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	Cereals										
1	Wheat	CG	1.05	1.42	1349	1.01	1.31	1289	-3	-8	-4
		AI	306.29	933.36	3047	295.76	997.00	3371	-3	7	11
2	Barley	CG	0.02	0.02	903	0.02	0.02	903	-21	-21	
		AI	6.64	16.76	2523	6.62	17.73	2679	-0.4	6	6
Total Rabi Cereals		CG	1.07	1.44	1339	1.03	1.32	1282	-4	-8	-4
		AI	408.44	1882.30	2895	351.52	1128.01	3209	-14	-5	11
Coarse Cereals included in Total Rabi Cereals											
B.	Pulses										
1	Urd	CG	0.07	0.02	241	0.05	0.01	272	-25	-16	13
		AI	8.13	6.10	749	9.44	7.25	768	16	19	3
2	Mung	CG	0.07	0.02	279	0.07	0.01	205	2	-25	-26
		AI	9.62	5.60	582	9.72	5.71	587	1	2	1
4	Gram	CG	2.87	2.74	953	3.18	3.16	995	11	16	4
		AI	89.45	84.25	942	105.61	112.29	1063	18	33	13
5	Lentil	CG	0.16	0.06	385	0.13	0.05	352	-20	-27	-9
		AI	13.94	10.77	773	15.54	16.07	1034	11	49	34

S. No.	Crops	State /AI	XII th Plan*			Post five year Plan 2017-18#			Increase/decrease over XII th Plan		
			A	P	Y	A	P	Y	A	P	Y
6	Other Rabi Pulses	CG	3.55	2.63	741	2.41	1.35	561	-32	-49	-24
		AI	19.69	16.17	821	18.80	17.58	935	-5	9	14
*Total Rabi Pulses		CG	6.73	5.47	813	5.84	4.59	786	-13	-16	-3
		AI	140.84	122.90	873	159.10	158.90	999	13	29	14
*Total Pulses include Pea, Lathyrus and other pulses											
C.	Oilseeds										
1	Rapeseed /Mustard	CG	0.47	0.24	508	0.44	0.18	415	-8	-25	-18
		AI	61.25	73.80	1205	55.83	83.22	1491	-9	13	24
2	Linseed	CG	0.29	0.10	347	0.26	0.06	248	-11	-37	-29
		AI	2.93	1.51	516	3.09	1.75	567	6	16	10
3	Other Rabi Oilseeds	CG	0.01	0.002	297	0.003	0.001	294	-54	-55	-1
		AI	13.14	18.42	679	9.32	18.15	1946	-29	-1	39
Total Rabi Oilseeds		CG	0.77	0.34	446	0.70	0.25	353	-10	-29	-21
		AI	77.32	93.74	1136	68.24	103.12	1511	-12	10	25
Other Rabi Oilseeds include Safflower, Sunflower (- Rabi Groundnut)											
D.	Commercial Crops										
1	Sugarcane	CG	0.19	2.05	10584	0.30	12.47	41706	54	509	294
		AI	48.84	3420.38	70027	43.67	3769.05	86311	-11	10	23
2	Mesta	CG	0.01	0.02	333	0.01	0.02	348	-10	-6	5
		AI	0.68	5.64	1497	0.27	5.08	3424	-61	-10	129

Source: DES, GoI, XIIth plan (2012-13 to 2016-17); 2017-18# - IVth Advance Estimate

7.3 SPRING/SUMMER CROP COVERAGE: 2018-19

(Unit-Lakh ha)

S. No.	Crop	2018-19 Target	Achievement		% Coverage over	
			2018-19 (02.03.2019)	2017-18 (05.03.2018)	Target	Last Year
1	Paddy	0.56	1.46	0.46	261	82
2	Maize	0.55	0.33	0.20	60	36
	Total Cereal	1.11	1.79	0.66	161	59
3	Moong	0.15	0.07	0.10	44	67
4	Urd	0.11	0.06	0.06	51	55
	Total Pulses	0.26	0.13	0.16	50	62
5	Sunflower	0.12	0.06	0.08	52	67
6	Groundnut	0.22	0.10	0.17	47	77
	Total Oilseeds	0.34	0.16	0.25	48	74
	Total	1.71	2.08	1.07	122	63

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

8. Crop Development Schemes/Programmes in Chhattisgarh

8.1 NFSM : Allocation & Expenditure (2017-18)

(Rs. in Lakh)

S. No	Name of Crop/ Scheme	Revalidate (2016-17)	Allocation	Total Release	Available Amount	Expenditure	Unspent Balance as on 01.02.2018	% Achiev.	Remark
1	Paddy	2073.54	5375.77	2786.30	4904.97	2485.56	2419.41	51	4904.97 *- (28.20-Interest + 16.93-Cheque Reversal)
2	Pulses	695.82	5266.83	4098.83	4897.18	3767.24	1129.94	77	4897.18*- (95.94-Interest + 6.59-Cheque Reversal)
3	Addl. Pulses		2575.00	2575.00	2575.00	1930.70	644.30	75	-
4	Coarse Cereals	159.78	287.75	143.87	304.95	164.38	140.57	54	304.95* (1.30- Interest)
Total		2929.14	13505.35	9604.00	12682.10	8347.88	4334.22	66	

Source: SDA, Govt. of CG, Audited Report of November 2017-18.

8.2 NFSM : Allocation & Expenditure: 2018-19 (As on 31.02.2018)

(Rs. In Lakh)

S. No	Name of Crop/ Scheme	Revalidate (2017-18)	Allocation	Release	Available Amount	Expenditure	Unspent Balance as on 31.01.2019	% Achiev.
1	Paddy	2419.41	5502.50	1122.47	3541.88	3243.05	298.38	92
2	Pulses	1774.24	6636.67	2277.88	4052.12	2738.74	1313.38	68
3	Addl. Pulses	-	2750.00	2750.00	2750.00	556.87	2193.13	20
4	Coarse Cereals	140.57	410.89	179.08	319.65	303.72	15.93	95
5	Nutri-Cereals	-	161.55	121.17	121.17	39.24	81.93	32
Total		4334.22	15461.61	6450.6	10784.82	6881.62	3903.20	64

Source: SDA, Govt. of CG, Monthly Progress Report of NFSM

8.3 Centrally Sponsored Schemes: 2018-19

(up to Feb. 2019)

(Rs. in Lakh)

Schemes	Allocation			Available Fund			Expenditure			%
	Central	State	Total	Revali.	Release	Total	Central	State	Total	Util. Ava.
NFSM										
Pulses	3982.00	2654.67	6636.67	1774.24	2277.88	4052.12	1643.24	1095.50	2738.74	68
Addl. Pulses	1650.00	1100.00	2750.00	0.00	2750.00	2750.00	334.12	222.75	556.87	20
Paddy	3301.50	2201.00	5502.50	2419.41	1122.47	3541.88	1945.83	1297.22	3243.05	92
Coarse Cereals	246.53	164.36	410.89	140.57	179.08	319.65	182.23	121.49	303.72	95
Nutri-Cereals	96.93	64.62	161.55	0.00	121.17	121.17	23.54	15.70	39.24	32
NFSM-MM I (Oilseeds)	652.04	434.70	1086.74	285.87		285.87	143.33	95.56	238.89	84
NFSM-MM II (Oilpalm)	864.62	576.42	1441.04	411.50		411.50	121.58	81.05	202.63	49
MM III (TBOs)	106.76	71.17	177.93	38.53		38.53	14.60	9.73	24.33	63

Schemes	Allocation			Available Fund			Expenditure			% Util. Ava.
	Central	State	Total	Revali.	Release	Total	Central	State	Total	
Total NFSM	10900.39	7266.93	18167.32	5070.12	6450.60	11520.72	4408.48	2938.99	7347.47	64
RKVY (RAFTAR)	5144.75	3429.83	8574.58	1420.35	5231.87	6652.22	2517.53	1678.36	4195.89	63
RKVY - (RPS)	397.80	265.20	663.00	168.47		168.47	57.04	38.02	95.06	56
RKVY-BGREI	4912.82	3275.22	8188.04	4657.09	7462.28	12119.37	2848.60	1899.06	4747.66	39
RKVY (TRFA)	2461.56	1641.04	4102.60	488.27	986.73	1475.00	607.83	405.22	1013.05	69
NMSA (RAD)	650.42	433.62	1084.04	600.00	541.67	1141.67	426.39	284.26	710.65	62
PKVY	2385.80	1590.54	3976.34	567.22		567.22	211.02	140.68	351.70	62
SHM	903.83	602.56	1506.39	182.03	1301.98	1484.01	498.64	332.43	831.07	56
PMKSY	3660.00	2440.00	6100.00	1978.43	564.46	2542.89	580.30	386.86	967.16	38
NMAET-SMSP	340.06	226.70	566.76	41.759	2120.24	2162.00	989.96	659.98	1649.94	76
NMAET-SMAE	2880.00	1920.00	4800.00		1624.51	1624.51	944.71	629.80	1574.51	97
NMAET- SMFM	2000.00	1333.33	3333.33	3383.14	2107.66	5490.80	657.94	438.63	1096.57	20
IWSM	13499.93	8999.95	22499.88	1666.66	6952.65	8619.32	5171.59	3447.73	8619.32	100
Total Above	39236.98	26157.98	65394.96	15153.43	28894.05	44047.48	15511.55	10341.03	25852.58	59
Grand Total	50137.37	33424.91	83562.28	21604.03	33964.17	55568.19	19920.03	13280.02	33200.05	60

Rashtriya Krishi Vikas Yojna (RKVY)

- RPS-Reclamation of Problematic soil;
- BGREI-Bringing Green Revolution in Eastern States
- TRFA-Targeted Rice Fallow Area;
- National Mission for Sustainable Agriculture (NMSA) : RAD-Rainfed Area Development

National Mission on Agriculture Extension and Technology

- SMSP-Sub-Mission on Seed and Planting Material
- SMAE-Sub-Mission on Agriculture Extension
- SMFM -Sub-mission on Farm Mechanization
- IWSM : Integrated Watershed Management

9. National Food Security Mission: Physical and Financial Progress 2018-19 (Upto Feb., 2019)

The Physical and Financial progress during 2018-19 under NFSM (Pulses, Additional Pulses, Rice, Wheat, Coarse Cereals and Nutri-cereal) towards critical interventions are indicated below (Table-9.1 & 9.2).

9.1 NFSM: Physical Progress (2018-19)

(Unit: in Nos.)

Component	Pulses (27)			Additional Pulses			Rice (13)			C. Cereals (08)			Nutri-cereals (10)		
	T	A	%	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	18778	18378	98	17055	11605	68	22879	20880	91	4794	4794	100	858	400	47
Prod. & dist. of seeds (Qtls)	42007	12959	31	6602	1638	25	51930	19490	38	1632	50	3	1941	102	5
INM (ha)	95000	46596	49	45000	5600	12	48490	41430	85	-	-	-	5148	1700	33
IPM (ha)	103073	50500	49	45000	8334	19	115075	115075	100	-	-	-	-	-	-
RCT (Nos.)	31229	21289	68	50910	4000	8	45139	0	0	-	-	-	-	-	-
CSBT (Nos.)	315	78	25				241	180	75	-	-	-	65	10	15
Total	290402	149800	52	164567	31177	19	283754	197055	69	6426	4844	75	8012	2212	28

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

9.2 NFSM: Financial Progress (2018-19)

(Fin: Rs. in Lakh)

Component	Pulses (27)			Additional Pulses			Rice (13)			C. Cereals (08)			Nutri-cereals (10)		
	T	A	%	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	1910.76	1156.53	61	1534.95	504.60	33	2461.05	1772.64	72	287.64	215.73	75	51.48	27.70	54
Prod. & dist. of seeds (Qtls)	1910.75	265.39	14	245.05	19.27	8	1100.50	441.00	40	123.25	87.99	71	51.48	2.69	5
INM (ha)	440.00	242.68	55	195.00	9.00	5	249.95	213.15	85	-	-	-	25.74	8.50	33
IPM (ha)	515.37	252.50	49	225.00	24.00	11	575.38	575.38	100	-	-	-	25.74	8.50	33
RCT (Nos.)	982.98	187.73	19	550.00			917.79	108.16	12	-	-	-			
CSBT (Nos.)	44.10	10.93	25				33.74	25.20	75	-	-	-	9.10	0.35	4
Total	5803.96	2115.76	36	2750.00	556.87	20	5338.40	3135.53	59	410.89	303.72	74	137.80	39.24	28

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

10. Bringing Green Revolution in Eastern India: Physical and Financial Progress 2018-19 (Upto Feb., 2019)

The Physical and Financial progress during 2018-19 under BGREI (Rice and Wheat) towards critical interventions are indicated below (Table-11.1 & 11.2).

10.1 BGREI- Rice : Physical and Financial Progress (2018-19)

(Unit: in Nos; Fin: Rs. in Lakh)

Component	Unit	Physical			Financial		
		T	A	%	T	A	%
Cluster Demonstration	ha	25205	25205	100	2652.75	2264.21	85
Production of seeds	Qtls	14580	17521	120	331.60	154.65	47
Distribution of Seeds	Qtls	14632	18569	127	663.20	294.85	44
INM	ha	76230	76475	100	331.65	253.25	76
IPM	ha	53056	50875	96	265.28	206.31	78
Asset Building	Nos.	20800	10574	51	994.80	387.76	39
Site Specific	Nos.	65	51	78	994.80	350.65	35
Post Harvest APEX BANK		0	0		229.65	107.17	47
CSBT	Nos.	474	381	80	66.32	39.62	60
Contingency						1.46	
Grand Total					6530.05	4059.92	62

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

10.2 BGREI- Wheat : Physical and Financial Progress (2018-19)

(Unit: in Nos; Fin: Rs. in Lakh)

Component	Unit	Physical			Financial		
		T	A	%	T	A	%
Cluster Demonstration	ha	9211	8200	89	828.99	542.76	65
Production of seeds	Qtls	8290	1650	20	82.90	12.63	15
Distribution of Seeds	Qtls	24870	6225	25	248.70	76.76	31
INM	ha	20580	11802	57	82.90	26.27	32
IPM	ha	13264	8424	64	66.32	20.78	31
Asset Building	Nos.	3165	50	2	331.60	0.00	0
CSBT	Nos.	119	82	69	16.58	8.54	52
Total					1657.99	687.74	41

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

11. OBSERVATION

District/Block/Village	Event	Observation																								
Baloda bazaar	Review meeting with District Agri. Officers	<ul style="list-style-type: none"> Overall Crop Scenario is good. The district implements NFSM-Rice, NFSM-Pulses & Addl. Pulses, NFSM-Oilseeds (MM-I), TRFA (Oilseeds & Pulses), RKVY, NHM. District has 2.32 Lha khaif area, predominantly paddy in 2.15 Lha (1622 kg/ha against the state's average of 1758 kg/ha. Kharif Pulses are grown in about 7950 ha (Mungbean at a productivity level 348 kg/ha against the state's average of 323 kg/ha. Rabi pulses are cultivated in 50, 600 ha (Gram-6500 ha; Pea-5000 ha; Lentil-1600; Lathyrus-37000 ha). Productivity of lathyrus is 632 kg/ha against the state's average of 714 kg/ha. Kharif Oilseeds are grown in about 3530 ha (Sesamum-1550 ha; G. nut-1490 ha; Soybean-490 ha). There is scope for increase in area under oilseed. The team has also noticed the sum of the old varieties, which are prevalent and suggested to popularize the recommended varieties through Beej Gram Yojna, Cluster Demonstrations, Seed Distribution and also through CFLDs by KVKs. <table border="1"> <thead> <tr> <th>Name of Pulse Crop</th><th>Prevalent Varieties</th><th>Recommended Varieties(ICAR/SAUs)</th></tr> </thead> <tbody> <tr> <td>Pigeonpea</td><td>Asha, LRG-41</td><td>LRG-41, BSMR-863</td></tr> <tr> <td>Urdbean</td><td>TU-94-2, T-9</td><td>PU-31, PU40, IndiraUrd-1</td></tr> <tr> <td>Moongbean</td><td>K-851, Pusa Vishal</td><td>HUM-12, HUM-16</td></tr> <tr> <td>Chickpea</td><td>JG-74, Vijay, Vishal, ICCV-2,</td><td>JG-11, JG-74, Vaibhaw</td></tr> <tr> <td>Lentil</td><td>IPL-81, K-75</td><td>Lens-4076, DPL-62</td></tr> <tr> <td>Peas</td><td>Arkel, Rachna</td><td>Vikash, Prakash, Aparana</td></tr> <tr> <td>Lathyrus</td><td>Prateek</td><td>Mahatiwada</td></tr> </tbody> </table>	Name of Pulse Crop	Prevalent Varieties	Recommended Varieties(ICAR/SAUs)	Pigeonpea	Asha, LRG-41	LRG-41, BSMR-863	Urdbean	TU-94-2, T-9	PU-31, PU40, IndiraUrd-1	Moongbean	K-851, Pusa Vishal	HUM-12, HUM-16	Chickpea	JG-74, Vijay, Vishal, ICCV-2,	JG-11, JG-74, Vaibhaw	Lentil	IPL-81, K-75	Lens-4076, DPL-62	Peas	Arkel, Rachna	Vikash, Prakash, Aparana	Lathyrus	Prateek	Mahatiwada
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Lathyrus	Prateek	Mahatiwada																								
District-Baloda bazaar Block-Kasdol, Village- Darra	i) Kisan Goshti ii) RCT Beneficiary	<ul style="list-style-type: none"> Interaction with the farmers have revealed that timely availability of inputs and market access is the foremost need. NFSM- Multi-crop thresher (Cost-Rs. 1.85 Lakh; Subsidy-Rs. 40,000/-) beneficiary Sh. S.R. Dhrutlahre is earning good income through custom hiring services @ Rs. 900/hr., (40-50 bags of produce/hour). 																								
Janjgir-Champa	Review meeting with District Agri. Officers	<ul style="list-style-type: none"> The district implements NFSM-Pulses, NFSM-Addl. Pulses, NFSM-Oilseeds (MM-I), NFSM-Oilpalm (MM II), BGREI, RKVY, NMAET-SMSP, NMSA (RAD), PKVY, PKSY, PMFBY, ATMA. 																								

District/Block/Village	Event	Observation																					
		<ul style="list-style-type: none"> District has 2.57 Lha khaif area, predominantly paddy in 2.48 Lha (4410 kg/ha against the state's average of 1758 kg/ha). Kharif Pulses are grown in about 2495 ha (Tur-1170 ha, Urd-1033 ha and Mung-285 ha). Tur at a productivity level 850 kg/ha against the SAY- 585 kg/ha & NAY-775 kg/ha). Rabi pulses are cultivated in 6338 ha (Lathyrus-2570 ha, Urd-1521 ha, Gram-962 ha; Pea-423 ha). <i>Productivity of lathyrus is 865 kg/ha against the SAY-763 kg/ha & NAY-841 kg/ha.</i> Oilseeds are grown in kharif (G. nut-272 ha; Sesamum-605 ha). There is scope for increase in area under oilseed. Under NFSM Local initiative (Flexi-funds)–2018-19 the district has a target of 20 storage godowns of 50 tons capacity each. <table border="1"> <thead> <tr> <th>Name of Pulse Crop</th><th>Prevalent Varieties</th><th>Recommended Varieties(ICAR/SAUs)</th></tr> </thead> <tbody> <tr> <td>Pigeonpea</td><td>Asha, Laxmi, LRG-41</td><td>Rajeev Lochan, LRG-41, Asha, UPAS-120</td></tr> <tr> <td>Urdbean</td><td>TAU-1, Azad Urd-3</td><td>TAU-1 TAU-94-2, Azad Urd-3, PU-31</td></tr> <tr> <td>Moongbean</td><td>HUM-2, HUM-1, Pusa Vishal</td><td>HUM-12, HUM-16, Pairy Moong</td></tr> <tr> <td>Chickpea</td><td>JG-11, JG-74</td><td>JG-11, JG-74, Digvijay</td></tr> <tr> <td>Peas</td><td>Arkel</td><td>Prakash, Arkel</td></tr> <tr> <td>Lathyrus</td><td>Prateek, Ratan</td><td>Mahatiwara, Prateek</td></tr> </tbody> </table>	Name of Pulse Crop	Prevalent Varieties	Recommended Varieties(ICAR/SAUs)	Pigeonpea	Asha, Laxmi, LRG-41	Rajeev Lochan, LRG-41, Asha, UPAS-120	Urdbean	TAU-1, Azad Urd-3	TAU-1 TAU-94-2, Azad Urd-3, PU-31	Moongbean	HUM-2, HUM-1, Pusa Vishal	HUM-12, HUM-16, Pairy Moong	Chickpea	JG-11, JG-74	JG-11, JG-74, Digvijay	Peas	Arkel	Prakash, Arkel	Lathyrus	Prateek, Ratan	Mahatiwara, Prateek
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Lathyrus	Prateek, Ratan	Mahatiwara, Prateek																					
	Block-Nawagard, Village –Sukli	<ul style="list-style-type: none"> NFSM Local initiative beneficiary (Flexi-funds) 2018-19, Smt. Anusaiya (SC) for Godown –Rs. 1.50 Lakh. The district has a target of 20 such godowns of 50 tons capacity each. This farmer is also beneficiary of Saur Sujala Yojna with 5 HP motor pump and irrigates 1.5 acre of her land in whole season. She is also doing integrated farming incl. poultry (13500 Birds), Dairy (> 70 cows). 																					
Janjgir-Champa	Block-Bamnadih, Village-Sarwani	<ul style="list-style-type: none"> Farmer Sh. Ajit Ram Sahu (Mob. 9993242082) C/o Jaysarai Path Beej Utpadak, Bahu Udeshiya Sahkari Samiti Maryadit is the beneficiary of <i>“Seed Production Processing-cum Storage Godown” (NMAET-SMSP).This is a new scheme with one time 100% GoI grant of Rs. 60.00 Lakh or actual for 500 MT capacity SPU/Godown.</i> The approx. cost towards machineries (incl. installation) 																					

District/Block/Village	Event	Observation
		<p>Rs. 24.239 Lakh + Building Construction Cost 15 m x 30 m. (15 m x 10 m space for SPU + 15 m x 20 m space for seed storage godown.</p> <ul style="list-style-type: none"> The proprietor explained about 350 nos. of the members with 600 ha of the seed production programme. It was observed that this society is also taking NFSM-Seed distribution subsidy @ 1000/- per qtls from the department. The department is requested to intimate that, what amount of <i>total seed distribution subsidy, the production subsidy and the breeder seed procurement subsidy</i> has been reimbursed to all the 11 such societies already availed/ funded under SMSP with one time grant of Rs. 6.60 Crore to all societies in 08 districts of Chhattisgarh (Mahasamund-02, Bilaspur-02, Raigad, Jangir-Champa-02, Korea, Gariyaband, Surguja and Narayanpur) incl. this society.
KVK- Janjgir-Champa	Review meeting of Seed-hub, CFLDs & Others	<ul style="list-style-type: none"> NLMT had a review meeting with Sh. K. D. Mahant, I/c SS and Head (SMS-Soil Science) and SMS-Agronomy/Horti./Entomology/Plant Pathology/FMP. Infrastructure is completed and the centre is operational, the NLMT has advised to repair the front plinth portion through the contractor who has completed the work. NLMT interacted with Pradhan Mantri Kaushal Vikas Yojna (PMKY-Agriculture Skill Council of India) trainees taking “<i>Training on Mushroom Growers for 200 hr. course</i>”. It is also implementing DAESI wherein, 39 candidates registered. Under District Mineral Fund (DMF)/CSR, Rs. 55 Lakh for Linseed +Rs. 44 Lakh for Polyhouse + Rs. 18 Lakh for Mushroom + Rs. 15 Lakh for NRLM (Nutritional Garden) in 10 Panchayats, have been provided to KVK. The activities of the KVKs are very effectively operationalised. The most of CFLD and cluster demonstration of gram laid down under irrigated condition.
Bilaspur	Review meeting with District Agri. Officers	<ul style="list-style-type: none"> The district implements NFSM-Rice, NFSM-Pulses, NFSM-Addl. Pulses, NFSM-Oilseeds (MM-I), TRFA, RKVY, NMSA (RAD), ATMA, PKVY, PKSY, NMAET-SMSP, NHM. District has 2.25 Lha kharif area, predominantly paddy in

District/Block/Village	Event	Observation																					
		<p>2.14 Lha (978 kg/ha against the state's average of 1758 kg/ha).</p> <ul style="list-style-type: none"> • Kharif Pulses are grown in about 3820 ha (Tur-2270 ha; Urd-1090 ha; Mung-300 ha; Kulthi-160 ha). Tur at a productivity level 630 kg/ha against the SAY- 585 kg/ha & NAY-775 kg/ha). • Rabi pulses are cultivated in 17270 ha (Lathyrus-11350 ha, Gram-3180 ha; Pea-1300 ha; Lentil-950 ha; Mung-110 ha & Kulthi-350 ha). Productivity of lathyrus is 654 kg/ha against the SAY-763 kg/ha & NAY-841 kg/ha. • Kharif Oilseeds are grown in about 1690 ha (G. nut-1110 ha; Sesamum-550 ha; Soybean- 20 ha). There is scope for increase in area under oilseed. <table border="1"> <thead> <tr> <th>Name of Pulse Crop</th><th>Prevalent Varieties</th><th>Recommended Varieties(ICAR/SAUs)</th></tr> </thead> <tbody> <tr> <td>Pigeonpea</td><td>Asha, Laxmi</td><td>MAL-13, UPAS-120, Rajeev Lochan</td></tr> <tr> <td>Urdbean</td><td>TAU-1 TAU-94-2, Azad Urd-3</td><td>PU-31 TAU-94-2</td></tr> <tr> <td>Moongbean</td><td>HUM-1, HUM-2</td><td>HUM-12, HUM-16</td></tr> <tr> <td>Chickpea</td><td>JG-74, JG-14, Vijay</td><td>JG-63, JG-74, Digvijay, JAKI-9218</td></tr> <tr> <td>Peas</td><td>Prakash, Arkel, Aparna</td><td>Prakash, Parash</td></tr> <tr> <td>Pigeonpea</td><td>Asha, Laxmi</td><td>MAL-13, UPAS-120, Rajeev Lochan</td></tr> </tbody> </table>	Name of Pulse Crop	Prevalent Varieties	Recommended Varieties(ICAR/SAUs)	Pigeonpea	Asha, Laxmi	MAL-13, UPAS-120, Rajeev Lochan	Urdbean	TAU-1 TAU-94-2, Azad Urd-3	PU-31 TAU-94-2	Moongbean	HUM-1, HUM-2	HUM-12, HUM-16	Chickpea	JG-74, JG-14, Vijay	JG-63, JG-74, Digvijay, JAKI-9218	Peas	Prakash, Arkel, Aparna	Prakash, Parash	Pigeonpea	Asha, Laxmi	MAL-13, UPAS-120, Rajeev Lochan
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District-Bilaspur Block-Masturi, Village-Rizda District-Bilaspur Block-Masturi, Village-Rizda	<i>Seed Production Processing-cum Storage Godown” (NMAET-SMSP).</i>	<ul style="list-style-type: none"> • Farmer Sh. Raghvendra Singh Chandel, C/o Kisan Beej Utpadit Sahkari Maryadit is the beneficiary of “Seed Production Processing-cum Storage Godown” (NMAET-SMSP). This is a new scheme with one time 100% GoI grant of Rs. 60.00 Lakh or actual for 500 MT capacity SPU/Godown. • Funds under Sub-mission on seed and Planting Material (SMSP) for distribution of seed are given to SSC. • The construction work has started. The society has been advice to execute the work as per the operational guideline for establishment of new seed production, processing-cum storage units at Gram Panchayat level of the GoI vide No. 15-4/2017-SD –VI dated 22.01.2018. 																					
	TRFA Demo.	<ul style="list-style-type: none"> • TRFA demo. of Mustard var.- CG-4, Total Demo. of 50 ha in the field of Sh. Anup kumar Vani (Mob. 9179367353) was visited by the team. • The mustard was at maturity stage and likely to be 																					

District/Block/Village	Event	Observation
	NFSM- Cluster Demo. Gram	<p>harvested within 10 days.</p> <ul style="list-style-type: none"> • The earlier crop was paddy var. Swarna which was harvested in the last week of December. • In another field of Sh. Pramod Singh (Mob. 7898696802) Mustard was taken subsequently in the second year. • Earlier crop was paddy var. Rajeshwari, harvested on 18th Nov., and Mustard was sown on 2nd December. Crop is likely to be harvested within week. • Paddy variety <i>Swarna Sub-1</i>, stress tolerant for submergence area and <i>Rajeshwari</i> for survival in dry spell area were reported by KVKs as surviving well. The department may take demonstration of this variety while conducting sole or CSBD in the identified blocks with varied AES. • In this field, 03 irrigation were provided and likely yield is 10 qtls/ha. • In this village >70% of total cultivable land (>11 ha has been covered under rabi, the major area under mustard). This may be considered as a successful story of TRFA interventions in bringing out the Rice Fallow area under rabi oilseeds. • The farmers of this village are using the oil for pickles and subji making. • NFSM cluster demonstration of chickpea (JAKI 9218), sown on Nov. 27th is at pod filling stage. • Chickpea was grown under rice and soybean based cropping system. • It is strongly recommended to proper seed rate practiced adopt to improve plant geometry as well as reduce cost of cultivation. • Higher seed rate practiced in visited district in chickpea due to denser/improper plant geometry which has affects the yield as well as cost of cultivation. • The major problem of weeds needs to be developed post emergence weedicide for pulses including chickpea. • The farmer has been advised to use line sowing instead of broadcasting.
	Farmers Goshti	<ul style="list-style-type: none"> • Shr. Chhatrapal Singh (Mob. 9827878637) and other farmers informed about the use of pseedumonas for seed treatment and was well aware of Sagarika (IFFCO Bio-fertilizer). In this village farmers are taking lathyrus

District/Block/Village	Event	Observation															
		production.															
District-Bilaspur Block-Masturi, Village-Rizda	Krishi Seva Kendra (CHC)	<ul style="list-style-type: none"> In Risda, Krishi Seva Kendra (CHC), at a cost of Rs. 25 lakh (Subsidy- Rs. 10 Lakh) is functioning under the financial support of Rashtriya Krishi Vikas Yojna 2016-17. Custom hiring centers provided under NFSM/RKVY etc. is helping farmers earning handsome money/employment through hiring thresher and Rotavator etc. For SC/ST farmers the total cost of such Krishi Seva Kendra R. 15 Lakh, the subsidy is 50% i.e. Rs. Rs. 7.5 Lakh. 															
Block- Masturi, Village-Malhar	Review Meeting with Field Functionaries/ Kisan Mitra	<ul style="list-style-type: none"> A review of the programme has revealed that timely availability of inputs and market access is a major issue. Farmers are also facing the abnormal weather situation, therefore, the crop diversification, although at low level is taking place. 															
Kawardha	Review Meeting with the District Agri. Officers	<ul style="list-style-type: none"> The district implements NFSM-Rice, NFSM-Pulses, NFSM-Addl. Pulses, NFSM-Nutri-Cereals, NFSM-Oilseeds (MM-I), RKVY, NMSA (RAD), NMAET-ATMA, NHM. District has 1.62 Lha kharif area, predominantly paddy in 0.79 Lha (1153 kg/ha against the state's average of 1758 kg/ha). Kharif Pulses are grown in about 21600 ha (Tur-18240 ha; Urd-2660 ha; Mung-700 ha). Tur productivity is similar to SAY i.e. 585 kg/ha but far below the NAY-775 kg/ha). Rabi pulses are cultivated in 94460 ha (Gram-85150, Lathyrus-4640 ha, Lentil-3500; Pea-920 ha; Urd- 160 ha; Mung-90 ha). Productivity of Gram is 799 kg/ha against the SAY-763 kg/ha & NAY-841 kg/ha. Kharif Oilseeds are grown in about 41930 ha (Soybean-37260 ha; G. nut-2230 ha; Sesamum-1850 ha; niger-390 ha; sunflower-200 ha). 															
Kawardha Block-Borla Village-Sarodadar	Review Meeting with the District Agri. Officers	<table border="1"> <thead> <tr> <th>Name of Pulse Crop</th><th>Prevalent Varieties</th><th>Recommended Varieties(ICAR/SAUs)</th></tr> </thead> <tbody> <tr> <td>Pigeonpea</td><td>Asha, Laxmi, UPAS-120</td><td>ICPH-8, Rajeev Lochan, LRG-11</td></tr> <tr> <td>Urdbean</td><td>TAU-1,TAU-94-2</td><td>PU-2, PU-31 TAU-94-2</td></tr> <tr> <td>Chickpea</td><td>JG-74, JG-11, JG-226</td><td>JG-74, JG-11, Digvijay, Vishal</td></tr> <tr> <td>Peas</td><td>Prakash, Rachna</td><td>IP-885, Rachna</td></tr> </tbody> </table>	Name of Pulse Crop	Prevalent Varieties	Recommended Varieties(ICAR/SAUs)	Pigeonpea	Asha, Laxmi, UPAS-120	ICPH-8, Rajeev Lochan, LRG-11	Urdbean	TAU-1,TAU-94-2	PU-2, PU-31 TAU-94-2	Chickpea	JG-74, JG-11, JG-226	JG-74, JG-11, Digvijay, Vishal	Peas	Prakash, Rachna	IP-885, Rachna
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Peas	Prakash, Rachna	IP-885, Rachna															

District/Block/Village	Event	Observation
		<ul style="list-style-type: none"> The team visited the Baiga tribe village who has taken the benefits of Seed Minikits, the farmer Sh. Samrau is also the beneficiary of Mukhya Mantri Solar Pump, however, it was noticed that due to faulty site selection the well has no sufficient water. The DDA has been advised to sort out this issue in consultation with the concerned department. The NLMT is of considered opinion that the programme of ATMA, PMKSY and Horticulture etc. (MIDH/SHM) should be converged in the tribal villages to combat the issues relating to poor malnutrition amongst pregnant woman, lactating mothers, infants and growing children.
	ATMA-Organic Food Plaza (Group Mobilization Entrepreneurship Development Activity)	<ul style="list-style-type: none"> FIGs – Maa Durga Khadya Prasanskaran Samiti- Joratal has been developed by ATMA during 2014-15 and doing work on Custard Apple, Guava, Jamun, Bel, Tendu fruit, Custard-Ice-cream etc. This group also had an assistance under DMF for Rs. 38000/- for deep freezer. The group is earning Rs. 5.50 Lakh/turnover per year as briefed by its President Mr. Bulaurian (Mob.6263101249).
Kawardha	Review of seed-hub & EBSP	<ul style="list-style-type: none"> The NLMT also reviewed the NFSM-Seed-hub and EBSP involving all the individual Nodal Officers of each centres. <p>Rajnadgaon:</p> <ul style="list-style-type: none"> 140 qtls Gram (var.-JAKI 9218) and 95 qtls Pea (var-Rachna) produced during 2017-18 was disposed of in the open market/mandi. The area under chickpea in visited area has increased upto 50 % and earlier JG-74 dominated variety which is replaced by JAKI-9218. They have also not received the Breeder Seed. Mungbean (var. HUM-16) - 15 Qtls is also available and yet to be sold. During summer the mungbean varieties IPM 410-3, IPM-2-7 are being popularized. It was advised to channelize the seed under Beej Gram Yojna/NFSM-Seed distribution/CFLDs and TRFA in Chhattisgarh itself.
Kawardha	Review of seed-hub & EBSP	<p>KVK-Kawardha:</p> <ul style="list-style-type: none"> It was suggested that to sustain the seed-hubs, 20-25% of total production under seed-hub should be supported

District/Block/Village	Event	Observation
		<p>with the production subsidy and seed distribution subsidy including 100% reimbursement of Breeder Seed by the DDA.</p> <ul style="list-style-type: none"> The NLMT advised that the KVKs should also approach the DM/CEO to purchase the seed for Minikit distribution with the funding support of MDF/CSR. The balance amount of Rs. 24 Lakh under revolving fund has been advised to be taken from ICAR-IIPR immediately. <p>KVK- Kanker:</p> <ul style="list-style-type: none"> Advised to surrender Rs. 16 Lakh to the university. KVK functioning very well. KVK- Bhatapara Rs.34 Lakh and AICRP-Bhatapara Rs. 12.50 Lakh yet to be received from ICAR-IIPR. KVK-Ambikapur: Infrastructure/SPU (Grader) to be installed, Rs. 19 Lakh yet to be received. KVK-Janjgir: Rs. 16.50 Lakh received additional, have been advised to be surrender to the SAU. KVK-Bemetra: Oilseed Seed-hub <i>IGKV/ICRP-Jagdalpur: EBSM-Millet</i> <i>IGKV/ICRP-Jagdalpur: Seed-hub-Millet</i> (Fund not received by DMR-Hyderabad) <p>It has been advised to write a letter to Agri. Commissioner, GoI under endorsement to DPD, Bhopal & Addl. Commissioner Dr. Barik.</p>
College of Agriculture, IGKV, Raipur	Wrap-Meeting with all the Deptt Heads/IGKV on 2 nd March, 2019.	<ul style="list-style-type: none"> The NLMT had a briefing of all the programmes being implemented under NFSM and other CSS programme. IGKV has capacity to provide all bio agents PSB+Rhizobium for whole CG subject to indent fund SDA. Quarterly budget has been submitted, under BGREI 60% expenditure has been made. In NMOOP, the pendency of release towards 2013-14 have been requested.

12. MAJOR OBSERVATION AND SUGGESTION

The NLMT was facilitated to monitor/visit the activities/works under different CSS/CS and State plan schemes in the sample districts of Baloda-bazar, Janjgir-champa, Bilaspur and Kawardha.

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

12.1 Observations

1. The NLMT-Team, could not visit, the vital schemes in the sample districts. These includes the followings: i) Sub-Mission on Seed and Planting (SMSP) *i.e.* Beej Gram Yojna (a) Seed Production Processing-cum Storage Units at Gram Panchayat level as per recommendations of group of secretaries for FPOs, SHGs, Co-operatives, CIGs; ii) Pramparagat Krishi Vikas Yojna (PKVY); iii) Pradhan Mantri Krishi Sinchai Yojna (PMKSY) jointly implemented under MIDH (Deptt. of Horti. & Farm Forestry) and Deptt. of Agri. Develop., FW & Bio-technology; iv) Pradhan Mantri Fasal Bima Yojna (PMFBY); v) NMAET –Diploma in Agriculture Extension Services for Input Dealers (DAESI).
2. Soybean cultivation in Chhattisgarh has disappointed the farmers for the past four year and they are in search of other alternatives to it. The problems are mainly due to issue relating to plant diseases, insect-pest infestation and mismatching rainfall pattern in the Chhattisgarh state. Earlier farmers had harvested 10-12 q/acre grain yields now it has gone down to 3-5 q/acre.
3. Sugarcane cultivation is very popular in *Kabirdham, Balod and Surajpur* district due to the procurement by Sugar factory and Molasses industries. The traditional rice area of these 03 districts has been converted to sugarcane in this state. The average productivity of Sugarcane in Chhattisgarh is 40769 kg/ha as against the National productivity of 69001 kg/ha, which is almost 41% less than the National average.
4. 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 regarding, seed subsidy and seed lifting. The seed hub programme is under the revolving fund; seed produced under seed hub programme are sometimes not fully procured by the developmental agencies, as a result of which they are compelled to sale the seed in the form of grains. If this continues for long time then the sustainability of revolving fund would be adversely affected.
5. The NLMT also had a discussion with Sh. K.D.P. Rao, ACS and Agri. Production Commissioner, Govt. of Chhattisgarh, who have emphasized the state govt. resolution to farmers economic development through new initiatives of “*Narwa (water conservation through check dam/stop dam); Garuwa (Animal husbandry/protection and development); Ghuruwa (FYM/Bio-fertilizer/Bio-intensive plant protection and organic farming) and Bari (Home stead garden/kitchen garden)*”. The NLMT is of considered opinion that, this initiative shall not only strengthened the economic back-bone of the rural Chhattisgarh but, shall go a long way to sustain the governments resolved to achieve the ambitious target of doubling the farmers income.

6. The work done on development of irrigation under various schemes such as: State plan- *Kisan Samridhi Yojna* – (Tube-well + Motor Pump), *Shakambhari Yojna* – (Dug-well + Electric/Diesel Pump), *RKVY*– (Shallow Tube-well -75 feet + Electric/Diesel Pump), *NFSM* – (Diesel/Electric Pump); *Ground Water Recharge*, *Laghuttam Sinchai (Pond)*, *Sprinkler – Central/State Sponsored MIS* etc., has increased the irrigation potential and cropping intensity of the area. With increase in irrigation facilities, during summer the Mungbean varieties IPM 02-14, IPM-2-3 are being popularized.

Saur Sujala Yojna (Solar energy) at Village –Sukli, Block-Nawagard, was noticed as excellent work by the department. Solar system prompted the farmers to grow Rabi and summer pulses and vegetables. This system can be replicated in entire state where electrification is still not reached.

7. The “Sour Sujala Yojna” is a new initiative in the state. There are two components of the programme i) Solar Panels + Motor Pump @ 3.50 lakhs /unit- farmer share Rs. 10,000/- only; ii) Boring of tube-well (200 -250 feet deep boring with 2.5 inch delivery). Unit cost @ Rs. 80,000/- (Subsidy: SC/ST @ Rs. 18,000/-, OBC- @ Rs. 15,000/- & Others @ Rs. 10,000/-) remaining boring cost to be borne by the farmers.
8. In-charge of State Bio-Control Laboratory Chorbhatti, Bharni (Bilaspur) of IGKVV, informed the team that the State Bio-Control Laboratory TCB, College of Agriculture & Research Station Sasal Farm, Chorbhatti, Bharni (Bilaspur) is registered with CIB (Central Insecticide Board) for production of *Trichoderma viridae* 1.5% WP including other Bio-fertilizers.
9. Sufficient quantities of Bio-fertilizers/Bio-agents, as per the requirement of the state can be made available under the NFSM/ NMOOP/BGREI programme subject to advance MoU between the IGKVV, Raipur and the Directorate of Agriculture, CG.
10. The earlier popular Rice-lathyrus cropping system is now diverting to rice-gram system. Lathyrus is non-resilient to climate, the rains, therefore, vitiate the standing crop whereas gram is comparatively more reliable to the present climatic scenario subject to management practices to control *Helicoverpa armigera* and recommended dose of fertilizers to harness (15-20 q/ha) yield potential in rice- gram sequence.
11. Seed grower’s societies are lacking in the Bilaspur division, suitable environment should be made for promoting seed production work by farmer’s participatory approach.
12. Visited Market Showroom of Durga Maa Women Farmers Group established under ATMA scheme supported by District Mining Fund (DMF), wherein, they are preparing and selling Ice-cream of custard apple and Charota’s coffee.

13. Input for cluster demonstrations seed supplied by SSC & other input supplied by District Manager (Agro).
14. Functioning of multiple extension system has been noticed in the state. Farmers also receive the advisory on Agriculture through Reliance Foundation over SMS. The Pesticide dealers, Seed suppliers, Micro-nutrients dealers also function as extension agents.
15. Small farmers are fully convinced with the advantages of farm mechanization, however, due to poor resource base and financial constraints they are not in position to match farmers share in such type of programmes. The state may provide top-up subsidy from state plan to support these farmers.
16. Small and marginal farmers should be targeted more under NFSM activities along with rich and large farmers. Seed drill, Zero till seed drill & happy seeder should essentially be made available to the farmers. This will be highly helpful in establishment of rabi crops in the visited division and state successfully.
17. Interactions with University scientists have revealed that lot of state specific deliverable technologies are available eg. Zero tillage wheat cultivation, Rabi Pigeonpea, Indira Field Pea, Moong varieties etc. These technologies are needed to be propagated and transferred to farmers field under the ongoing development programmes.

12.2 Suggestion

1. The programme under NFSM should be monitored by DMT as well as SLMT as per guidelines (at least 10% of total block/district) on the parameters of implementation of various component and impact of the programme need to be documented.
2. The Team, therefore, request the SDA, CG Govt. to provide an action taken report (ATR) on the progress of all these schemes/components under *observations para 1* and also to issue suitable directives at the level of the Director (Agri.) to all district functionaries to facilitate the monitoring of all Centrally Sponsored/Central Sector and State run programmes to the future NLMTs visiting the state under NFSM (Kharif +Rabi) and under BGREI.
 - i) Krishi Yantra Seva Kendra, NFSM-Godown and machineries etc., provided under the schemes be superscribed with *display board indicating name of the scheme, total cost, subsidy amount and year of execution.*

- ii) For each cluster demonstration plot/field there should be “*one control plot*” for comparison and training.
 - iii) For effective publicity/penetration and extension of the crop development schemes, continuous visit by the field extension staff on farmer’s field, is strongly recommended.
 - iv) The demonstration site should have a perfect demonstration board mentioning the *per hectare demonstration norms /input cafeteria, date of sowing, variety/maturity duration, nutrient status of soil, technology demonstrated/thematic area of the demonstration*.
 - v) Also, one cluster demonstration should demonstrate atleast three to four varieties, two to three methods of planting and method of irrigation etc.
 - vi) The NLMT strongly recommend a detailed documentation of ***Cluster demonstration on demonstration register*** by the field extension staff. This should include date-wise input supply; date of sowing, crop condition; dates of irrigation and rainfall, if any; date of application of fertilizer/insecticide/weedicide/foliar spray; date of 50% flowering stage of the crop; date of harvesting; no. of plants/ears/pods per sq. m. of area before harvesting and crop-cutting of 5x5 meter area of demonstration plot vis-a-vis control plot.
 - vii) It is suggested that, single beneficiary should not be given the benefits of the several schemes. Instead, a good number of farmers should get the benefits of subsidy schemes of the Govt. of India and the State Government.
 - viii) The National Monitoring Team should be appraised/facilitated to monitor all the development schemes implemented by the Deputy Director of Agriculture. The State HQ should seek the advance detailed information from the sample districts to be visited by the NLMT for submission to the NLMT Members. It was observed that, the schemes relating to NMAET-SMSP-Beej Gram Yojna/Seed Processing-cum storage godown, NMSA (RAD), PMKSY, holistic development schemes/other schemes with the support of MDF/CSR funding and RKVY etc., are not being appraised by the DDAs due to lack of knowledge.
 - ix) Demonstration should be organized with the INM/Soil test based (SHC) recommendation and this should be recorded on the display board and demonstration register.
3. As an alternate some of the farmers have started successfully growing cotton in the conventional area of Soybean and selling their produce at Pandhurna and Nagpur Mandies.

Therefore, NLMTs opinion is that the Cotton growers need technical and input support for the area expansions and higher yield. The introduction of Cotton crop in the non-traditional area had drastically reduced the consumption of plant protection chemicals. In wrap-up meeting, the SAUs feel that the NFSM programme on cotton may be given for Rajnandgaon, Bemetara and Mungeli districts of Chhattisgarh state.

4. The technical and input support will be helpful in minimizing the yield gap. Introduction of new varieties, micro-irrigation system, crop production and protection technologies are required to increase the sugarcane productivity in these areas. The inclusion of Kabirdham, Balod and Surajpur district under NFSM program including intercropping of pulses will be helpful in increasing the production as well as profit margin.
5. It is advised by the NLMT-Team that surplus seed may be used under the area expansion programme with the support of District Mining Fund. The infrastructure made under pulse seed hub programme can also be utilized for strengthening the revolving fund by retail value of seed godown and hiring charges of seed graders.
6. As a long term soil and water conservation measures, each Stop dam/Check dam structures should have a budgetary provision of 10% of the total construction cost for maintenance & repair. For proper execution and maintenance of Pani Panchayat and Water Use Committee should also be energized.
7. Check dam, stop dam, MIT or other such soil water conservation structures should be assessed in terms of quantum of water stored, duration of water availability potential irrigation through MIS, recommended crop cultivation and livelihood security of the farmers in that vicinity.
8. To increase the production of the pulse and cereal crops, irrigation facilities should be increased through Farm Ponds, Sprinkler sets and drip irrigation systems. Promotion of mechanized farming such as ridge and furrow, BBF etc.
9. Maize is major crop during Rabi/Summer in the visited districts *i.e.* 3050 ha area covers about 4% against the state area of 74450 ha. RKVY shallow tube wells Shakambhari check dam has contributed in expansion of maize.
10. Expansion of sole maize cultivation during rabi/summer is the result of double crop area expansion programme of the state government. However, the department should popularize/promote inter-cropping demonstration of maize with Mung/Urd and also emphasizing MIS in maize so as to make the area expansion programme sustainable. Because, the maize is a water guzzling crop and continuous cultivation of sole maize may hamper the productivity of the soil in a long run.

11. The Bio-fertilizers and Bio-agents play an important role in the production and productivity of all crops especially the pulses. The State government may enter into the MoU with IGKV, Raipur for supply of these materials under the demonstration component of the Centrally Sponsored Programme. This will not only improve the supply of quality critical inputs but will also financially help the States University and its Laboratory for making a sustainable production and economic viable.
12. The district-wise Local Initiatives should be ascertained with 9% of the total budgetary allocation under NFSM as a whole. The Local Initiatives may include Augmentation of water resources, Convergence of pulses in PMKSY area, godowns for safe storage of critical inputs post-harvest/processing facilities like grader, dehusking machine, Mini dall mills, promotion of local germplasm.
13. The Local Initiatives component need to expand its selves of activities/work. Presently only the godown are being constructed under the Local Initiatives. It is recommended that fencing provision, locally made popular implements etc., may be incorporated under this head.
14. In rural area, construction of godown for storage, value addition facilities like cleaning/grading. Dal mills, processing plants etc. need special promotion to fetch good prices, economic benefits & increasing the living standard.
15. The team suggested that the diversified cropping and integrated farming system should be adopted in the visited districts as well as in the state so that risk minimizing in agriculture and more employment generate in this sector.
16. The district may be advised to constitute Machineries' User Group (MUG) for each RCT with a financial assistance of > Rs. 10,000/- such as Multi-crop Planter, Power Tiller, Seed Drill, Power Weeder, Zero-till-Multi crop Planter, Rotavator, Reaper etc.
17. Seed availability for demonstration purpose should be made as per the local recommendation of concerned KVK. The position of Plant Breeder should be made in the KVK.
18. Ensuring seed rolling plan and availability of quality seeds of wilt resistant cultivars of pulses, inclusion of short duration varieties of paddy and Mid to early variety of Pigeonpea to increase cropping intensity, seed treatment of pulses with Trichoderma, mandatory follow-up of IPM in place of sole dependency on pesticides, is strongly recommended.
19. The post of DCs, TAs under PMT should be filled- up. The state HQ/Mission Director may seriously monitor such technical requirements in the NFSM in the interest of conduct of quality cluster demonstration in the state not merely the achievements of targets.

13. Wrap-up Meeting (2nd March, 2019)

The NLMT also had a wrap-up meeting on March 2nd, 2019 at the IGKV, Raipur involving all the stake holders (SAUs and the Agriculture Department).

Wrap-up Meeting (2nd March 2019)

Projects review meeting of National Food Security Mission (NFSM), Seed-Hub and EBSP was organized at IGKV, Raipur on 2nd March 2019 in the chairmanship of Dr. A. K. Tiwari, Director, Directorate of Pulses Development, Govt. of India, Bhopal.

- Dr. S. S. Sengar, Director Farm, IGKV, Raipur was guest of honour. Shri M. S. Kerketta, Addl. Director, Department of Agriculture, C.G. Govt., Shri S. R.Verma, Director, SAMETI, Raipur, Dr. Sanjay Sharma, Professor and member of National Level Monitoring Team. Senior Scientist & Head/PIs of KVKs Bhatapara/Kanker/Janjgir-Champa/Rajnandgaon/ Bemetara/ Ambikapur and and Dr.A.K.Tripathi, Nodal Officer, Seed Hub, Directorate of Extension Services, IGKV, Raipur attended the meeting.
- With the brief background address and welcome by Dr.A.K.Tripathi, Scientist and Dr.S.S.Sengar, Director Farm, IGKV, Dr. A.K.Tiwari chairing the meeting briefed the objectives and operationalization of NFSM – EBSP and seed-hub projects in relation to all CSS/CS implemented in CG State (2016-17). Senior Scientist and Head of 06 KVKs and P.I. AICRP- Millets were present in the meeting has obtained the licenses of Seed production and processing, grading from the competent government agencies.
- All 27 districts of Chhattisgarh have been covered under National Food Security Mission, 10 districts are covered under NFSM Nutri-cereals including Sukma and Surguja. He said to send the proposals for inclusion of Sugarcane growing districts of Chhattisgarh (Surguja, Balod, Kawardh and Bemetara) for inclusion these districts in NFSM-Sugarcane.
- It was brought to notice by Nodal Officers of Seed Hub, Bhatapara, Kawardha and Janjgir-Champa that seed of chickpea produced under seed hub remained unsold as seed and they were compelled to sell in Mandies.
- The chairman instructed to send the note in this regard to him for sorting out the problem through Dr. Sanjay Sharma, Professor and member, NLMT. Shri S.R.Verma remarked that no MoU with DDAs can be done without the approval from the Govt.
(Action: DES/Nodal Officers of concerned Seed Hubs).
- Shri S.R.Verma, Director SAMETI and member of NLMT said it categorically that no exemption can be given for seed production of more than 10 years old varieties. Neither production nor distribution subsidy will be given for the same. Enough seed of less than 10 years old released varieties available if indented well in time.
(Action: All Nodal Officers, Seed Hub)

- All Nodal Officers raised the issue of production and distribution subsidies to be provided to seed-hubs, the Chairman said that both subsidies should be given to all seed-hubs. Dr. Sanjay Sharma should take lead with co-ordination to Shri S.R.Verma and M.S.Kerketta, Addl. Director, Agriculture C.G.Govt.
- Shri S.R.Verma suggested that rate of seed sale should be decided in such a manner that whole quantity of seed can be purchased with the provided budget for the purpose.
- The chairman said that some fund should be provided to the seed hubs to compensate the loss incurred due to non sale of seed.

(Action : DRS /Dr.Sanjay Sharma)

- Nodal Officer, Seed-Hub, Bhatapara told that DDA, Bhatapara has denied to give subsidy for Breeder Seed Production this year. Shri S.R.Verma said that due to budget problem, it could not be given since it is on first come first serve basis.

(Action : All In-charge, seed hub).

- The chairman said that the excess fund provided to Janjgir Champa and Kanker should be taken back and given to other centres as per the norms.

(Action : In-charge, Seed-hub Janjgir, Kanker /DES).

- Dr. B.S.Rajput, Nodal Officers, Seed Hub, Rajnandgaon told that 15.0 quintal F/S of green gram is available with him , the chairman said that the same can be utilised in TURFA . Shri S.R.Verma suggested that Dr. Rajput should approach the district collector for demonstration in the district in Badi programme of the Govt.

(Action : Shri R.K.Chandravanshi and Dr.Sanjay Sharma)

- Nodal Officers informed that total allotted amount for Seed hubs Revolving Fund is not received. The Chairman said that a letter should be written to IIPR, Kanpur with detailed centre wise amount to be taken at the earliest with a copy to him .

(Action: DES and Nodal Officers, Seed Hub)

- The chairman said that whole amount of production as well as distribution subsidy to be received by the Seed Hub Centres be compiled at DES level and put up before Shri S.R.Verma, Director SAMETI and member NFSM for payment.

(Action: DES / Dr. Sanjay Sharma/All In-charge, seed hub).

- The chairman suggested that HIL, NAFED, NSC, KRIBHCO and IFFDC are purchasing seed from different agencies and provide the farmers as mini kits. Efforts should be made to sell the seed to them.

(Action: All In-charge, seed hub)

- Shri M.S.Kerketta, Addl. Director, Agriculture said that availability of seed should be communicated to the Director Agriculture well in time.

(Action: All In-charge, seed hub).

- The chairman said that there is a problem of water stagnation in the structure made under seed hub at Janjgir-Champa, letters should be written to the S.P.P. or contractor to get the structure repaired.

(Action: DES /In-charge, seed hub, Janjgir-Champa).

- The chairman said that the Board be fixed on road side and in the centres highlighting that grading facility is available at a fixed rate for farmers. The facility is provided under NFSM should also be mentioned in the board.

(Action: DES /In-charge, seed hub, Janjgir-Champa)

- The chairman remarked that small video clips and success stories be prepared highlighting the breakthroughs achieved by this project and sent to DPD.

(Action: All In-charge, seed hub)

- Dr. A.K.Tiwari said that availability of seed should be informed to DPD also so that the same might be circulated to all the centers and districts for lifting as per the requirement. He suggested to monitor the seed hub activities in KVKs and inform DPD about the additional requirement of fund if there is any. He said that seed produced under seed hub should be utilized in CFLD and other programmes of KVKs on priority basis.

(Action: Incharge seed hub/DES)

- Dr.Birbal Sahu, Nodal Officer, Kanker presented the work done in district Kanker and told that during kharif 2018-19 due to adverse climatic conditions it is difficult to achieve the target but the same will be compensated during rabi 2018-19.

(Action : Incharge seed hub, Kanker)

- The chairman expressed displeasure due to loss of AICRP Bhatapara Seed Hub inspite of whole programme being executed in the Farm, suggested to review the same critically.

(Action : Director Farm/ DES)

- The chairman expressed displeasure of not attending the Nodal Officer, Seed Hub, Ambikapur and instructed to direct him for not sending the Junior staff without any preparedness in such meetings in future.

(Action : DES)

- The chairman said that the revolving fund of Seed Hubs should not be used in other activities except Seed hubs to keep the Seed hubs in profit.

(Action : In-charge all seed hubs)

- The chairman said that in Bemetara Oilseed seed hub, selection of varieties should be as per the recommendation for the area. The letter for pending fund should be sent to the

Agriculture Production Commissioner, Govt. of India with a copy to DPD and Dr. Anupam Barik.

- Dr.A.K.Thakur, Nodal Officer, Millet, Jagdalpur informed that due to adverse climate production of millet crops suffered and no fund was released from DPD. He told that he had written letters directly to ICAR for fund, did not give copy to DES and DPD. The chairman said that he should have sent the copies of correspondence to DPD and DES, IGKV, Raipur. Director, Directorate of Millet Development, Jaipur should be approached for the funds for millets.

(Action : Incharge seed hub, Jagdalpur/DES /Director, DPD, Bhopal).

14. SOIL HEALTH SCHEME

Observations

- Soil health card preparation work is going well, however, in most of the visited labs, it was noticed that the micronutrients analysis is not being done. Also, AAS, at many STLs are not in order either due to maintenance issue or non-engagement of skilled manpower having analytical background.
- The mandatory soil health cards must be distributed to all the participating farmers under NFSM cluster demonstration. The status of soil health, thus, was not taken into consideration while recommending the balance nutrition.
- Organic Certification Agency is lacking in the state this is highly useful for preparation of environment for promotion of organic cultivation.

Suggestions

- Skill development in the field of instrumentation is advised for the staff involved in soil testing work and similarly, annual maintenance contract (AMC) for the sophisticated instruments like AAS and double beam Photometer etc. should be provided for the district soil testing laboratories. Soil testing report generated by Mrida Parikshak (Mini-Lab) may be randomly conformed by the referral laboratories for its authenticity.
- The NLMT recommends to introspect the criteria of deciding input cafeteria. Even today it is not based on soil test recommendations and not decentralized at the level of district and KVK. The State may also look into the aspects of timely supply of quality inputs at the appropriate time of planting of crops/laying out of demonstrations in the district.
- Soil testing report must be given at least for the demonstration crop where micronutrients are being applied blindly. This is important to ascertain quality technology demonstrations under the programme.
- The organic growers in the state must be facilitated in terms of the accreditation, marketing and strengthening of the organic manures, vermicompost preparation and skill up-gradation etc.
- The FYM/Compost being supplied should have a display of various nutrients available in the package.

14.1 SOIL HEALTH CARD SCHEMES (CYCLE – II)

(Progress upto 01st Jan., 2019)

Districts	Soil Sample Collection and Analysis					SHC Printing and Distribution				
	Target	Achievement				Target	Achievement			
		Collection	%	Analysis	%		Printing	%	Distrikt.	%
Raipur	53288	53288	100	51706	97	266440	267194	100	267194	100
Balodabazar	52808	53374	101	53159	101	264040	255343	97	251642	95
Mahasamund	61028	59011	97	58479	96	302570	282369	93	276557	91
Dhamtari	44240	45202	102	44910	102	221200	227000	103	208000	94
Gariband	29812	29855	100	29139	98	149060	170338	114	167629	112
Raipur Division	241176	240730	100	237393	98	1203310	1202244	100	1171022	97
Durg	45752	45874	100	43062	94	228675	183169	80	178521	78
Balod	42504	42807	101	41849	98	206260	220999	107	205777	100
Bemetera	46306	46306	100	44499	96	231530	209794	91	205499	89
Rajnandgaon	66600	69649	105	67964	102	333000	362790	109	362790	109
Kawardha	34979	34979	100	34901	100	174895	212795	122	199773	114
Durg Division	236141	239615	101	232275	98	1174360	1189547	101	1152360	98
Bilaspur	57816	61131	106	57237	99	284540	275601	97	261644	92
Mungeli	34482	35724	104	35079	102	172410	196931	114	183800	107
Raigarh	42260	42270	100	42270	100	211300	214030	101	205160	97
Janjgir-champa	90020	92521	103	90326	100	450100	495168	110	464495	103
Korba	16440	17127	104	15938	97	82200	93548	114	93548	114
Bilaspur Division	241018	248773	103	240850	100	1200550	1275278	106	1208647	101
Surguja	24044	25263	105	25016	104	126110	200503	159	198241	157
Surajpur	21380	21847	102	21847	102	106900	116514	109	101176	95
Balrampur	21486	21656	101	21656	101	107430	185799	173	183018	170
Jashpur	35416	32328	91	31868	90	177080	243846	138	224792	127
Korea	18471	18361	99	17916	97	103855	156561	151	148247	143
Surguja Division	120797	119455	99	118303	98	621375	903223	145	855474	138
Bastar	23170	24244	105	24003	104	117925	197457	167	196217	166
Kanker	35008	36064	103	35929	103	175040	161494	92	152151	87
Kondagaon	20570	20573	100	20573	100	101425	69357	68	69357	68
Narayanpur	6600	6690	101	6594	100	33000	26833	81	26803	81
Dantewada	10620	10659	100	10659	100	53100	53564	101	53564	101
Sukama	7086	7240	102	7240	102	33715	37581	111	37581	111
Bijapur	7148	7124	100	7106	99	32870	28534	87	28530	87
Bastar Division	110202	112594	102	112104	102	547075	574820	105	564203	103
Total CG	949334	961167	101	940925	99	4746670	5145112	108	4951706	104

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

15. NFSM/NMOOP : SEED MINIKIT DISTRIBUTION: 2018-19

Observation:

- Pulses seed minikits under NFSM Arhar, Gram and Lentil, totaling to 18,875 nos. (Minikit size: Arhar- @ 4 kg, Gram @ 16 kg and Lentil @ 8 kg) were demonstrated. Similarly, Oilseed minikit under NMOOP were also made available to the state a total of 1,15100 nos. (Kharif- 42500, Rabi-69600, Summer- 3000 nos.) were also demonstrated during 2018-19.

Suggestion

- 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.

15.1 NFSM: Seed Minikits Distribution (Kharif)

(Qty. in Nos.)

Crop	Variety	Supplied	Agency	Avg. Yield	Local Check Yield	Yield Gap Over Check	
						Actual	%
Arhar	TJT-501	4000	NSC	978	742	236	32
Total Pulses		4000		978	742	236	32
Soybean	JS-95-60	30000	NSC	1255	957	298	31
Groundnut	KADIRI-9	2500	NSC	1450	1325	125	09
		2500	NAFED				
Til	RT-351	7500	NAFED	363	318	45	14
Total Oilseed		42500		1023	867	156	18
Total Kharif		46500					

15.2 NFSM : Seed Minikits Distribution (Rabi)

(Qty. in Nos.)

Crop	Varirty	Supply Agency	Quantity
Gram	RVG-202	NAFED	5500
Lentil	IPL-316	NAFED	2500
		NSC	6875
Pulses Total			14875
Mustard	NRCHB-101	NSC	20000
		HIL	5000
	Pusa Mustard-30	NSC	40000
Safflower	PBNS-40	NSC	1000
Groundnut	Kadri-9	NAFED	2500
	Dharani	NAFED	1100
Oilseeds Total			69600
Total Rabi			84475

15.3 NFSM: Seed Minikits Distribution (Summer-2018)

(Qty. in Nos.)

Crop	Varirty	Supply Agency	Quantity
Groundnut	Kadiri-9	NAFED	3000
Oilseed Total			3000

15.4 DISTRICT-WISE SEED MINIKIT PERFORMANCE : (2016-17 TO 2018-19)

A. Seed Minikit Pulses and Oilseeds : 2016-17

(Minikit- Nos. and Qty. in qtls.)

District	Crop	Variety		Yield		Gap	
		Minikit	Check	Minikit	Check	Actual	%
Kharif - Pulses							
Janjgir-Champa	Urd	PU-31	Local	920	680	240	35
Bilaspur				810	690	120	17
Kawardha				430	360	70	19
Kharif - Oilseeds							
Janjgir-Champa	Sesame	RT- 351	Local	457	350	107	31
Bilaspur				460	290	170	59
Rabi - Pulses							
Janjgir-Champa	Gram	JAKI 9218	JG - 6	1106	950	156	16
Bilaspur				1430	1180	250	21
Kawardha				650	495	155	31
Janjgir-Champa	Urd	PU-31	Local	885	681	204	30
Bilaspur				910	625	285	46
Kawardha	Urd (Summer)					400	340
Rabi - Oilseeds							
Janjgir-Champa	Mustard	NRCHBB - 101	Pusa	835	699	136	19
	Groundnut	K-6	Local	1165	939	226	24
Bilaspur	Groundnut	K-6	Local	510	460	50	11

B. Seed Minikit Pulses and Oilseeds : 2017-18

(Minikit- Nos. and Qty. in qtls.)

District	Crop	Variety		Yield		Gap	
		Minikit	Check	Minikit	Check	Actual	%
Kharif - Pulses							
Janjgir-Champa	Urd	PU-31	Local	732	576	156	27
Bilaspur				890	645	245	38
Bilaspur	Tur	TJT 501	Local	1240	1090	150	14
Kawardha				540	470	70	15
Kharif - Oilseeds							
Janjgir-Champa	Sesame	RT- 351	Local	413	364	49	13
Bilaspur				410	390	20	5
Kawardha				425	275	150	55
	Soybean	JS-95-60	Local	780	620	160	26
Rabi - Pulses							
Janjgir-Champa	Gram	JAKI 9218	JG - 6	1141	964	177	18
Bilaspur				1170	1030	140	14
Kawardha				978	866	112	13
Janjgir-Champa	Urd	PU-31	Local	704	566	138	24
Bilaspur				910	625	285	46
Rabi - Oilseeds							
Janjgir-Champa	Mustard	NRCHBB - 101	Pusa	832	635	197	31

District	Crop	Variety		Yield		Gap	
		Minikit	Check	Minikit	Check	Actual	%
Bilaspur		NRCHB-101, PM-30		500	405	95	23
Kawardha		NRCBH-101, P-30, CS-56		692	491	202	41
Janjgir-Champa	Linseed	Azad 01 & JLS-67	Local	623	536	88	16
Bilaspur		Azad 01		405	396	9	2
Kawardha		Azad-1		471	352	119	34
Janjgir-Champa	Groundnut	Dharni	Local	1330	1110	220	20
Bilaspur	Mustard	K-6	Local	510	460	50	11

C. Seed Minikit Pulses and Oilseeds:2018-19

(Minikit- Nos. and Qty. in qtls.)

District	Crop	Variety		Yield		Gap	
		Minikit	Check	Minikit	Check	Actual	%
Kharif - Pulses							
Janjgir-Champa	Arhar	TJT 501	Local	825	715	110	15
Bilaspur		TJT 502	Local	1180	920	260	28
Janjgir-Champa	Urd	PU-31	Local	802	668	134	20
Kharif - Oilseeds							
Janjgir-Champa	Sesame	RT- 351	Local	486	342	144	42
Bilaspur				450	260	190	73
Kawardha				472	343	129	38
Kawardha	Soybean	JS-95-60	Local	1306	713	593	83
Rabi - Oilseeds							
Bilaspur	Mustard	PM-30	Local	400	320		
Janjgir-Champa	Groundnut	Dharni	Local	1289	1055	234	22
Bilaspur		K-9	Local	1440	1210	230	19

16. TARGETED RICE FALLOW AREA (TRFA)

Observations

- Out of total allocation of Rs. 41.03 Crore (Pulses-31.76 Cr.; Oilseed-9.27 Cr.) under TRFA, the state made an expenditure of Rs. 9.35 Crore (23% utilized) till February, 2019.
- In RKVY-TRFA Pulses Seed Minikits Gram and Lentil, totaling to 11775 minikit (56%) were demonstrated against the target of 21000 minikits (Minikit size: *Gram @ 16 kg, & Lentil @ 8 kg each*). Similarly under TRFA-Oilseed Minikit Mustard & Groundnut (Minikit size: *Mustard @ 2 kg, & Groundnut @ 20 kg each*) were also made available to the State during rabi- summer 2018-19. A total of 14000 nos. of minikits were allocated for rabi 2018-19 but, state did not conduct and distribute minikits under TRFA Oilseed programme.
- Director CG emphasized the difficulties in TRFA implementation are open grazing obstructs the expansion of crop area, lack of firm marketing system, lack of water conservation structures, dependency on other states for seeds of pulses and oilseeds, inadequate arrangement of procurement of pulses and oilseeds crops at MSP (Minimum Support Price) and lack of processing industry for the crops other than paddy.
- Rabi area is very less in CG due to agro-climatic situation and soil quality. It limits the area increase. The percentage irrigation of the state is 34 to 35% but it is much less in rabi.

Suggestions

- NLMT team remarked that many schemes have been given to state but many more potential need to be exploited. 60% rice fallow area remain unutilized which need to be covered. Technologies are available for rice, oilseeds and pulses. Convergence is the best way to cover rice fallow including pulses and oilseeds. Social issue of stray cattle has become more serious for the last 2-3 years. Cluster approach is the best way.
- For area expansion in rabi micro-irrigation need to be increased with water check dam, MG MGNREGa, PMKSY and other convergence. The rabi rice in CG is a big challenge to divert through oilseeds and pulses.
- Marketing and value addition need to be focused. Marketing support is in-built in the scheme of TRFA. Baseline survey and impact study is must to know the output. Scientific, measurable indicators must be known based on the interventions

16.1 TRFA: Physical and Financial Progress 2018-19 (Upto Feb., 2019)

The Physical and Financial progress during 2018-19 under TRFA (Pulses and Oilseeds) towards critical interventions are indicated below (Table-10.1 & 10.2).

A. TRFA -Pulses : Physical and Financial Progress (2018-19)

(Unit: in Nos; Fin: Rs. in Lakh)

Component	Unit	Physical			Financial		
		T	A	%	T	A	%
Cluster Demonstration	ha	21000	21000	100	1890.00	759.09	40
Production & Distribution of seeds	Qtls	2200	370	17	110.00	0.00	0
Integrated Nutrient Management	ha	182000	123500	68	710.00	62.91	9
Integrated Pest Management	ha	40000	25500	64	200.00	0.00	0
Water Saving Device	ha	3000	260	9	200.50	0.06	0
Farm Machinery	Nos.	5280	2840	54	52.50	4.20	8
Cropping System Based Trainings	Nos.	90	45	50	12.60	0.70	6
Total					3175.60	826.96	26

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

B. TRFA - Oilseeds : Physical and Financial Progress (2018-19)

(Unit: in Nos; Fin: Rs. in Lakh)

Component	Unit	Physical			Financial		
		T	A	%	T	A	%
Cluster Demonstration	ha	10345	11506	111	565.00	186.09	33
Integrated Nutrient Management	ha	60000	43500	73	300.00	0.00	-
Integrated Pest Management	ha	10000	6500	65	50.00	0.00	-
Cropping System Based Trainings	Nos.	50	22	44	12.00	0.00	-
Total					927.00	186.09	20

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

16.2 TRFA : PULSES SEED MINIKIT ALLOCATION (RABI-2018-19)

(M-Minikit in Nos; Q-Quantity in qtls.)

S.No	District	Supplying Agency											
		Gram (16 kg/kit) (JG-14, RVG-203)						Lentil – (8 kg/kit) (IPL-316)				Pulses Total	
		NSC		NAFED		IFFDC		NSC		NAFED		M	Q
		M	Q	M	Q	M	Q	M	Q	M	Q		
1	Balodabazar			1375	220					1000	80	2375	300
2	Rajnandgaon			1500	240					1500	120	3000	360
3	Gariyaband			1500	240					1500	120	3000	360
4	Bilaspur					1125	180	500	40			1625	220
5	Raigarh					1000	160	680	54.40			1680	214.4
6	Surguja					1000	160	500	40			1500	200
7	Jagdalpur	1500	240							1445	115.60	2945	355.6
8	Kondagaon	1375	220							1000	80	2375	300
9	Kanker	1500	240							1000	80	2500	320
Total		4375	700	4375	700	3125	500	1680	134.4	7445	595.6	21000	2630

16.3 TRFA : OILSEED SEED MINIKIT ALLOCATION (RABI-2018-19)

(Minikit- Nos. and Qty. in qtls.)

S.No.	District	Mustard (2 kg/kit) (variety-RH-0406)		Groundnut – (20 kg/kit) (variety-ICGV-9114)		Supplying Agency
		Minikit	Quantity	Minikit	Quantity	
1	Balodabazar	500	10	500	100	National Seed Certification Agency (NSC)
2	Rajnandgaon	500	10	500	100	
3	Gariyaband	500	10	3000	600	
4	Bilaspur	400	8	500	100	
5	Raigarh	400	8	3000	600	
6	Surguja	500	10	500	100	
7	Jagdalpur	400	8	1000	200	
8	Kondagaon	400	8	500	100	
9	Kanker	400	8	500	100	
Total		4000	80	10000	2000	

16.4 TRFA Seed Minikit Distribution (Rabi- 2018-19)

(Minikit- Nos. and Qty. in qtls.)

S.No.	District	Gram		Lentil	
		Minikit	Quantity	Minikit	Quantity
1	Balodabazar	1375	220.00	1250	100.00
2	Rajnandgaon	1500	240.00	1500	120.00
3	Gariyaband	1500	240.00	1250	100.00
4	Jagdalpur	0	0	1400	115.60
5	Kondagaon	0	0	1000	80.00
6	Kanker	0	0	1000	80.00
Total		4375	700.00	7400	595.60

Source: Directorate of Agri. Raipur, Govt. of CG, Ref. RKVY/TRFA/2018-19/617 dated 27/11/2018

17. CLUSTER DEMONSTRATION : ACHIEVEMENT AND TARGET

17.1 NFSM- Cluster demonstration: Performance and Target (2017-18 & 2018-19)

A. District: Janjgir-Champa

Session	Crop	Variety	Area (ha.)	Production (qtl./ha)	Yield (kg/ha)		% yield increase
					Demo. Plot	Check Plot	
Target & Achievement 2017-18							
Kharif	Rice	PKV-HMT	150	49.56	4956	4280	16
	Intercropping Urad + Maize	Azad- 3 Hybrid -4558	200	5.80	580	300	93
Rabi	Gram	JAKI 9218	300	10.41	1041	913	14
	Pea	Prakash	50	12.90	1290	1100	17
	Urd	Azad 3	600	10.16	1016	870	17
	Moong	HUM- 12	200	11.00	1100	1031	7
	Intercropping Urad + Maize	Azad- 3 Hy-22027	100	11.60	1160	1036	12
Target & Achievement 2018-19							
Kharif	Rice	PKV-HMT	100	45.20	4520	4180	8
	Intercropping Urad + Maize	PU-31 Hy-4558	200	7.86	786	602	31
Rabi	Gram	RVG-201	300	-	-	-	-
	Urd	MASH-479	200	-	-	-	-
	Moong	IPM-2-3	50	-	-	-	-
	Intercropping Urad + Maize	MASH-479 Hybrid Maize 22027	100	-	-	-	-

B. District-Bilaspur

Session	Crop	Variety	Area (ha.)	Production (qtl./ha)	Yield (kg/ha)		% yield increase
					Demo. Plot	Check Plot	
Target & Achievement 2017-18							
Kharif	Rice	Rajeshwari	1350	34.7	3470	3011	15
	Race Hybrid	Co-4	1000	48.8	4880	3930	24
	Pigeonpea	Rajiv Lochan	100	9.78	978	780	25
	Maize	Bio 22027	300	8.20	820	760	8
Rabi	Intercropping	4558 + Rajiv Lochan	100				
	Gram	JAKI 9218	750	11.49	1149	949	21
	Pea	Prakash	300	11.33	1133	825	37
Target 2018-19							
Kharif	Rice	Rajeswari, Swarna Sub-01, DRR, Maheshwari, Karma Masuri, KPH 371	2700	-	-	-	-
Rabi	Gram	JAKI 9218, GJG -3	1900	-	-	-	-
	Pea	Prakash	100	-	-	-	-
	Urd	TAU-01	100	-	-	-	-
	Moong	BM 2003-04	100	-	-	-	-
	Maize	BIO 22077	300	-	-	-	-

C. District-Kawardha

Session	Crop	Variety	Area (ha.)	Production (qtl./ha)	Yield (kg/ha)		% yield increase
					Demo. Plot	Check Plot	
Target & Achievement 2017-18							
Kharif	Rice	Rajeswari	700	36.85	3685	2921	26
		Shahadry Hybrid	200	41.91	4191	2956	42
	Moong	HUM-12	100	2.75	275	200	38
	Maize	NMH-803	100	26.1	261	219	19
	Intercropping	JS 92-05	200	7.825	783	635	23
		Rajeev Lochan		8.075	808	673	20
Rabi	Gram	JAKI-9218	700	11.34	1136	869	31
	Moong	HUM-12	100	9.4	940	710	32
Target & Achievement 2018-19							
Kharif	Rice	Shayadri-4	400	48.70	4870	3970	23
Rabi	Gram	JAKI -9218	600	-	-	-	-

Suggestions:

- The Department should proactively facilitate the farmer in the allied sectors as well to ensure holistic development of farming community and doubling of farmers income.
- The districts like Janjgir-champa having >92% area under assured irrigation, proper crop plan for whole year i.e. rice succeeding pulse excess moisture and increase should be prepared to utilize cropping intensity.
- There is a lot of scope of increasing area under double cropping with pulses in Rice based cropping system of Chhattisgarh. Rice fallow can be converted into Rice followed by chickpea, lentil, wheat, linseed and pea, if suitable production technology/variety is given to the farmers.
- Popularization of new variety of Chickpea (JG 16, RVG 202, RVG 203); Lentil (JL3, DPL 62 (Sheri), IPL 316, 814, RVL 31); Pea (Indira Matar-4); Mungbean (Pairi, TARM 2, Pusa Vishal, Pragya Mung); Urd (Pant U 31); Linseed (Indira Alsi- 32 (RLC-81), Kartika (RLC 16), Deepika (RLC 78) not only need to be popularized but seeds production programme of these varieties should also be organized.
- Newly developed production technology of Chickpea with promising varieties needs to be demonstrated among the farmers. Other varieties like RVG 202 and RVG 203 which are high yielder, resistance to multiple diseases should be demonstrated in these areas. Interventions of good technologies coupled with trainings will only boost-up the productivity of this crop. It is therefore, advised that serious efforts are needed to provide full recommended package in conduction of the demonstration.
- In all the sample districts visited by the Team, it is noticed that execution of cropping system based cluster demonstration (mandatory 30% of total demonstration in a district has not been done. The objective of CSBD system in the mission was aimed at a definite support to rabi pulses for higher total system productivity. The state need to look seriously to this component.

- The team suggested that actual allotment and performance of demonstrations by SADO and subordinate staff based on input criteria would be detailed in register and purchasing and demand placing so that things will be clear.
- The nutrient/micronutrients etc. should be soil test based, recommended time of irrigation, proper layout, sowing of test as well as check variety at the same time, need to be given more attention during the organization of demonstrations. The team strongly recommends compliance of full package of practices, where all inputs are used with mandatory planting by line sowing.

18. CLUSTER FRONTLINE DEMONSTRATION (2018-19)

Observations

- During kharif 970 ha of demonstration of pulses (*Pigeonpea-420, Mung bean 60, Urdbean 420 and Horse gram 70*) were organized. While during rabi a total of 800 ha of cluster demonstration under Chickpea-500, Fieldpea-140, Lentil-80 and Lathyrus-80 have been organized.
- The Director Extension IGKVV, Raipur also gave an account of FLDs on Oilseed for both the season (kharif 610 ha.; rabi 600 ha.). Crops covered during kharif were Groundnut, Niger, Sesame and Soybean. The rabi crops were R&M, Linseed, Groundnut, Safflower and Sesame.

Suggestion:

- Each districts, based on the 10 years of NFSM implementation may prepare varietal impact considered under demonstrations in comparison to local cultivar (Non-descript) for realistic seed and varietal assessment. This will also help in formulation of district plan.
- The Planning of demonstration should be done well in advance. The package of practices for new varieties should be provided to field functionaries with wide publicity.
- The NLMT also recommends that the KVK and Development Deptt. (DDA) must share the information on conducting of Cluster Demonstrations/FLDs/Field Days/FFS etc., for better synergy/outcome and mutual benefits of their experience to benefit the farming community in providing technology. Because, the scheme has time bound targeted objectives, so more attention need to be given at Head Quarter as well as district level on implementation of the scheme to fulfill the same.
- Farmer's perception of use of more seed/fertilizer to get the bumper crop yield, need to be changed by advocating /demonstrating optimum seed rate and balanced fertilizer on the basis of soil testing report and demonstrating use of the green manure crop i.e. Dhaincha (*Susbenia aculata* and *rostata*) for sustained the soil life.
- Single box seed drills should be replaced by double box seed drill (Seed-cum-fertilizer drill). Mixing of seed and fertilizer together in one box is common practice and not recommended as it may damage to seeds due to hygroscopic nature of fertilizers.
- For better extension/awareness the uniformity in preparation of display board, with detailed information on interventions, across the state, is required. Display board should be installed Line sowing is still need to be insisted and popularized for overall crop management. It has been noticed that even in the cluster demonstrations; judicious method of planting i.e. line sowing has been compromised.

A. Kharif CFLDs : Target & Achievements (2018-19)

Crop	Area (Ha)		No. of KVKs	Varieties Undertaken	Yield (qtl/ha)		Yield gap	
	Target	Ach.			Demo	Local	Actual	%
Pulses								
Blackgram	400	420	17	Mash -479, PU-31, Birsa urd, Pratap Urd, Indira Urd 1, Azad-3	6.79	4.90	1.89	39
Greengram	70	60	12	IPM 2-3, HUM -12, TJM- 3	6.20	4.40	1.80	41
Horsegram	80	70	4	IndraKuthi 1	-	-	-	-
Pigeonpea	380	420	19	TJT- 501, Rajiv Lochan	-	-	-	-
Total	930	970			6.50	4.65	1.85	40
Oilseeds								
Groundnut	160	160	9	Dharni, K 6	11.00	8.16	2.84	35
Niger	200	200	9	JNS 9, JNS 28	3.60	2.70	0.90	33
Sesame	70	70	4	TKG 22, TKG 55, TKG 306	4.36	3.14	1.22	39
Soybean	180	180	7	JS 95-60, JS 97-52	11.42	9.07	2.35	26
Total	610	610			7.60	5.77	1.83	32

B. Rabi CFLDs : Target & Achievements (2018-19)

Crop	Area (Ha)		Financial (Rs. In Lakh)		KVKs Covered	Varieties Demonstrated	Yield (qtl/ha)		Yield gap	
	Target	Ach.	Target	Fund Rel.			Demo	Local	Actual	%
Pulses										
Chickpea	565	500	49.50	41.14	23	JAKI-9218, JG - 140, JG-130, JG-14, Vaibhav	16.92**	15.50	1.42	9
Field pea	155	140	13.50		8	Paras, Prakas, Vikas	Awaits	-	-	-
Lathyrus	90	80	8.10		4	Prateek	Awaits	-	-	-
Lentil	80	80	10.80		5	HUL-57, IPL-316, IPL-318	Awaits	-	-	-
Total	890	800	81.90							
Oilseeds										
Mustard	280	300	16.80	50.12 (K+R)	12	CG Sarson 1, NRCHB-101, Pusha Vijay, RH-406, PM 26	10.15	6.60	3.55	54
Linseed	260	210	13.00		14	RLC 92, JLS-73, KARTIKA, Indira als-32	11.51	10.30	1.21	12
Groundnut	40	40	4.80		2	K 6	Awaits	-	-	-
Safflower	10	30	0.50		1	-	13.05	8.00	5.05	63
Sesame	30	20	1.50		2	NT 11, TKG-56	Awaits	-	-	-
Total	620	600	36.60					11.57	8.30	3.27
Summer										
Blackgram	10		0.90	25% of target amount is awaited from ICAR.	1					
Greengram	150		10.80		8					
Groundnut	20		0.12		Fund	0				

Crop	Area (Ha)		Financial (Rs. In Lakh)		KVKs Covered	Varieties Demonstrated	Yield (qtl/ha)		Yield gap	
	Target	Ach.	Target	Fund Rel.			Demo	Local	Actual	%
Sesame	30	10	0.05	unavailable	1					
Total	210	10	11.87							

Note: The result is based on 1 KVK result

C. Crop-wise and visited districts CFLD Progress

i) District: Janjgir-Champa

Season/Crop	Variety	Target		Achievement		Financial (Rs. in lakh)		Yield (kg./ha)		Yield Gap	
		Area (ha)	No. of FLDs	Area (ha)	No. of FLDs	Alloc.	Achiev.	CFLDs Plot	Check variety	kg/ha	%
Pulses & Oilseeds : 2016-17											
Urd	Azad Urd-3	40	100	40	200	2.70	2.57	886	612	274	45
Urd	PU-31							858	612	246	40
Chickpea	JAKI 9218	20	50	20	43	1.35	1.94	1146	840	306	36
Lathyrus	Mahatiwara	40	100	8	13	2.70	0.35	265	333	-68	-20
Mustard	Pusa Vijay	30	75	30	49	0.81	0.78	1009	670	339	51
Linseed	Kartika & Deepika	30	75	30	43	0.81	0.71	485	394	91	23
Pulses & Oilseeds :2017-18											
Urd	Azad Urd-3	50	100	50	205	3.38	2.09	713	516	197	38
Chickpea	JG-130	30	75	30	62	2.03	2.03	1290	1040	250	24
Mustard	Pusa Vijay	30	75	15	27	0.81	0.37	908	732	176	24
Linseed	RLC 92	10	25	10	14	0.45	0.45	830	646	184	28
Pulses & Oilseeds : 2018-19											
Chickpea	JG-130	30	75	30	45	2.43	1.81	-	-	-	-
Mustard	Pusa Vijay	10	25	10	19	0.55	0.55	-	-	-	-
Linseed	Kartika	10	25	10	17	0.55	0.47	-	-	-	-

Technology Demonstrated in CFLDs

- **Pulses (2017-18) :** Gram variety JG 226, Seed Treatment with Rhizobium, PSB and Trichoderma Culture, Application of Herbicide (Pendimethalin 30% EC @ 1.00 l/Acre), Application of Insecticide - Indoxacarb @ 100 ml/Acre.
- **Oilseeds (2018-19): Linseed** variety Kartika, PSB@5 gram/kg seed, Seed 10-12 kg/acre Trichoderma@10gram/kg seed, Insecticide- Imidachloprid 17.8 % SL@ 100 ml/acre, fungicide- Redomil (Metalaxyl 4% + Mencozeb 64% WP) @ 750 g/acre.
- Mustard variety-Pusha Vijay@ 3 kg/acre Seed, PSB@5 gram/kg seed, Trichoderma @10 gram/kg seed, Imidachloprid 17.8 % SL@ 100 ml/acre, Redomil (Metalaxyl 4% + Mencozeb 64% WP) @ 750 g/acre.

ii) District-Bilaspur

Season/Crop	Variety	Target		Achievement		Financial (Rs. in lakh)		Yield (kg./ha)		Yield Gap	
		Area (ha)	No. of FLDs	Area (ha)	No. of FLDs	Alloc.	Achiev.	CFLDs Plot	Check variety	kg/ha	%
Pulses & Oilseeds : 2016-17											
Pigeonpea	Rajiv Lochan	80	205	80	205	5.40	2.79	1284	1080	204	19
Urd	Azad Urd 3	30	80	30	80	1.35	1.23	820	658	162	25
Chickpea	JAKI 9218	50	125	50	67	6.68	6.62	980	840	140	17
Linseed	RLC-92	30	75	30	35	1.67	1.45	670	540	130	24
Mustard	CG-Sarso	30	75	30	55			600	450	150	33
Pulses & Oilseeds :2017-18											
Pigeonpea	UPAS-120	30	75	30	37	5.53	2.48	1380	800	580	73
Chickpea	Vaibhav/ JG-14	30	75	30	43	5.53	3.04	1014	600	414	69
Lathyrus	Prateek	20	50	20	41			719	500	219	44
Line seed	RLC 92	20	50	20	30	1.97	0.98	670	600	70	12
Mustard	Pusa Vijay	30	75	30	40	0.00	0.95	825	700	125	18
Pulses & Oilseeds : 2018-19											
Pigeonpea	Rajiv Lochan	30	75	30	51	2.79	0.32	On going			
Urd	Shekhar	20	50	20	32	1.86	1.62	1033	700	333	48
Chickpea	JG-14	20	50	20	38	1.86	1.45	Ongoing			
Lathyrus	Mahatiwara	30	75	30	41	2.79	1.72	Ongoing			
Mustard	CG Sarson	40	100	40	38	2.20	On going				
Sesame	PKG 22	10	25	10	19	0.50	On going				

Technology Demonstrated in CFLDs

- **Pulses : For weed control** – Use Imazethapyr 70 % WG @ 50 ml/ acre.
- For Insect-pest control- Indoxacarb & pheromone trap used. IPM Practices (viz. seed Treatment With Carbendazim / Trichoderma + Indoxacarb + Bird Perches.

iii) District- Kawardha

Season/ Crop	Variety	Target		Achievement		Financial (Rs. in lakh)		Yield (kg./ha)		Yield Gap	
		Area (ha)	No. of FLDs	Area (ha)	No. of FLDs	Alloc.	Achiev.	CFLDs Plot	Check variety	kg/ha	%
Pulses & Oilseeds : 2016-17											
Mungbean	SML 668, HUM 16	20	50	20	50	1.35	1.35	120	95	25	26
Pigeonpea	LRG 41	20	50	20	50	1.35	1.35	1600	1375	225	16
Chickpea	JAKI 9218	45	77	45	77	-	-	1400	1250	150	12
Lentil	Masoor 1	20	47	20	47	-	-	93	80	13	16
Rabi Pigeonpea	ICPL-87119	5	8	5	8	5.33	5.33	95	-	-	-
Mustard	PM 24	30	75	30	75	0.81	0.81	1120	830	290	35
Pulses & Oilseeds :2017-18											

Season/ Crop	Variety	Target		Achievement		Financial (Rs. in lakh)		Yield (kg./ha)		Yield Gap	
		Area (ha)	No. of FLDs	Area (ha)	No. of FLDs	Alloc.	Achiev.	CFLDs Plot	Check variety	kg/ha	%
Pigeonpea	ICPL-87119	60	150	60	150	8.63	3.52	1566	1390	176	13
Chickpea	JG 14	50	125	50	125	8.63	-	1568	1420	148	10
Soybean	JS 95-60, JS 97-52	50	125	50	125	3.00	3.00	834	620	214	35
Mustard	Pusa Vijay	15	37	15	37	0.90	0.90	1188	1000	188	19
Linseed	RLC-92	15	37	15	37	0.75	0.75	1218	1100	118	11
Pulses & Oilseeds : 2018-19											
Pigeonpea	Rajiv Lochan	50	125	50	125	4.65	4.65	1730	1580	150	9
Chickpea	JG 14	50	125	50	125	4.05	2.33	-	-	-	-
Soybean	JS 95-60	40	100	40	100	3.00		839	650	189	29
Groundnut	Dharni	10	25	10	25	1.20	2.66	1385	1125	260	23
Linseed	Indira Alsi-32	10	15	10	15	0.50	-	-	-	-	-

19. NFSM-CROPS: FINANCIAL PROGRESS (2016-17 to 2018-19)

(Till Feb., 2019)
(Rs. in Lakhs)

Financial Year	Approved allocation			Availability of funds			Expenditure			% Utiliz. CS
	Central Share	State Share	Total	Unspent Bal.(CS)	Release CS	Total CS	Central Share	State Share	Total	
NFSM- RICE										
1. Bilaspur										
2016-17	251.30	167.54	418.84	15.14	324.87	340.01	201.72	134.48	336.20	59
2017-18	326.33	217.56	543.89	3.82	436.5	440.32	213.90	142.60	356.50	49
2018-19	397.59	265.06	662.65	34.14	285.83	319.97	190.64	127.10	317.74	60
2. Kawardha										
2016-17	72.00	48.00	120.00	44.20	120.00	164.20	79.50	53.02	132.52	48
2017-18	206.38	137.58	343.96	113.45	343.96	457.41	56.71	37.80	94.51	12
2018-19	90.22	60.14	150.36	0.00	150.36	150.36	42.95	28.64	71.59	29
NFSM-PULSES										
1. Bilaspur										
2016-17	154.89	103.26	258.15	5.56	148.00	153.56	90.08	60.05	150.13	59
2017-18	135.39	90.26	225.65	3.43	209.76	213.19	91.52	61.02	152.54	43
2018-19	146.47	97.64	244.11	60.64	84.50	145.14	38.42	25.61	64.03	26
2. Janjgir-Champa										
2016-17	126.01	84.01	210.02	68.16	45.43	113.59	68.02	45.35	113.37	60
2017-18	84.91	56.60	141.51	134.52	89.68	224.20	97.27	64.84	162.11	43
2018-19	128.75	85.84	214.59	62.33	90.61	152.94	71.06	47.37	118.44	46
3. Kawardha										
2016-17	49.80	33.20	83.00	0.03	83.00	83.03	74.82	49.88	124.70	90
2017-18	121.91	81.28	203.19	24.11	203.19	227.30	110.46	73.64	184.10	49
2018-19	46.38	30.92	77.30	0.00	77.30	77.30	48.66	32.44	81.09	63
NFSM-ADDITIONAL PULSES										

Financial Year	Approved allocation			Availability of funds			Expenditure			% Utiliz. CS
	Central Share	State Share	Total	Unspent Bal.(CS)	Release CS	Total CS	Central Share	State Share	Total	
1. Bilaspur										
2016-17	45.15	30.10	75.25	-	77.15	77.15	29.58	19.72	49.30	38
2017-18	69.78	46.52	116.30	28.69	91.15	119.84	59.49	39.66	99.15	50
2. Jangir-Champa										
2016-17	13.50	9.00	22.50	17.70	11.80	29.50	12.94	8.63	21.57	44
2017-18	85.89	57.26	143.15	85.89	57.26	143.15	70.32	46.88	117.19	49
2018-19	45.93	30.62	76.55	-	76.55	76.55	37.54	25.03	62.57	49
3. Kawardha										
2016-17	22.50	15.00	37.50	33.58	37.50	71.08	18.28	12.19	30.47	26
2017-18	56.25	37.50	93.75	43.48	93.75	137.23	30.16	20.11	50.27	22
NFSM- COARSE CEREALS										
1. Kawardha										
2016-17	8.25	5.50	13.75	2.37	13.75	16.12	7.09	4.72	11.81	44
2017-18	13.18	8.79	21.97	7.77	21.97	29.75	2.07	1.38	3.45	7
NFSM- NUTRI-CEREALS										
1. Kawardha										
2018-19	7.57	5.05	12.62		12.62	12.62	-	-	-	-

20. COMMODITY AND SCHEME-WISE : FINANCIAL PROGRESS

A. Bilaspur

(Till Feb., 2019)

(Rs. in Lakhs)

S.No.	Scheme	Allocation	Revalidation	Release CS	State Share	Available Fund	Expend.	Unspent Balance	% Utili.
A.	NFSM								
1	Paddy	285.83	34.15	171.49	114.34	319.98	317.75	2.23	99
2	Pulses	84.50	60.65	50.70	33.80	145.15	64.04	81.11	44
3	Addl. Pulses	249.75	20.58	149.85	99.90	270.33	139.15	131.19	51
4	Oilseeds	2.51		1.51	1.00	2.51	2.50	0.01	100
Total NFSM		622.59	115.38	373.55	249.04	737.97	523.43	214.53	71
5	RKVY	63.34		48.34	0.00	48.34	32.68	15.66	68
6	NMAET	135.00		135.00	0.00	135.00	135.00	0.005	100
7	NMSA	21.00		12.60	8.40	21.00	15.52	5.48	74
8	ATMA	192.40	17.90	58.00	0.00	75.90	62.19	13.72	82
Grand Total		1034.33	133.28	627.49	257.44	1018.21	768.81	249.39	76

B. Janjgir-Champa

(Rs. in Lakhs)

S.No.	Scheme	Allocation	Revalidation	Release CS	State Share	Available Fund	Expend.	Unspent Balance	% Utili.
A.	NFSM								
1	Pulses	214.59	62.33	54.37	36.24	152.94	118.44	34.50	77
2	Addl. Pulses	76.55	0.00	45.93	30.62	76.55	62.57	13.98	82
3	Oilseeds	18.06	0.00	3.53	2.35	5.88	5.83	0.05	99
Total NFSM		309.20	62.33	103.83	69.21	235.37	186.84	48.53	79
4	RKVY	37.75	0.00	37.75	0.00	37.75	37.75	0.00	100
5	NMAET	261.06	32.02	148.85	0.00	180.87	180.80	0.07	100
6	NMSA	92.70	0.00	68.99	23.71	92.70	77.70	15.00	84
7	PKSY	460.00	207.85	460.00	0.00	667.85	392.11	275.73	59
8	ATMA	70.50	9.59	35.25	35.25	80.09	80.00	0.09	100
Grand Total		1231.21	311.78	854.67	128.17	1294.62	955.20	339.42	74

C. Kawardha

(Rs. in Lakhs)

S.No.	Scheme	Allocation	Revalidation	Release CS	State Share	Available Fund	Expend.	Unspent Balance	% Utili.
A.	NFSM								
1	Pulses	214.59	62.33	54.37	36.24	152.94	118.44	34.50	77
2	Addl. Pulses	76.55	0.00	45.93	30.62	76.55	62.57	13.98	82
3	Oilseeds	18.06	0.00	3.53	2.35	5.88	5.83	0.05	99
Total NFSM		309.20	62.33	103.83	69.21	235.37	186.84	48.53	79
4	RKVY	37.75	0.00	37.75	0.00	37.75	37.75	0.00	100
5	NMAET	261.06	32.02	148.85	0.00	180.87	180.80	0.07	100
6	NMSA	92.70	0.00	68.99	23.71	92.70	77.70	15.00	84
7	PKSY	460.00	207.85	460.00	0.00	667.85	392.11	275.73	59
8	ATMA	70.50	9.59	35.25	35.25	80.09	80.00	0.09	100
Grand Total		1231.21	311.78	854.67	128.17	1294.62	955.20	339.42	74

21. NFSM : COMPONENT-WISE PHYSICAL AND FINANCIAL PROGRESS : 2018-19

A. Bilaspur

(Till Feb., 2019)

(Physical-Nos. and Financial- Rs. in Lakhs)

Component	NFSM-Pulses						NFSM- Rice					
	Physical			Financial			Physical			Financial		
	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	200	200	100	18.00	5.90	33	1900	1900	100	171.00	123.51	72
Prod. & dist. of seeds (Qtls)	1300	893	69	61.25	14.67	24	5100	4700	92	122.00	72.86	60
INM (ha)	4200	4200	100	20.50	13.83	67	8100	8100	100	41.00	27.57	67
IPM (ha)	6790	6790	100	33.95	22.81	67	17000	17000	100	85.00	56.43	66
RCT (Nos.)	933	718	77	28.64	0.00	0	4302	3500	81	71.21	8.49	12
WCT (Nos.)	7126	0	0	16.15	0.00	0	250018	0	0	14.30	0.00	0
CSBT (Nos.)	200	100	50	30.00	6.50	22	1000	700	70	135.00	25.91	19
Local Initiatives	10	10	100	15.00	15.00	100	5	5	100	7.50	0.00	0
Total				223.49	78.71	35				647.01	314.77	49

B. Janjgir-champa

(Physical-Nos. and Financial- Rs. in Lakhs)

Component	NFSM-Pulses					
	Physical			Financial		
	T	A	%	T	A	%
Demo. (ha)	400	400	100	42.00	38.50	92
Prod. & dist. of seeds (Qtls)	1619	1355	84	73.45	52.02	71
INM (ha)	2350	2350	100	10.88	10.88	100
IPM (ha)	2500	2500	100	12.50	12.50	100
RCT (Nos.)	1105	241	22	24.26	0.00	0
WCT (Nos.)	3020	0	0	3.50	0.00	0
CSBT (Nos.)	15	15	100	2.10	2.10	100
Local Initiatives	20	1	5	30.00	1.50	5
Total				198.69	117.49	59

C. Kawardha (Kawardha)

(Physical-Nos. and Financial- Rs. in Lakhs)

Component	NFSM-Pulses						NFSM- Rice					
	Physical			Financial			Physical			Financial		
	T	A	%	T	A	%	T	A	%	T	A	%
Demo. (ha)	200	100	50	24.00	0.00	0	900	400	44	93.00	25.55	27
Prod. & dist. of seeds (Qtls)	2750	2325	85	135.00	25.94	19	5200	2164	42	118.00	20.46	17
INM (ha)	2600	1000	38	12.80	0.00	0	3100	0	0	16.00	0.00	0
IPM (ha)	3900	1500	38	19.50	3.62	19	4500	2000	44	22.50	2.50	11
RCT (Nos.)	865	0	0	23.46	0.00	0	3027	0	0	49.27	0.00	0
WCT (Nos.)	7102	0	0	13.80	0.00	0	15015	0	0	9.00	0.00	0
CSBT (Nos.)												
Local Initiatives	5	0	0	7.50	0.00	0	3	9	300	4.50	13.50	300
Total				236.06	29.57	13				312.27	62.02	20

22. FERTILIZER STATUS RABI 2018-19

Fertilizer	Bilaspur				Jangir-champa				Kawardha			
	T	A	D	Gap/ (% Distri.)	T	A	D	Gap/ (% Distri.)	T	A	D	Gap/ (% Distri.)
Urea	3000	1851	178	1673 (10%)	6500	13154	8166	4988(62%)	5500	5622	4900	722 (87%)
SSP	3700	2688	117	2571 (4%)	6400	1145	575	570 (50%)	2500	2652	2500	152 (94%)
DAP	2000	3369	614	2755 (18%)	3250	609	150	459 (25%)	2850	1757	1400	357 (80%)
MOP	600	539	139	400 (25%)	1260	392	193	199 (49%)	400	361	280	81 (78%)
12:32:16	200	272	0	272 (0%)	4200	295	38	257 (13%)	600	567	490	77 (86%)
Total	9500	8719	1048	7671 (12%)	21610	15595	9122	6473(58%)	11850	10959	9570	1389 (87%)

23. SEED INPUT STATUS RABI -2018-19

(Quantity in Qtls)

Crop	Bilaspur			Jangir-champa			Kawardha		
	T	A	D	T	A	D	T	A	D
Wheat	5104	5092	5092	6800	8133	8133	1000	511	511
Others				120	118	118			
Total cereals	5104	5092	5092	6920	8251	8251	1000	511	511
Gram	1779	1234	1234	930	701	701	5605	3013	3013
Lentil	1.2	57.2	57.2	0	0	0			
Pea	15.6	15.6	15.6	30	32	32			
Urd				300	105	105			
Mung				180	43	43			
Lathyrus	20.7	5.4	5.4				500	1	1
Others				70	33	33			
Total Pulses	1817	1313	1313	1510	914	914	6105	3014	3014
Linseed				30	30	30			
R & Mustard	11	49	49	200	80	80			
Groundnut	0	100	100	60	105	105			
Sesamum	1.59	1.3	1.3						
Niger				70	42	42			
Total Oilseeds	13	151	150	360	257	257			
Total Rabi Crops	6934	6556	6556	8790	9422	9422	7105	3525	3525

FIELD PHOTOGRAPHS

District- Bilaspur



Interaction with Field Functionaries/Kisan Mitra
Block- Masturi, Village-Malhar



Scheme - Seed Production Processing-cum Storage
Godown (NMAET-SMSP)
Beneficiary - Sh. Raghvendra Singh Chandel
(Kisan Beej Utpadit Sahkari Maryadit)
Block-Masturi, Village-Rizda



RKVY (2016-17) - Krishi Seva Kendra (CHC)
Block-Masturi, Village-Rizda



NFMS- Cluster Demo. – Chickpea (var. JAKI 9218)
Block-Masturi, Village-Rizda

District- Janjgir-Champa



Scheme - Seed Production Processing-cum Storage Godown under (NMAET-SMSP)
Beneficiary - Sh. Ajit Ram Sahu
 Block-Bamnadih, Village-Sarwani



Review meeting of Seed-hub, CFLDs & Others with District Agri. & KVK Officers
District- Janjgir champa



State Scheme - Saur Sujala Yojna
 Block-Nawagard, Village -Sukli



NFSM Seed-hub –Inspection of seed quality at KVK- Janjgir champa produced under Seed-hub

District- Kawardha



NFSM- Seed-Hub , KVK-Kawardha



Scheme: ATMA (FIGs)
Maa Durga Khadya Prasanskan Samiti Organic
Food Plaza
Block-Bodla, Village- Sarodhadadar



NFSM CFLD – Chickpea (var.-JG 74)
Block-Bodla, Village- Rajadhar

District- Baloda Bazar & RVSKVV Review Meeting



Kisan Gosthi –Block-Kasdol, Village- Darra



NFSM- RCT Beneficiary
Paddy Thresher, Block- Block-Kasdol, Village- Darra



State Scheme- Saur Sujla Yojna
Block- Bhatapara, Village- Bendri



Wrap-Meeting with all the Depts Heads/IGKVV
College of Agriculture, IGKVV, Raipur

NFSM: PHYSICAL AND FINANCIAL PROGRESS DURING 2018-19: CHHATTISGARH

NFSM-RICE: Physical & Financial Target & Achievement of Chhattisgarh (Till Feb.,2019)

(Financial: Rs. in Lakh)

S. No.	Interventions	Approved Rate of assistance	Unit	Total Target		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
1	(a) Cluster Demonstration by State Department of Agriculture with the technical backstopping of ICAR/SAUs/IRRI (One Cluster of 100 ha).						
	(i) Direct Seed Rice	Rs. 9000/- per ha	Ha	3000	270.00	2800	242.00
	(ii) Line Transplanting	Rs. 9000/- per ha	Ha	2800	252.00	2700	225.00
	(iii) SRI	Rs. 9000/- per ha	Ha	2000	180.00	1900	162.00
	Sub Total (a)		Ha	7800	702.00	7400	629.00
	(b) Hybrid Rice (One Cluster of 100 ha)	Rs. 9000/- per ha	Ha	7380	664.20	7380	612.25
	(c) Demo. on stress tolerance varieties of 100 ha each (30% of the total financial allocation of demonstrations)	Rs. 9000/- per ha	Ha	1000	90.00	1000	72.39
	(d) Cropping System based demonstrations (30% of the total financial allocation of demonstrations) (cropping Sequence to be specified)						
	(i) Rice-Gram	Rs. 15000/- per ha	Ha	1700	255.00	1700	153.00
	(ii) Rice-pea	Rs. 15000/- per ha	Ha	500	75.00	400	36.00
	(iii) Rice-Maize	Rs. 15000/- per ha	Ha	4499	674.85	3000	270.00
	Sub Total (d) Cropping System Based Demonstration		Ha	6699	1004.85	5100	459.00
	Total Demonstration [1 (a) to 1 (d) 44%		Ha	22879	2461.05	20880	1772.64
2	Seed Distribution (Rate of Assistance or 50% of cost whichever is less)						
	(a) Hybrid Rice seed	Rs.10000/q	Qtl.	2850	285.00	1990	199.00
	(b) HYV Seed of Rice (For varieties older than 10 years) limited 20 percent of total seed distribtion target	Rs. 1000/q	Qtl.	16610	166.10	8000	80.00
	(c) HYV Seed of Rice (For varieties less than 10 years)	Rs. 2000/q	Qtl.	32470	649.40	9500	162.00
	Sub Total 2 (a) to 2 (c) 20%			51930	1100.50	19490	441.00
3	Plant and Soil Protection management (Rate of Assistance or 50% of cost whichever is less)						
	(a) Soil Management						
	(i) Micronutrients	Rs. 500/ha	Ha	46990	234.95	40230	201.15
	(ii) Liming in Acidic Soils	Rs. 1000/ha	Ha	1500	15.00	1200	12.00
	Sub Total Soil Management (INM)			48490	249.95	41430	213.15
	(b) Plant Protection Management (Rate of Assistance or 50% of cost whichever is less)						
	(i) PP Chemicals & bio-agents	Rs. 500/ha	Ha	65075	325.38	65075	325.38
	(ii) Weedicides	Rs. 500/ha	Ha	50000	250.00	50000	250.00
	Sub Total Plant Management (IPM)		Ha	115075	575.38	115075	575.38
	Total Soil & Plant Protection Management 15%		Ha	163565	825.33	156505	788.53
4	Flexi Components (21% of the total allocation)						
(a)	Farm Implements & Equipments						
	(i) Cono-weeders for SC/ST, small & marginal,Women farmers	Rs. 600/Unit or 50% of the cost whichever less	Nos.	700	4.20	0	0.00
	(ii) Cono-weeders for other farmer	Rs. 500/Unit or 40 % of the cost whichever less	Nos.	1000	5.00	0	0.00
	(iii) Manual Sprayer/Knap sack	Rs. 600/Unit or 50% of the	Nos.	8000	48.00	3000	18.00

S. No.	Interventions	Approved Rate of assistance	Unit	Total Target		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
	sprayer/Foot Operated Sprayer for SC/ST, SMF farmers	cost whichever less					
4	(iv) Manual Sprayer/Knap sack sprayer/Foot Operated Sprayer for other farmer	Rs. 500/Unit or 40 % of the cost whichever less	Nos.	30014	150.07	8030	40.15
	(v) Power Sprayers SC/ST, small & marginal, Women farmers (8-12 litres)	Rs. 3100/Unit or 50% of the cost whichever less	Nos.	500	15.50	0	0.00
	(vi) Power Sprayers for other farmer (8-12 litres)	Rs. 2500/Unit or 40% of the cost whichever less	Nos.	3596	89.90	0	0.00
	(vii) Seed drills for SC/ST small & marginal, Women farmers below 20 BHP tractor driven	Rs. 15000/Unit or 50% of the cost whichever less	Nos.	120	18.00	0	0.00
	(viii) Seed drills for other farmer below 20 BHP tractor driven	Rs. 12000/Unit or 40% of the cost whichever less	Nos.	350	42.00	0	0.00
	(ix) Power weeder for SC/ST small & marginal, Women farmers engine operated below 20 BHP	Rs. 15000/Unit or 50% of the cost whichever less	Nos.	5	0.75	0	0.00
	(x) Power weeders for other farmer below 2 BHP	Rs. 12000/Unit or 40% of the cost whichever less	Nos.	15	1.80	0	0.00
	(xi) Zero till multi crop planters for SC/ST small & marginal, Women farmers above 20-35 BHP	Rs. 19000/Unit or 50% of the cost whichever less	Nos.	3	0.57	0	0.00
	(xii) Zero till multi crop planters for other farmer above 20-35 BHP	Rs. 15000/Unit or 40% of the cost whichever less	Nos.	8	1.20	0	0.00
	(xiii) Drum seeder for SC/ST small & marginal, Women farmers above 4 row	Rs. 1900/Unit or 50% of the cost whichever less	Nos.	5	0.10	0	0.00
	(xiv) Drum seeder for other farmer above 20 BHP	Rs. 1500/Unit or 40% of the cost whichever less	Nos.	10	0.15	0	0.00
	(xv) Rotavators/Turbo Seeder for SC/ST, small & marginal, Women farmers below 20 BHP	Rs. 35000/Unit or 50% of the cost whichever less	Nos.	40	14.00	0	0.00
	(xvi) Rotavators/Turbo Seeder for other farmer below 20 BHP	Rs. 28000/Unit or 40% of the cost whichever less	Nos.	215	60.20	0	0.00
	(xvii) Paddy thresher/multi-crop thresher for SC/ST small & marginal, Women farmers above 35 BHP	Rs. 63000/Unit or 50% of the cost whichever less	Nos.	35	22.05	0	0.00
	(xviii) Paddy thresher/multi-crop thresher for other farmer above 35 BHP	Rs. 50000/Unit or 50% of the cost whichever less	Nos.	228	114.00	0	0.00
	(xix) Self propelled Paddy transplanter for SC/ST small & marginal, Women farmers 4 rows	Rs. 94000/Unit or 50% of the cost whichever less	Nos.	45	42.30	0	0.00
	(xx) Self propelled Paddy transplanter for other farmer 4 rows	Rs. 75000/Unit or 40% of the cost whichever less	Nos.	60	45.00	0	0.00
	(xxi) Distribution of Power Tiller (8 BHP & above) for SC/ST, small & marginal, Women farmers	50% of cost or Rs. 75,000/	Nos.	60	45.00	0	0.00
	(xxii) Distribution of Power Tiller (8 BHP & above) for General farmers	40% of cost or Rs. 60,000/	Nos.	130	78.00	0	0.00
	Sub Total (4a)			45139	797.79	0	58.15
(b)	Water Application Tools						
	(i) Incentive for pump sets	Rs. 10000/Unit or 50% of the cost whichever less	Nos.	200	20.00	0	0.00

S. No.	Interventions	Approved Rate of assistance	Unit	Total Target		Achived by State	
				Phy.	Fin.	Phy.	Fin.
	(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/- meter for PVC pipes and Rs. 20/- per meter for HDPE laminated woven lay flat tubes with maximum celling of Rs. 15,000/- per farmers/beneficiary for water carrying pipe.	Mtr.	200000	100.00	100020	50.01
	Sub Total 4 (b)				120.00	0	50.01
(c)	Cropping system based trainings (four sessions i.e. one before kharif, one each during kharif and rabi crops and one after rabi harvest.)	Rs. 3500/- session, Rs. 14000/- training	Nos.	241	33.74	180	25.20
(d)	Miscellaneous expenses						
	(i) Project management team & other misc. expenses at district level			0	0.00	0	0.00
	(ii) Project management team & other misc. expenses at State level			0	0.00	0	
	Sub Total Misc. Expenses			0	0.00	0	0.00
(e)	Local initiatives (Activities to be specified supported by full details)						
	(i) Construction of Godowns	Maximum Rs 1.50 lakh or 50% of cost whichever is less	Nos.	80	120.00	72	108.00
	(ii) Reaper for SC/ST farmers above-35bhp	50% of cost or Rs 63000/- for SC/ST/Small & Marginal Farmers /Women Farmers	Nos.	20	12.60	0	0.00
	(iii) Reaper for General farmers-35 bhp	40% of cost or Rs.50000/- for other beneficiaries		63	31.50	0	0.00
	Total Local Initiatives			163	164.10	0	108.00
(f)	Other Initiatives						
	(a) Demonstration by NGOs	Rs. 9900/ha	Ha			0	0.00
	(b) Assistance for custom hiring centres	Rs. 1500/ha	Ha			0	0.00
	(c) Specialized projects						
	Sub Total Flexi Components [4 (a) to 4 (f)] 21%				1115.63	0	0.00
	Total NFSM Rice				5502.50		3243.53
	GOI Share				3301.50	0	1946.10
	State Share				2201.00	0	1297.43

Target Amount = 5502.5 (GOI-3301.5 + STATE-2201.0)
 Unspend Bal of 2017-18 = 2419.41Lakh (GOI-1451.646 + STATE-967.764)
 Allotment Received = 1122.47 Lakh (GOI-673.482 + STATE-448.988)
 Total Fund Available = 3541.88Lakh (GOI- 2125.128 + STATE- 1416.752)
 Financial Achievement = 3243.5 Lakh (GOI-1946.1+ STATE-1297.4)
 % Expenditure = 92%

NFSM-Pulses:Physical & Financial Target & Achievement of Chhattisgarh (Till Feb.,2019)

(Financial: Rs. in Lakh)

S. No	Interventions	Approved rate of assistance	Unit	Target By GOI		Achieved by State		
				Phy.	Fin.	Phy.	Fin.	
1	Demonstration on improved technologies:							
(a)	Cluster Demonstrations (of 100 ha each)							
	(i) Arhar	Rs. 9000/ha	Ha	500	45.00	500	37.5	
	(ii) Gram	Rs. 9000/ha	Ha	3964	356.76	3964	0	
	(iii) Urd	Rs. 9000/ha	Ha	2800	252.00	2800	230.0	
	(iv) Moong	Rs. 9000/ha	Ha	1500	135.00	1500	130.0	
	(v) Lentil	Rs. 9000/ha	Ha	100	9.00	100	0	
	(vi) Pea	Rs. 9000/ha	Ha	500	45.00	100	0	
	Sub Total (a)			Ha	9364	842.760	8964	397.5
(b)	Cropping System Based Demonstrations-30% of the outlay of total demonstration - (Specify cropping sequence)							
	(i) Rice-Gram	Rs. 15000/ha	Ha	2279	341.85	2279	205.10	
	(ii) Rice-pea	Rs. 15000/ha	Ha	300	45.00	300	27.00	
	(iii) Rice-moong	Rs. 15000/ha	Ha	400	60.00	400	36.00	
	(iv) Rice-urd	Rs. 15000/ha	Ha	700	105.00	700	63.00	
	Sub-Total (b)			Ha	3679	551.85	3679	331.10
(c)	Demonstration on Intercropping (Specify intercrop)							
	(i) Arhar+Soybean	Rs. 9000/ha	Ha	200	18.00	200	12.80	
	(ii) Arhar +Maize	Rs. 9000/ha	Ha	1500	135.00	1500	112.50	
	(iii) Moong/Urd+ Maize	Rs. 9000/ha	Ha	4035	363.15	4035	302.62	
	Sub-Total (c)			Ha	5735	516.15	5735	427.92
	Total Demonstration (a)+(b)+(c)				18778	1910.76	18378	1156.52
2	Assistance for Distribution & Production of Seeds (Rate of Assistance or 50% of cost whichever less)							
(a)	Distribution of certified Seeds (For varieties less than 10 year of age)							
	(i) Arhar	Rs. 5000/q	Qtl.	1300	65.00	1300	58.00	
	(ii) Moong	Rs. 5000/q	Qtl.	3493	174.65	3493	174.65	
	(iii) Urd	Rs. 5000/q	Qtl.	3623	181.15	3623	181.15	
	(iv) Gram	Rs. 5000/q	Qtl.	5200	260.00	0	0.00	
	(v) Lentil	Rs. 5000/q	Qtl.	200	10.00	0	0.00	
	(vi) Pea	Rs. 5000/q	Qtl.	1500	75.00	0	0.00	
	Sub Total for Distribution			Qtl.	15316	765.80	8416	413.80
(b)	Distribution of Seeds (For varieties more than 10 years of age) – Limited to 20 percent of total seed distribution target (Rate of Assistance or 50% of cost whichever less)							
	(i) Arhar	Rs. 2500/q or	Qtl.	800	20.00	800	20	
	(ii) Moong	Rs. 2500/q	Qtl.	1643	41.07	1643	41.075	
	(iii) Urd	Rs. 2500/q	Qtl.	2100	52.50	2100	52.5	
	(iv) Gram	Rs. 2500/q	Qtl.	2440	61.00	0	0	
	(v) Lentil	Rs. 2500/q	Qtl.	100	2.50	0	0	
	(vi) Pea	Rs. 2500/q	Qtl.	500	12.50	0	0	
	Sub Total for Distribution			Qtl.	7583	189.58	4543	113.6
	Total for Seed Distribution 15%			Qtl.	22899	955.38	12959	527.38
(c)	Production of Seeds (For varieties less than 10 year of age) (Rate of Assistance or 50% of cost whichever less)							
	(i) Arhar	Rs. 5000/q	Qtl.	1907	95.37	0	0	
	(ii) Gram	Rs. 5000/q	Qtl.	10900	545.00	0	0	
	(iii) Urd	Rs. 5000/q	Qtl.	3400	170.00	0	0	
	(iv) Moong	Rs. 5000/q	Qtl.	2300	115.00	0	0	
	(v) Letil	Rs. 5000/q	Qtl.	100	5.00	0	0	
	(vi) Pea	Rs. 5000/q	Qtl.	500	25.00	0	0	
	Sub Total for Production 15%			Qtl.	19107	955.38	0	0

S. No	Interventions	Approved rate of assistance	Unit	Target By GOI		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
	Total for Seed Items 2		Qtl.	42006	1910.75	12959	265.39
3	Plant & Soil Protection Management (Rate of Assistance or 50% of cost whichever less)						
(a)	Soil Management						
	(a) Micro-nutrients	Rs. 500/ha	Ha	66000	330.0	45196	225.98
	(b) Gypsum/80% WG Sulphur	Rs. 750/ha	Ha	2000	15.00	1000	15.00
	(c) Lime	Rs. 1000/ha	Ha	2000	20.00	100	0.80
	(d) Bio-fertilizers	Rs. 300/ha	Ha	25000	75.00	300	0.90
	Sub Total INM 3 (a) to 3 (d)		Ha	95000	440.00	46596	242.68
(b)	Plant Protection Management (IPM) (Rate of Assistance or 50% of cost whichever less)						
	(a) Distrib.of PP Chemicals	Rs. 500/ha	Ha	63073	315.36	30500	152.50
	(b) Weedicides	Rs. 500/ha	Ha	40000	200.00	20000	100.00
	Sub Total 4 (a) and 4 (b)		Ha	103073	515.36	50500	252.50
	Total Soil & Plant Protection Management 15%		Ha	198073	955.36	97096	495.18
4	Flexi Components (25% of the outlay)						
(a)	Farm Implements & Equipments						
	(i) Manual Sprayer/Knap sack spryer/Foot Oprated Sprayer for SC/ST, SMW farmers	Rs. 600/Unit or 50% of the cost whichever less	Nos.	1289	7.73	1289	7.73
	(ii) Manual Sprayer for other farmer	Rs. 500/Unit or 40 % of the cost whichever less	Nos.	25502	127.51	20000	100.00
	(iii) Power Sprayers SC/ST, SMW farmers (8-12 litres)	Rs. 3100/Unit or 50% of the cost whichever less	Nos.	300	9.30	0	0
	(iv) Power Sprayers for other farmer (8-12 litres)	Rs. 2500/Unit or 40% of the cost whichever less	Nos.	2392	59.80	0	0
	(v) Seed drills for SC/ST, SMW farmers below 20 BHP	Rs. 15000/Unit or 50% of the cost whichever less	Nos.	90	13.50	0	0
	(vi) Seed drills for other farmer below 20 BHP	Rs. 12000/Unit or 40% of the cost whichever less	Nos.	260	31.20	0	0
	(vii) Zero till multi crop planters for SC/ST, SMW farmers above 20-35 BHP	Rs. 19000/Unit or 50% of the cost whichever less	Nos.	3	0.57	0	0
	(viii) Zero till multi crop planters for other farmer above 20-35 BHP	Rs. 15000/Unit or 40% of the cost whichever less	Nos.	20	3.00	0	0
	(ix) Rotavators/Turbo Seeder for SC/ST, SMW farmers < 20 BHP	Rs. 35000/Unit or 50% of the cost whichever less	Nos.	38	13.30	0	0
	(x) Rotavators/Turbo Seeder for other farmer below 20 BHP	Rs. 28000/Unit or 40% of the cost whichever less	Nos.	269	75.320	0	0
	(xi) Multi-crop thresher for SC/ST, SMW farmers >35 BHP	Rs. 63000/Unit or 50% of the cost whichever less	Nos.	60	37.80	0	0
	(xii) Multi-crop thresher for other farmer above 35 BHP	Rs.50000/Unit or 50% of the cost whichever less	Nos.	321	160.50	0	0
	(xiii) Distribution of Power Tiller (8 BHP & above) for SC/ST, SMW farmers	50% of cost or Rs. 75,000/	Nos.	50	37.50	0	0
	(xiv) Distribution of Power Tiller (8 BHP & above)for Gen. farmers	40% of cost or Rs. 60,000/	Nos.	192	115.20	0	0
Sub Total Farm Implements 4 (a)			Nos.	30786	692.23	0	107.73
(b)	Efficient Water Application Tools						
	(a) Sprinkler sets	Rs. 10000/ha or 50% of cost whichever less	Ha.	1000	100.00	0	0
	(b) Pump sets	Rs. 10000/Unit or 50% of cost whichever less	Nos.	400	40.00	0	0

S. No	Interventions		Approved rate of assistance	Unit	Target By GOI		Achieved by State	
					Phy.	Fin.	Phy.	Fin.
	(c) Pipe for carrying water from source to the field		50% of the cost limited to Rs. 50/-per meter for HDPE pipes. maximum ceiling of Rs. 15,000/-per farmer/beneficiary for water carrying pipe	Mtr.	299996	149.99	160000	80.0
	(d) Mobile Rainguns		Rs. 15000/Unit or 50% if cost whichever less	Nos.	5	0.750	0	0
	Sub Total 4 (b)				301401	290.75	0	80.0
(c)	Cropping System Based Trainings (four sessions i.e. one before kharif and rabi seasons, one each during kharif and rabi crops)		Rs. 3500/- session, Rs. 14000/- training	Nos.	315	44.10	78	10.93
(d)	Miscellaneous expenses:							
	(a) PMT & other Misc. expenses at District level					246.50	0	30.00
	(b) PMT & other Misc. expenses at State level					21.00	0	8.50
	Sub-Total 4 d (i) to (ii)					267.50	0	38.50
(e)	Local initiatives (Activities to be specified supported by full details)							
	(a) Construction of Godowns	Maximum Rs 1.50 Lakh or 50% of the cost whichever is less		Nos.	335	502.50	215	322.5
	(b) Dal Mills	SC,ST,SF/MF/WF Maximum Rs 1.50 Lakh or 60% of the cost		Nos.	8	12.00	0	0
		for other farmer max.1.25 lakh or 50% of the cost whichever is less		Nos.	10	12.50	0	0
	(c) Reaper							
	SC, ST	Rs 63000 for SC,ST,Small & Marginal Farmers,Women and Rs.50000/Unit for other beneficiary or 50% of cost whichever is less		Nos.	17	10.71	0	0
	GEN				55	27.50	0	0
	Sub-Total Local Initiatives				425	565.20	0	322.50
(f)	Other Initiatives							
	(a) Demonstration by NGOs		Rs. 9900/-Ha	Ha.				
	(b) Assistance for custom hiring centres		Rs. 1500/-Ha	Ha.				
	(c) Marketing Support							
	(d) Specialized Projects							
	(e) Value Chain Integration							
	Sub Total other Initiatives							
	Total For Flexi Components [4 (a) to 4 (f)] 25%				332927	1592.29		0
	Total NFSM - PULSES without PMT					6369.16		0
	Total NFSM - PULSES with PMT					6636.66	1115	2738.74
	GOI Share					3821.50	669	1643.244
	State Share					2815.16		1095.500

Target Amount	= 6636.67(GOI-3982.0 + STATE-2654.67)
Unspent Bal of 2017-18	= 1774.24Lakh (GOI-1064.544+STATE-709.696)
Allotment Received	= 2277.88 Lakh (GOI-1366.73 + STATE-911.15)
Total Fund Available	= 4052.12Lakh (GOI- 2431.272+ STATE-1620.848)
Financial Achievement	= 2738.74 Lakh (GOI-1643.244+ STATE-1095.496)
% Expenditure	= 68 %

NFSM-Additional Pulses: Physical & Financial Target & Achievement of CG (Till Feb.,2019)

(Financial: Rs. in Lakh)

S. No	Interventions	Approved rate of assistance	Unit	Target Proposed by State		Achievement	
				Phy.	Fin.	Phy.	Fin.
1	Demonstrations on improved technologies:						
	(a) Cluster Demonstrations (of 100 ha each)						
	(i) Gram	Rs. 9000/ha	ha	9055	814.95	7005	264.74
	(iii) Moong	Rs.9000ha	ha	2000	180.00	900	48.54
	(ii) Urd	Rs.9000/ha	ha	2000	180.00	1250	59.35
	Sub Total (a)			13055	1174.95	9155	372.63
	(b) Demonstration on Intercropping						
	(i) Moong/Urd+ Maize	Rs.9000/ha	ha	4000	360.00	2450	131.97
	Sub Total Demonstration (a)+(b)			17055	1534.95	11605	504.60
2	(a) Assistance for Seed Distribution (For varieties less than 10 year of age)						
	(iv) Gram	Rs. 5000/q or 50% of cost whichever less	Qtl	2150	107.50	832	13.01
	(ii) Moong	Rs. 5000/q or 50% of cost whichever less	Qtl	700	35.00	0	0.00
	(iii) Urd	Rs. 5000/q or 50% of cost whichever less	Qtl	350	17.50	68	0.00
	Assistance for Seed Distribution (a)			3200	160.00	900	13.01
	(b) Assistance for Seed Distribution (For varieties more than 10 year of age)						
	(iv) Gram	Rs. 2500/q or 50% of cost whichever less	Qtl	2000	50.00	738	6.26
	(ii) Moong	Rs. 2500/q or 50% of cost whichever less	Qtl	702	17.55	0	0.00
	(iii) Urd	Rs. 2500/q or 50% of cost whichever less	Qtl	700	17.50	0	0.00
	Assistance for Seed Distribution (b)			3402	85.05	738	6.26
	Total for Seed Distribution (a+b)		Qtl	6602	245.05	1638	19.27
3	Integrated Nutrient Management (INM)						
	(a) Micro-nutrients	Rs. 500/ha or 50% of cost whichever less	ha	30000	150.00	4300	7.00
	(d) Bio-fertilizers	Rs. 300/ha or 50% of cost whichever less	ha	15000	45.00	1300	2.00
	Sub Total INM 3 (a) to 3 (d)		ha	45000	195.00	5600	9.00
4	Integrated Pest Management (IPM)						
	(a) Distrib.of PP Chemicals	Rs. 500/ha or 50% of cost whichever less	ha	30000	150.00	5234	12.00
	(b) Weedicides	Rs. 500/ha or 50% of cost whichever less	ha	15000	75.00	3100	12.00
	Sub Total 4 (a) and 4 (b)		ha	45000	225.00	8334	24.00
	Total INM & IPM (3+4)		ha	90000	420.00	13934	33.00
5	Farm Implements (Rate of Assistance or 50% of cost whichever less)						
	(a) Manual Sprayer	Rs. 600/Unit	Nos.	50000	300.00	4000	0.00
	(b) Seed drills	Rs. 15000/Unit	Nos.	180	27.00	0	0.00
	Total Farm Implements (5)			50180	327.00	4000	0.00
6	Water Saving Device (Rate of Assistance or 50% of cost whichever less)						
	(b) Pump sets	Rs. 10000/Unit	Nos.	730	73.00	0	0.00
	(c) Pipe for carrying water from source to the field	50% of the cost limited to Rs. 50/-per meter for HDPE pipes. maximum ceiling of Rs. 15,000/-per farmer/beneficiary for water carrying pipe	Mtr.	300000	150.00	24710	0.00
	Sub Total Water Saving Device (6)				223.00	24710	0.00
	Total NFSM Additional Pulses				2750.00		556.87
	GOI Share				1650.00		334.12
	STATE Share				1100.00		222.75

NFSM-Coarse Cereals: Physical & Financial Target & Achievement of Chhattisgarh (Till Feb., 2019)

(Financial: Rs. in Lakh)

S. No.	Interventions	Approved rate of assistance	Unit	Target By GOI		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
1	(a) Demonstration on improved package						
	(i) Maize	Rs. 6000/ha	ha	4794	287.64	4794	215.73
	(b) Demonstration on Intercropping	Rs. 6000/ha	ha				
	Total 1 (a) & (b) (70%)		ha	4794	287.64	4794	215.73
2	Distribution of Certified Seeds:						
	(a)Maize HYVs Seeds (less than 10 years of age)	Rs. 3000/-per qtl.	Qtl	167	5.01	167	5.01
	(b) Maize HYVs Seeds (More than 10 years of age)	Rs. 1500/-per qtl.	Qtl	332	4.98	332	4.98
	(c) Hybrid Seeds (Maize)	Rs. 10000/-per qtl.	Qtl	1133	113.26	1133	78.00
	Sub Total 2 (a) and 2 (c) (30%)		Qtl	1632	123.25	50	87.99
	Total NFSM Coarse Cereals				410.89		303.72
	GOI Share				246.54		182.32
	State Share				164.36		121.40

NFSM: Nutri-Cereals: Physical & Financial Target & Achievement of Chhattisgarh (Till Feb., 2019)

(Financial: Rs. in Lakh)

S. No	Interventions	Approved rate of assistance	Unit	Target By GOI		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
1	Cluster Front Line Demonstration by State (60:40)						
	(i) Ragi	Rs. 6000/ha	Ha	400	24.00	200	11.50
	(ii) Kodo Millet	Rs. 6000/ha	Ha	258	15.48	200	11.20
	(iii) little Millet	Rs. 6000/ha	Ha	200	12.00	100	5.00
	Sub Total		Ha	858	51.48	400	27.70
2	Distribution of Seeds (60:40)						
	*(a) Hybrid seed of nutritive variety (25% of the total seed allocation of Jowar & Bajra)						
	(i) Bajra	Rs. 10000/Qtl.	Qtl.	0	0.00	0	0.00
	(ii) Jwar	Rs. 10000/Qtl.	Qtl.	0	0.00	0	0.00
	Sub-Total 2 (a)		Qtl.	0	0.00	0	0.00
	(b) HYV Seed						
	(i) Jower (Varieties < 10 years)	Rs. 3000/Qtl.	Qtl.	300	9.00	50	1.50
	(ii)Jower (Varieties > 10 years)	Rs. 1500/Qtl.	Qtl.	200	3.00	25	0.38
	Small Millet						
	(a) Kodo Millet (Var. < 10 years)	Rs. 3000/Qtl.	Qtl.	283	8.50	27	0.81
	(b) Kodo Millet (Var. > 10 years)	Rs. 1500/Qtl.	Qtl.	199	2.99	0	0.00
	(c) little Millet (Var. < 10 years)	Rs. 3000/Qtl.	Qtl.	50	1.50	0	0.00
	(D)little Millet (Var. > 10 years)	Rs. 1500/Qtl.	Qtl.	50	0.75	0	0.00
	Sub-Total [Item 2 (b)]		Ha	1083	25.74	102	2.69
	Total for Items 2 (a) & 2 (b)			1083	25.74	102	2.69
3	Certified Seed Production of HYVs seeds by state < 10 year old varieties (60:40)						
	(i) Ragi	Rs. 3000/Qtl.	Qtl.	500	15.00	0	0.00
	(ii) Kodi Millet	Rs. 3000/Qtl.	Qtl.	358	10.74	0	0.00
	Sub Total (Item 3)		Qtl.	858	25.74	0	0.00
4	Integrated Nutrient Management (INM) (60:40)						
	(i) Micronutrient	Rs. 500/ha	Ha	2500	12.50	800	4.00

S. No	Interventions	Approved rate of assistance	Unit	Target By GOI		Achieved by State	
				Phy.	Fin.	Phy.	Fin.
	(ii) Bio-Fertilizer	Rs. 500/ha	Ha	2648	13.24	900	4.50
	Sub Total (Item 4)		Ha	5148	25.74	1700	8.50
5	Integrated Pest Management (IPM) (60:40)						
	(i) Weedicides	Rs. 500/ha	Ha	0	0.00	0	0.00
	(ii) Plant Protection Chemical & Bio-agents	Rs. 500/ha	Ha	0	0.00	0	0.00
	Sub Total for Production		Ha	0	0.00	0	0.00
	Total for INM & IPM [Items 4+5]		ha	5148	25.74	1700	8.50
6	Flexi Components						
(a)	Farm Implements & Equipments (60:40)						
	(i) Manual Sprayer for SC/ST, Women Farmer, Small and Marginal Farmers	50% of the cost or Rs. 600/unit, whichever is less	Nos.			0	0.00
	(ii) Manual Sprayer for other farmers	40% of the cost or Rs. 500/unit, whichever is less	Nos.			0	0.00
	Sub Total Item 6 (a)		Nos.	0	0.00	0	0.00
(b)	Water application tools (60:40)						
	(i) Sprinkler	50% of the cost or Rs. 10000/ha, whichever is less	Ha				
	Sub Total Item 6 (b)		Ha	0	0.00	0	0.00
(c)	Cropping System Based Training (60:40)	Rs. 14000 per training of 4 session	Nos.	65	9.10	10	0.35
(d)	Local initiatives (60:40)						
	(i) Millet mills for SC/ST, small & marginal, Women farmers	Rs. 150000/Unit or 60% of the cost whichever less		10	15.00	0	0.00
	(ii) Millet mills for other Farmer	Rs. 125000/Unit or 50% of the cost whichever less		7	8.75	0	0.00
	(iii) Event/Workshop (100%) GOI						
	(iv) Publicity						
	Sub Total Item 6 (d)						
(e)	(Distribution of Seed Minikits (HYVs) - (100% GOI)						
	(i) Ragi						
	(ii) Small Millet						
	Sub Total Item 6 (e)			0	0.00	0	0.00
	Total For Flexi Components [6 (a) to 6 (e)]			65	32.85	10	0.35
	Total NFSM - Nutri - Cereals			8012	161.55	2212	39.24
	GOI Share				102.96		23.54
	State Share				68.64		15.69

Target Amount	=161.55(GOI-96.93 + STATE-64.62)
Allotment Received	= 121.17 Lakh (GOI-72.7 + STATE-78.47)
Financial Achievement	= 39.24 Lakh (GOI-23.544+ STATE-15.696)
% Expenditure	= 32 %

Bringing Green Revolution in Eastern India (BGREI)
BGREI-Rice : Physical & Financial Target and Achievement (Till Feb., 2019)

(Rs. in Lakh)

S. No.	Components	Target		Achievement	
		Phy.	Fin.	Phy.	Fin.
A	Cluster Demonstration on Rice in different eco-system (100 ha. each)				
	(i) Direct Seeded Rice @ Rs. 9000/- per ha. (Max.)	700	63.00	700	52.30
	(i) Line Transplanting @ Rs. 9000/- per ha. (Max.)	700	63.00	700	49.40
	(iii) SRI @ Rs. 9000/- per ha. (Max.)	1400	126.00	1400	94.52
	(iv) Stress Tolerant Varieties @ Rs. 9000/- per ha. (Max.)	2100	189.00	2100	148.28
	(v) Hybrid Rice @ Rs. 9000/- per ha. (Max.)	13900	1251.00	13900	1115.70
	(vi) Cropping System Based @ Rs. 15000/- per ha. (Max)	6405	960.75	6405	804.01
	Sub Total	25205	2652.75	25205	2264.21
B	Production of Seeds (Less than 10 years varieties) Max. 2 ha. each farmer				
	(a) Hybrid Rice @ Rs. 10,000 per qtls (Farmer - 75% agency - 25%)	500	50.00	0	0.00
	(b) Certified Seeds @ Rs. 2,000 per qtl. (Max.) or farmer 75% (Promote stress tolerant varieties)	14080	281.60	17521	154.65
	Sub Total	14580	331.60	17521	154.65
C	Distribution of Seeds (Less than 10 years varieties) Max. 2 ha. each farmer				
	(a) Hybrid Rice @ Rs. 10,000 per qtls (Max.) or 50%	4632	463.20	2155	142.32
	(b) Certified Seeds @ Rs. 2,000 per qtl. (Max.) or 50%	10000	200.00	16414	152.53
	Sub Total	14632	663.20	18569	294.85
D	Nutrient Management and Soil Ameliorants (for maximum 2 ha.) other than demonstration				
	(a) Micro Nutrient Rs. 500 per ha.	48030	240.15	49111	174.17
	(b) Lime Rs. 1,000 per ha.	600	6.00	400	3.76
	(c) Bio-fertilizers Rs. 300 per ha.	27000	81.00	26764	73.83
	(d) Gypsum Rs. 750 per ha.	600	4.50	200	1.49
	Sub Total	76230	331.65	76475	253.25
E	Integrated Pest Management				
	(a) PP Chemicals & Bio Pesticides /Bio-Agent (Need based)	30056	150.28	29330	119.47
	(b) Weedicides Rs. 500 per ha.	23000	115.00	21545	86.84
	Sub Total	53056	265.28	50875	206.31
F	Assets building				
	(a) Bore-well Rs. 30,000	3000	900.00	1924	374.65
	(b) Cono-weeder for SC/ST, Small & Marginal, Women farmers & NE States 50% or Rs. 600	2800	16.80	1300	3.00
	(c) Cono-weeder for other farmers 40% or Rs. 500	10000	50.00	3600	3.00
	(d) Manual /knap sack / foot operated sprayer for SC ST, Small, Marginal, Women farmers 50% or Rs.600	3000	18.00	2300	4.56
	(e) Manual /knap sack /foot operated sprayer for other farmers 40%	2000	10.00	1450	2.56
	Asset building Sub Total	20800	994.80	10574	387.76
G	Site Specific				
	i. Construction of Check-dams	63	934.80	51	350.65
	ii. Construction of MIT	2	60.00	0	0.00
	Total Site Specific		994.80		350.65
H	Post Harvest APEX BANK	0	229.65	0	107.17
I	Cropping System based training (04 sessions) Rs. 14,000 per training (@ Rs. 3,500 per session)	474	66.32	381	39.62
J	Contingency		0.00		1.46
	Total Financial (BGREI Rice)		6530.05		4059.92

Bringing Green Revolution in Eastern India (BGREI)
BGREI-Wheat: Physical & Financial Target and Achievement (Till Feb., 2019)

(Rs. in Lakh)

S. No.	Components	Target		Achievement	
		Phy.	Fin.	Phy.	Fin.
1	Cluster Demonstration on Wheat HYV (@ Rs. 9,000/-ha.)	9211	828.99	8200	542.76
2	Production of Seed (@Rs. 1000 qtls.)	8290	82.90	1650	12.63
3	Distribution of Seed Less Than 10 Years Rs. 2000 qtls. More than 10 Year Rs 1000 qtis.	24870	248.70	6225	76.76
4	Nutrient Management and Soil Ameliorants				
i	Micro Nutrients (Rs. 500/ha.)	10580	52.90	6600	17.73
ii	Bio Fertilizer (Rs. 300/ha.)	10000	30.00	5202	8.54
	Sub Total	20580	82.90	11802	26.27
5	Integrated Pest Management				
i	PP Chemicals & Bio Pesticides / Bio-agents / IPM (Rs. 500/ha.)	9264	46.32	6624	14.91
ii	Weedicides (Rs. 500/ha.)	4000	20.00	1800	5.87
	Sub Total	13264	66.32	8424	20.78
6	Asset building -				
i	Pump Set Rs 10,000 per set	3075	307.50	50	0.00
ii	Seed Drill for SC/ST/Small marginal women Tractor Driven bellow 20 BHP (Rs. 15000 max)	5	0.75	0	0.00
iii	Seed Drill for Other Farmer Tractor Driven bellow 20 BHP (Rs. 12000 max)	10	1.20	0	0.00
iv	Seed Drill for SC/ST/Small marginal women Tractor Driven Above 20-35 BHP (Rs. 19000 max)	5	0.95	0	0.00
v	Seed Drill for Other Farmer Tractor Driven Above 20-35 BHP (Rs. 15000 max)	10	1.50	0	0.00
vi	Seed Drill for SC/ST/Small marginal women Tractor Driven Above 35 BHP (Rs. 44000 max)	5	2.20	0	0.00
vii	Seed Drill for Other Farmer Tractor Driven Above 35 BHP (Rs. 35000 max)	10	3.50	0	0.00
viii	Multi Crop Thresher for SC/ST/Small marginal women Tractor Driven bellow 20 BHP (Rs. 20000 max)	5	1.00	0	0.00
vix	Multi Crop Thresher for Other Tractor Driven bellow 20 BHP (Rs. 16000 max)	10	1.60	0	0.00
vx	Multi Crop Thresher for SC/ST/Small marginal women Tractor Driven bellow 20-35 BHP (Rs. 25000 max)	5	1.25	0	0.00
vxi	Multi Crop Thresher for Other Tractor Driven bellow 20-35 BHP (Rs. 20000 max)	10	2.00	0	0.00
vxi	Multi Crop Thresher for SC/ST/Small marginal women Tractor Driven above 35 BHP (Rs. 63000 max)	5	3.15	0	0.00
vxi	Multi Crop Thresher for Other Tractor Driven above 35 BHP (Rs. 50000 max)	10	5.00	0	0.00
	Sub Total Asset building	3165	331.60	50	0.00
7	CSBT Rs 3500 per Training (Total Rs 14000)	119	16.58	82	8.54
	Grand Total		1657.99	0	687.74

BGREI	Allocation	Expenditure	% Utilization
Total Financial (BGREI Rice)	6530.05	4059.92	62
Total Financial (BGREI Wheat)	1657.99	687.74	41
Grand Total (Rice + Wheat)	8188.04	4747.66	58

Rashtriya Krishi Vikas Yojna- Targeted Rice Fallow Area

TRFA- Pulses : Physical and Financial Target and Achievement (Till Feb., 2019)

(Rs. in Lakh)

S. No.	Interventions	Approved rate of assistance	Target		Achievement	
			Phy.	Financial	Phy.	Financial
1	Cluster Demonstration @ Rs. 2.50 lakh / village - maximum limit					
	Chick Pea	Rs. 9000/ha.	10500	945.00	10550	362.62
	Lentil		2900	261.00	2850	124.47
	Green Gram		2600	234.00	2600	96.67
	Black Gram		2800	252.00	2800	96.26
	Pea		2200	198.00	2200	79.07
	Total		21000	1890.00	21000	759.09
2	Produciton inputs @ Rs. 2.50 lakh / village - maximum limit					
a	Distribution of certified seeds (<10 year) @ 2.50 lakh/ village maximum limit					
i.	Chick Pea	Rs. 5000/- per qtls	1000	50.00	300	0.00
ii.	Lentil		100	5.00	0	0.00
iii.	Green Gram		500	25.00	0	0.00
iv.	Black Gram		500	25.00	70	0.00
v.	Field Pea		100	5.00	0	0.00
	Total		2200	110.00	370	0.00
3	Integrated Nutrient Management					
	Micro nutrients	Rs. 500/ha.	82000	410.00	52000	38.01
	Gypsum	Rs. 750/ha.	0	0.00	0	0.00
	Lime	Rs. 1000/ha.	0	0.00	0	0.00
	Bio-fertilizer	Rs. 300/ha.	100000	300.00	71500	24.90
	Total		182000	710.00	123500	62.91
	PP Chemicals incl. bio-agents	Rs. 500/ha.	40000	200.00	25500	0.00
	Sub Total		222000	910.00	149000	62.91
4	Water Saving Devices					
	Sprinklers /	@ Rs. 10,000/ ha.	2000	200.00	150	0.00
	Water Carrying Pipes #	@ Rs. 50/- per meter for HDPE pipe Rs.35/- per meter for PVC and Rs. 20/- per meter for HDPE laminated woven lay flat tubes	1000	0.50	110	0.06
	Sub Total		3000	200.50	260	0.06
5	Farm Machinery (Rate of Assistance or 50% of the cost whichever less)					
	Manual Sprayer	Rs. 600/unit	5000	30.00	2800	4.20
	Power Sprayer	Rs. 3000/unit	200	6.00	40	0.00
	Seed Drills	Rs. 15000/unit	50	7.50	0	0.00
	Multi Crop Planter	Rs. 15000/unit	0	0.00	0	0.00
	Power Weeder	Rs. 15000/unit	0	0.00	0	0.00
	Zero till multi crop planter	Rs. 15000/unit	10	1.50	0	0.00
	Rotavators/Turbo Seeder	Rs. 35000/unit	10	3.50	0	0.00
	Multy Crop Thresher	Rs. 63000/unit	10	4.00	0	0.00
	Total Mechanization		5280	52.50	2840	4.20
6	CSBT (4 sessions)	Rs. 14000/- per training of 4 season	90	12.60	45	0.70
	Total NFSM-Pulses			3175.60		826.96

TRFA- Oilseeds: Physical and Financial Target and Achievement (Till Feb., 2018-19)

(Rs. in Lakh)

S. No.	Interventions	Pattern of assistance	Target		Achievement	
			Phy.	Fin.	Phy.	Fin.
1	Cluster Demonstration					
	Mustard	Rs. 3000/ha.	2150	64.50	2567	26.53
	Linseed		350	10.50	1050	19.53
	Safflower		450	13.50	1144	8.73
	Sesame		500	15.00	1150	7.05
	Sunflower	Rs. 4000/ha.	3800	152.00	3100	49.47
	Groundnut	Rs. 10000/ha.	3095	309.50	2495	74.77
	Total		10345	565.00	11506	186.09
2	Production Input					
a	Integrated Nutrient Management					
	i) Micro Nutrients	Rs. 500/ ha.	30000	150.00	19750	0.00
	ii) Bio-Fertilizer	Rs. 500/ ha.	30000	150.00	23750	0.00
	Total INM		60000	300.00	43500	0.00
	iii) Bio-Pesticides	Rs. 500/ ha.	10000	50.00	6500	0.00
B	Training of Farmers	Rs. 24000/- Training	50	12.00	22	0.00
3	Project Management Expenses 3%	-	0	0.00	0	0.00
	Grand Total			927.00		186.09

TRFA	Allocation	Expenditure	% Utilization
Total Financial (TRFA-Pulses)	3175.60	826.96	26
Total Financial (TRFA-Oilseeds)	927.00	186.09	20
Grand Total (Pulses + Oilseeds)	4102.60	1013.05	25

AGENCY-WISE SEED MINIKIT DISTRIBUTION OF CEREALS, PULSES, OILSEEDS, FIBRES & FODDER

CERTIFIED/QUALITY SEEDS FOR RABI 2018 -19 (05.03.2019)

(Quantity in Quintals)

S. No	Crop	Variety	Target Rabi 2018-19	Distribution								
				SSC	DOA	Other State Agency SAU+Govt . Farm)	NSC	KRIB HO	NAFED/HIL	NSC	PVT	Total
1	Wheat	Lok-1	10430	14836							1500	16336
		C-306		188								188
		MP-1203	1100	748								748
		MP-1202	505	2911								2911
		MP (JW)3173	565	179								179
		HD-2932 (Pusa Wheat 111)	1835	1298								1298
		HD-2894 (Pusa Wheat 109)	1460	4000								4000
		HD-2189		306								306
		HD-2967		470								470
		GW-366	16955	20042							7676	27718
		GW-322	8080	8033							1200	9233
		Raj-4238	570									0
		GW-273	14145	9605							480	10085
		DL-803-3 (Kanchan)	2440								280	280
		HI-1544 (Purna)	9230	8935							290	9225
		HI1531(Harshita)	1735	400								400
		HI-8759		54								54
		HI-8713		430								430
		Raj-4079		94								94
		WH-1105	555									0
		WH-1025	855	144								144
		WH-147									118	118
		HW-2004 (Amar)		94								94
		Sujata	4685	60							150	210
		Ratan (CG-5016)	4805	3246			10				350	3606
				Total	79950	76073	0	10	0	0	0	0
2	Maize	Others (Hybrid)	9290	6006							3478	9484
		Total	9290	6006	0	0	0	0	0	0	3478	9484
3	Gram	JG-74	6775	940							780	1720
		Vaibhav	4165	435							225	660
		JAKI-9218	67500	32572							4517	37089
		Digvijay	3805	520								520
		Vijay		10								10
		Vishal	2970	132							210	342
		JG-63	2250	810								810
		GJG-3								572		572
		JG-11	3123									0
		JG-12		144								144
		JG-130	1705	655								655
		JG-6	175	25								25
		JG-16	1062	265								265
		Ujjwal (IPCK 2004-29)	265									0
		Subhra(IPCK-2002-29)	830									0
		RVG -2001	175	2389								2389
		RVG -202		242					880			1122
		JG-14	2705	1216			700		1200			3116

S. No	Crop	Variety	Target Rabi 2018-19	Distribution									
				SSC	DOA	Other State Agency SAU+Govt . Farm)	NSC	KRIB HO	NAFED/HIL	NSC	PVT	Total	
		JG-226	780	3070								3070	
		Total	98285	43425	0	0	700	0	2080	572	5732	52509	
4	Lentil	Pant Lentil-8	730	497								497	
		IPL-316	615	7		4	684		796	105	95	1691	
		KLS-216	490									0	
		Shekhar Masoor-2 (KLB-303)	865									0	
		Total	2700	504	0	4	684	0	796	105	95	2188	
5	Pea	Ambika	770									0	
		Arkil	600	20							198	218	
		Aman (IPF-5-9)	395	629						280	63	972	
		IPF-4-9	320	6								6	
		Shubhra	755									0	
		Prakash (IPFD1-10)	2020									0	
		Pant Pea-42	405									0	
		Pant Pea -13	280	10								10	
		Pant Pea -14	345									0	
		Vikas	1320	80								80	
		Paras	2790	129								129	
		Total	10000	874	0	0	0	0	0	280	261	1415	
6	Mung	IPM-02-3	405	69						100		169	
		HUM-1		120								120	
		HUM-16	855	80								80	
		HUM-12	535	292							189	481	
		Pariy Moong	445	50								50	
		Total	2240	611	0	0	0	0	0	100	189	900	
7	Urd	Azad Urd-3	672	282							58	340	
		Mash -479	489	888								888	
		PU-31	899	55						80		135	
		Total	2060	1225	0	0	0	0	0	80	58	1363	
8	Lathyrus	Pratik	4475	217								217	
		Ratan	500									0	
		Mahatiwara	5025	350								350	
		Total	10000	567	0	0	0	0	0	0	0	567	
10	Arhar	Asha										0	
		Total	0									0	
10	Mustard	CG Sarson	1152	202		2						204	
		Pusa Jaikishan		31									31
		Pusa Bold										150	150
		Pusa Mustard-30					800					800	
		NRCHB-101		90			400		100			590	
		RH-0406					80					80	
		Pusa Mustard-25 (NPJ-112)	1173	105									105
		Pusa Vijay	1044	60									60
		Pusa Mustard-24	631	30									30
Total	4000	518	0	2	1280	0	100	0	150	2050			
11	Torla	Uttara (PT-2002-25)	600	340								340	
		Total	600	340	0	0	0	0	0	0	0	340	
12	Groundnut	Kadiri-6	5425	780							123	903	
		ICGV-91114					2000					2000	
		Dharani							220			220	
		Kadiri-7	4910	16								16	

S. No	Crop	Variety	Target Rabi 2018-19	Distribution								
				SSC	DOA	Other State Agency SAU+Govt . Farm)	NSC	KRIB HO	NAFED/HIL	NSC	PVT	Total
		Kadiri-9	1225	413					1100			1513
		Total	11560	1209	0	0	2000	0	1320	0	123	4652
13	Linseed	Shival (JLS-67)	1109									0
		Indira Alsi-32	1101	63								63
		RLC-92	1110	22							19	41
		Dipika	1080	4								4
		Kartika	1320	90								90
		Total	5720	179	0	0	0	0	0	0	19	198
14	Safflower	JSI-7	120									0
		JSF-1		23								23
		AKS-207	90	95							34	129
		PBNS-40	145	30			20					50
		PBNS-12	58									0
		JSF-99	92									0
Total	505	148	0	0	20	0	0	0	0	34	202	
15	Sunflower	Hybrid	400	285							10	295
		Total	400	285	0	0	0	0	0	0	10	295
16	Til	GT-3	65	15							10	25
		Total	65	15	0	0	0	0	0	0	10	25
17	Summer Paddy	MTU-1010									5753	5753
		Total	0	0	0	0	0	0	0	0	5753	5753
		Grand Total	237375	131979	0	16	4684	0	4296	1137	27956	170068
