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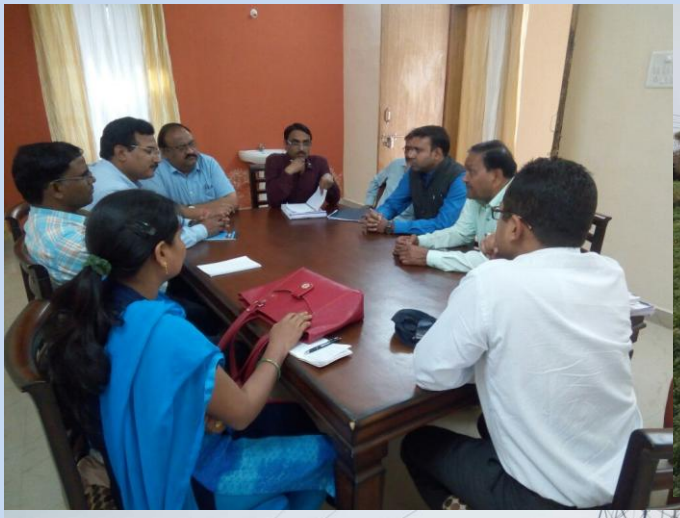
NATIONAL FOOD SECURITY MISSION

NATIONAL LEVEL MONITORING (NLMT) REPORT




STATE-CHHATTISGARH NLMT-RABI : 2017-18

सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE & FARMERS WELFARE

(DEPARTMENT OF AGRICULTURE, COOPERATION& FARMERS WELFARE)

DIRECTORATE OF PULSES DEVELOPMENT

BHOPAL-462004 (M.P.)

(e-mail: dpd.mp@nic.in,Web: dpd.gov.in)

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Annexures

ABBREVIATIONS

1. AICRP-All India Coordinated Research Project
2. AES – Agro-Eco System
3. APC – Agriculture Production Commissioner
4. ATMA-Agriculture Technology Management Agency
5. BGREI- Bringing Green Revolution to Eastern India
6. BLB-Bacterial Leaf Blight
7. CSBD-Cropping System Based Demonstration
8. CDDs- Crop Development Directorates
9. CIAE-Central Institute of Agriculture Engineering
10. CIPHET-Central Institute of Post-Harvest Engineering and Technology
11. CHCs-Custom Hiring Centre
12. CSBD-Centre for Small Business Development
13. DFSMEC-District Food Security Mission Executive Committee
14. DSR- Direct Seeded Rice
15. FIGs- Farmers Interest Group
16. FPOs-Farmer-Producer Organization
17. GOI- Government of India
18. GPS- Global Positioning System
19. HYV-High Yielding Varieties
20. ICAR-Indian Council of Agricultural Research
21. IGKVV- Indira Gandhi KrishiVishvaVidyalaya
22. IPM-Integrated Pest Management
23. KVK- KrishiVigyan Kendra
24. MIDH-Mission for Integrated Development of Horticulture
25. MULLaRP- Mungbean Urdbean Lentil Lathyrus Rajmash & Pea
26. NRM- Natural Resource Management
27. NMAET - National Mission on Agricultural Extension & Technology
28. NFSM-National Food Security Mission
29. NFSMEC-National Food Security Mission Executive Committee
30. NGOs-Non Government Organization
31. NLMT-National Level Monitoring Team
32. NMOOP –National Mission on Oilseed &Oilpalm
33. NMSA- National Mission for Sustainable Agriculture
34. PACS-Primary Agriculture Cooperative Societies
35. PPVFRA- Protection of Varieties and Farmer's Rights Acts

36. PRIs- Panchayati Rajya Institutions
37. RCT-Resource Conservation Technology
38. RAEOs- Rural Agriculture Extension Officer
39. SAMETI- State Agriculture Management And Extension Training Institute
40. SAUs-State Agriculture University
41. SHGs- Self Help Group
42. SDA- State Department of Agriculture
43. SFSMEC-State Food Security Mission Executive Committee
44. SRI-System of Rice Intensification
45. SSC- State Seed Corporation
46. TA – Technical Assistant
47. TOT-Transfer of Technology

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 in Chhattisgarh likely NFSM *(NFSM-Rice, Pulses and Coarse Cereals)*, NMOOP, BGREI, NMSA, RKVY, PKVY, PMKSY, NMAET (SMAM, SMSP & Extension Reforms/ATMA), PMFBY, SHC etc. The major crop development interventions during 2017-18 have been through NFSM, NMOOP, BGREI and RKVY. To effectively monitor the implementation of these interventions at the field level, the GOI has constituted National Monitoring Team (NLMT) under the National Food Security Mission. The NLMT comprises of the Director, Crops Development Directorates (Directorate of Pulses Development) as Convener/Team Leader, 03 Principal/Sr. Scientists as Subject Matter Specialist representing ICAR/SAUs and State Mission Director, NFSM/Nodal Officer.

The Terms of Reference (TOR) of the NLMT suggest mandatory monitoring of the programme implementation at least once in a crop season viz. Kharif, Rabi & Spring/Summer; conducting in-depth inspection of the executed activities in consonance to Mission's mandate vis-a-vis Approved Action Plan and to study the "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, and providing analytical report on observations/recommendations for further necessary corrections at the level of state stake-holders for better implementation of the Mission and desired mandated outcome.

The Team visited the state of Chhattisgarh from 19th-23rd February, 2018. The composition of the central monitoring team was broad based and included the experts from ICAR/SAUs. The Team interacted with a numbers/beneficiary and non-beneficiary farmers individually/ in groups/through Goshties and also inspection of demonstration trials/beneficiaries. The head/Scientists, KVKs of the concerned districts also accompanied the team. The report has tried to capture the impact of NFSM XIIth five year plan in comparison to XIth plan.

I am thankful to the Additional Chief Secretary/ APC, Govt. of CG, Secretary (Agri.) & Director (Agri.)/Director (SAMETI), Govt. of CG for facilitating the monitoring/visit and the Vice Chancellor IGKVV, Raipur for nominating experts/scientists to represent the NLMT.

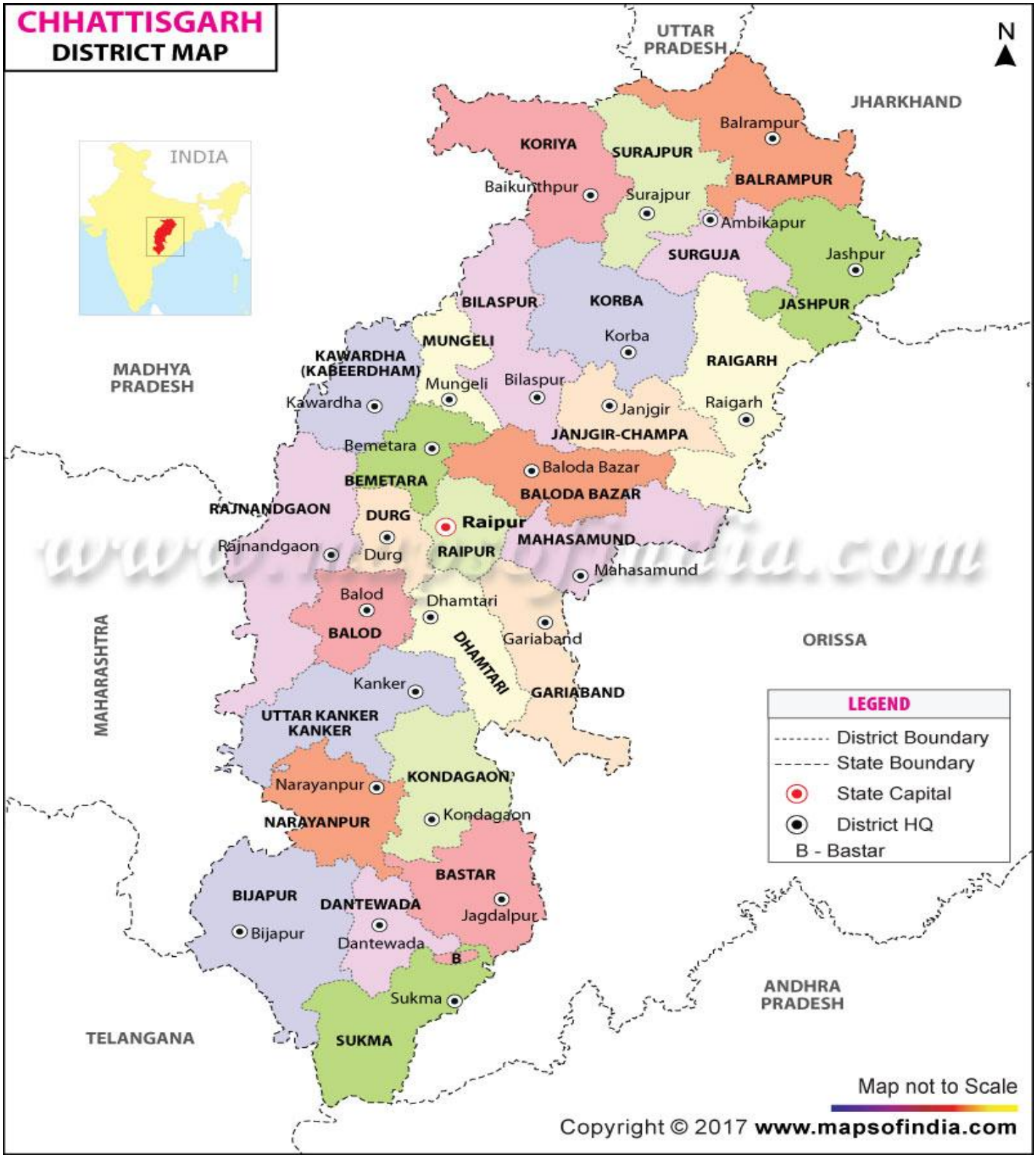
I also acknowledge the leadership of Assistant Director Dr. A. K. Shivhare in leading the team and in bringing out the report publication in it's present form.

Bhopal (M.P.)
23th April, 2018

(A.K.Tiwari)
Director

AGRO-CLIMATIC ZONE OF CHHATTISGARH

DISTRICT MAP OF CHHATTISGARH



EXECUTIVE SUMMARY

REPORT OF NATIONAL MONITORING TEAM (NLMT) ON IMPLEMENTATION OF NATIONAL FOOD SECURITY MISSION (PULSES AND COARSE CEREALS): CHHATTISGARH - RABI, 2017-18

- Of the total geographical area of 137.90 Lha, 65.25 Lha is the cultivable area in Chhattisgarh. The Normal area during Kharif and Rabi is 47.75 Lha and 17.50 Lha with cropping intensity of 133 per cent. The double cropped area is about 10.47 Lha with 31% area under irrigation (Net Irrigated Area- 14.99 Lha), 70% of the total cultivable area is under rainfed.
- In CG, the NFSM-programme is under implementation since 2007-08 (XI^{th} Plan) covering Paddy (13 districts); Pulses (27 districts); Coarse Cereals (09 districts), *PMT exists in 27 districts.*
- Reports of the NLMT visits since 2014-15 are available on the official website of the Directorate of Pulses Development (dpd.gov.in). The ATR on the recommendations of previous NLMT have been received. The State's Mission Cell is active in terms of documentation, furnishing of analytical report, monitoring of the NFSM programme at district level and also in providing the feedback on Success stories/Impact analysis etc.
- Major crops of the States during kharif are Paddy, Pigeonpea. Soybean, Niger, Groundnut, Maize, Mung, Urd and Kulthi. Major rabi crops are Gram, Wheat, Mustard, Safflower, Lathyrus, Field Pea, Lentil and Linseed. of the total All India Niger area of 2.50 lakh ha, the CG State's area is 0.64 lakh ha.
- Wheat is a major rabi cereal crop occupying 12% of the total rabi area. This year, wheat has been planted in 1.65 lakh ha which is 59 % higher against the normal wheat area of 1.04 lakh ha. The rabi pulses has been planted in 7.81 lakh ha which is 19 % higher against the normal rabi pulse area of 6.57 lakh ha. Gram, the major rabi crop and as well as pulse of the state has been planted in an area of 3.43 lakh ha, which is > 23 % of total rabi area of 14.76 lakh hectares.
- The total seasonal rainfall during the current SW monsoon (01.06.2017 to 30.09.2017) was 1018 mm which is 10% less than the state's normal rainfall of 1128 mm. 03 districts received excess, 5 normal and 09 received deficit rainfall. The long dry spell during critical crop growth period of paddy crop i.e. month of July and August led to crop damage due to low soil moisture.
- During the agriculture year under report, the Kharif and Rabi crops were cultivated in 52.21 Lha & 14.76 Lha Area. The State's performance under Area & Production during 2017-18 is indicated below.

Table 1. Area, Production & Productivity of Kharif & Rabi Crops : 2017-18

(A-lakh ha, P-lakh tons, Y- kg/ha)

States	Chhattisgarh			All India		
	A	P	Y	A	P	Y
A. Cereals						
Paddy	37.92	69.11	1823	429.5	1110.08	2585
Wheat	0.88	1.22	1386	300.48	971.07	3232
*Coarse Cereals	2.35	3.12	1328	237.79	454.23	1910
Total Cereals	**41.15**	**73.45**	1785	**967.77**	**2535.38**	2620
CC incl. Jowar, Bajra, Maize, Ragi, S.Millet, Barley						
B. Pulses						
Tur	0.9	0.56	622	44.29	40.24	909
Gram	2.62	2.53	966	104.25	110.98	1065
Urad	1.03	0.32	311	50.26	32.29	642
Moong	0.22	0.07	318	38.18	17.36	455
Other Pulses	2.96	1.85	625	51.33	38.61	625
Total Pulses	7.73	5.33	690	288.31	239.48	831
Total Foodgrains	**48.89**	**78.78**	1611	**1256.08**	**2774.85**	2209
C. Oilseeds						
Soybean	1.15	0.86	748	104.47	113.9	1090
Niger	0.55	0.11	200	2.25	0.74	329
R & M	0.47	0.24	511	58.54	75.4	1288
Groundnut	0.32	0.3	938	49.08	82.17	1674
Other Oilseeds	0.54	0.17	315	31.04	26.61	857
Other Oilseeds incl. Castor, Til, Sunflower, Safflower, Linseed						
Total Oilseeds	**3.03**	**1.68**	554	**245.38**	**298.82**	**1261**
D. Commercial Crops						
Sugarcane	0.3	12.47	41567	48.12	3532.26	73405
Cotton *				124.34	339.15	2728
Jute & Mesta**	0.01	0.02	2000	7.57	105.05	13877

Source: DES, Ministry of Agri. IInd Adv. Est. 2017-18

*Cotton Production- * Lakh bales of 170 kgs each; Jute & Mesta Production- ** Lakh bales of 180 kgs each*

MAJOR OBSERVATIONS

- The overall crop scenario in the state was very good. However some incidence of insect-pest and disease was noticed throughout the visit in different districts like wilt, rootrot, heliothis and infestation of weeds.
- This year, about 50,000 ha summer rice area has been diverted to pulses due to less rainfall and non-release of water from dams (Gangrel or Madamsilli, Dudhawa, Sondur, Gariyaband).
- 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.
  - 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.
  - 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.

    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.
- Pulses Seed Minikits under NFSM Gram, Urdbean and Mungbean, totaling to 31875nos. (Minikit size: *Gram @ 16 kg, Urd & Mung @ 4 kg each*) were demonstrated. Similarly Oilseed Minikit under NMOOP were also made available to the State during rabi- summer 2017-18. A total of 92500 nos. minikits were demonstrated.
- In RKVY –TARFA Pulses Seed Minikits Gram, and Lentil, totaling to 19783nos. (Minikit size: *Gram @ 16 kg, & Lentil @ 8 kg each*) were demonstrated. Similarly under TARFA -Oilseed Minikit Mustard & Groundnut (Minikit size: *Mustard @ 2kg, & Groundnut @ 20 kg each*) were also made available to the State during rabi- summer 2017-18. A total of 7000 nos. minikits were demonstrated

- *NFSM-Seed-hub programme* (2016-17 to 2018-19) is being implemented at 6 KVKs namely Bhatapara, Sarguja, Ranjnandgaon, Kawardha, Kanker & Janjgir-champa.
- Against a targets of 2950 q of seed production during 2016-17 under NFSM Seed-hub, production is 1954.04 q for all pulses and for 2017-18 target is 5625q against this tentative production is 1636.1 q.

ACTIONABLE POINTS

- 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 implantation of various component and impact of the programme need to be documented.
- The NLMT recommends to introspect the criteria of deciding input cafeteria. Even today it is not based on soil test recommendations and not decentralised 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. This is important to ascertain quality technology demonstrations under the programme.
- The team strongly recommends compliance of full package of practices, where all inputs are used with mandatory planting by line sowing.
- The input cafeteria should be soil test based and be de-centralized at the district level. Timely supply of quality inputs at the time of planting of crops laying out of demonstrated may be ensured.
- Expansion of sole maize cultivation during spring/summer is the result of double crop area expansion programme of the state government. However, the department should introduce /demonstrate the inter-cropping 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.
- Cluster demonstrations area may be reduced to a maximum of 5 to 10 hectares from existing 100 hectares thereby increasing technology transfer to large representative areas with quality demonstration. The field extension staff has appraised that such a big cluster is not practical for pulse crops of Mung, Urd, Lentil and Tur except the major crops of region like Soybean, Gram, Wheat.
- 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 IGKVV, 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 it's Laboratory for making a sustainable production and economic viable.

- The Director Extension IGKVV, CG/Director ATARI may provide recommendations to the State of Chhattisgarh with regard to performance of Kharif/rabi oilseeds & pulse varieties, package of practices demonstrated in the FLDs over the control. This should be year on year basis. Such feedback was not found, while interactions with the district.
- 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.
- Saur Sujala Yojna (Solar energy) at village –Padkidih Distriuct Bemetara 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.
- The RCT beneficiaries with > 10,000/- per unit financial assistance under NFSM during 10 years of the NFSM programme (2007-08 to 2016-17) may be documented for wider publicity, dove-tailing with the CHCs to enable the farmers avail the custom hiring services of implements. This will mutually benefit the owner as well as the other farmers (income generation and increase in mechanization).
- 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.
- 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.
- 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 districts (DDAs) may enter into MoU with the designated NFSM-Seed-hub Centres namely ICAR/AICRPs, KVKs for the lifting of the quantities of the certified seeds produced under NFSM. It is important both for sustainability of the seed-hubs and ensuring the availability of the

quality seeds/varieties to achieve the targeted cluster demonstrations for effective technology transfer/sustainable production and improvement of SRR/VRR..

- The farmers of Kawardh district are growing sugarcane in a large area. The increasing number of Tube well had deflated the water table in the district. The conventional paddy field is also being used for sugarcane cultivation in the district. The surplus production beyond the Sugar factory demand has compelled the farmers to sell their excess produce to Jaggery producers at Rs. 130/- per quintal loss (the support price of sugarcane is 255/- + 55/- bonus = 310/ qtls). The unsold sugarcane is being purchased @ Rs. 180-190 / qtls by jaggery units.
- In Bemetra, the most appreciable efforts of District Agriculture Department to benefit farmers under PMFBY during Kharif 2016, paid compensation of Rs 62.39 crores to 41603 farmers. During Kharif, 2017, estimated claim Rs. 111.22 crores for paddy to 47931 farmers.
- Shri Mohit Ram Sahu awarded with cash Rs.25000/- for his excellent work in district. He has adopted very good IFS model, there is need to replicate such model across the state.

CHHATTISHGARH: NATIONAL LEVEL MONITORING TEAM REPORT (RABI–2017-18) TO REVIEW THE IMPLEMENTATION OF NATIONAL FOOD SECURITY MISSION (RICE, PULSES AND COARSE CEREALS)

1. 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 During 12th Plan, the NFSM with the other four Missions, viz. NMAET, NMSA, NMOOP & MIDH is continued. The pattern of Central assistance under NFSM has been 100 per cent up-till 2014-15.

1.2.1 The Twelfth Plan NFSM (2012-13 to 2016-17), revamped from 2014-15 and is under implementation with five components *viz.* i) NFSM- Rice, ii) NFSM-Wheat, iii) NFSM-Pulses, iv) NFSM-Coarse Cereals (millets) and v) NFSM-Commercial Crops (Jute, Cotton, Sugarcane).

1.3 A target of an additional production of 25 million tonnes of food grains i.e. from 259.29 MT to 284.29 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). The final estimate records a total food grains production of 275.68 MT comprising wheat (98.38 MT) Rice (110.15), Pulses (22.95MT) and Coarse Cereals (44.19 MT). An Additional increase of 4.85, 3.50, 5.86 and 0.979 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 and rice was 23 kg (3177 kg to 3200 kg/ha) and 103 kg/ha (2393 kg to 2496kg/ha).

1.3.1 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.

1.3.2 A total Share of Rs. 2604.45 Crores (including commercial crops) with a central share-Rs.1648.16 and state share-Rs. 956.29 crores has been approved during 2017-18. For pulses Rs. 1638.06 crores (central – 1016.09 + state-621.97 crores); for rice Rs. 497.86 crores (central-328.36+ state-169.50 crores); for wheat Rs. 196.47 crores (central- 123.87+ state- 72.60) crores, coarse cereals 236.44 crores (central- 156.77+ state- 79.67 crores), sugarcane Rs. 11.55 crores (central- 6.93+ state- 4.62 crores), Cotton Rs. 12.49 (central- 7.74+ state- 4.75 crores), and NFSM-Jute/Mesta Rs. 12.52 (central- 8.90+ state- 3.62 crores).

1.3.3 The total NFSM allocation during 2017-18 for Chhattisgarh is 135.05 crores with a central share of Rs. 81.03 and state's share of Rs. 54.02 crores. For NFSM-Pulses the total share is Rs.52.67 crores (Central Rs. 31.60 + State- Rs. 21.08 crores); for Additional Pulses Rs. 25.75 crores (Central Rs.15.45 + State- Rs.10.30 crores); for NFSM- Rice Rs.53.76 crores (Central- Rs. 32.26 + State- Rs. 21.50 crores), for NFSM-Coarse Cereals Rs. 2.88 crores (Central- Rs. 1.73 + State's- Rs. 1.15 Crores).

1.4 The basic strategy of the Mission is to focus on low productivity high potential districts, promote and extend improved technology package, implementation of cropping system centric interventions on technological package, 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, Resource Conservation Technology (RCT) tools, irrigation machineries/MIS, trainings and undertaking local initiatives to the tune of 9% of total budgetary allocation to improve productivity.

1.4.1 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).

1.4.2 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.

1.4.3 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: 2017-18

Commodities	All India		Chhattisgarh (No. of districts)
	No. of States	No. of District	
NFSM-Pulse (All Districts)	29	638	27
NFSM- RICE • 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
NFSM- Coarse cereals *(maize, small millet, pearl millet etc.)* (districts covering 70% of total state's area)	28	265	09

3. MONITORING MECHANISM /MISSION STRUCTURE

Monitoring	Body	Composition	Review Meeting / Visit
National Level	i) General Council (GC)	Minister of Agriculture - Chairman Mission Director (NFSM) - Member Secretary	Twice a year
	ii) NFSM- Executive Committee (NFSMEC)	Secretary (AC & FW)- Chairman Secretary (DARE) & DG (ICAR) Secretary (MoWR) / (Deptt. of Fertilizer) / (MoPR)/ (MoTA)/(Deptt. of Social Justice & / Empowerment) / (MoW&CD) Adviser (Agriculture), NITI AYOG Agriculture Commissioner Five Experts - Member Mission Director - Member Secretary	Quarterly
	iii) National Level Monitoring Team (NLMT)	Director CDDs- Co-ordinator Scientist SAUs/JDA –Member	Twice a year (Kharif + Rabi)
State Level	State Food Security Mission Executive Committee (SFSMEC) Monitoring Committee	Chief Secretary – Chairman State Mission Director - Member Secretary State Mission Director – Chairman SAU – Member DPD/CDD Govt. of India – Member SSC – Member State Certification – Member Lead Bank – Member NABARD – Member IISS/CIAE/NISR/DWR - Member	Twice a year (Kharif + Rabi)
District Level	District Food Security Mission Executive Committee (DFSMEC)	District Collector/CEO-Chairman Jila Parishad DDA/DAO- Member Secretary	Quarterly

4. NLMT COMPOSITION

S. No.	Organization	Names and Designation
i.	Govt. of India, Min. of Agri. & FW (DAC&FW), Directorate of Pulses Development, Bhopal. M. No. 9424444318 Email- dpd.mp@nic.in	Dr. A.K. Shivhare Assistant Director -Convenor/Team leader
ii.	Department of Entomology, College of Agriculture, IGKVV, Raipur. Cell No.9424224206, E-mail sanjayigkv@yahoo.in	Dr. Sanjay Sharma , Principal Scientist, (Rice -Entomology) - Member
iii.	Department of Plant Breeding & Genetics, College of Agriculture, IGKVV, Raipur. Cell No. 94063 00769 E-mail: rn.raipur@gmail.com	Dr. R. N. Sharma Principal Scientist (AICRP-Chickpea) - Member
iv.	SG CARS, College of Agriculture, Jagdalpur. Cell No. 9826113879 E-mail: scientist_agrosgcars@rediffmail.com	Dr. Ashwini Thakur, Scientist, (AICRP-Small Millets) - Member
v.	SAMETI, Govt. of CG, Krishik Nagar, Labhandi Raipur-492012 (CG) Cell No. 0771-2443982 E-mail-directorsameticg@gmail.com	Mission Director (NFSM) Govt. of CG - Member

5. STATE PROFILE

Particulars	STATUS
Population(Crore)	2.56 (Male- 1.29, Female-1.28)
Population Growth (%)	22.61 – 2011
Forest Village	74
Revenue Districts(Nos.)	27
Block/ Janpad Panchayat (Nos.)	146
Village Panchayat (Nos.)	10971
Tehsil (Nos.)	150
Total Village (Nos.)	20273
KrishiUpajMandi(Nos.)	73
Annual Rainfall (Ave.)	1296 mm (up to August 2017 - 823 mm)

Land Use Pattern (Area : lakh ha)		**Agricultural land use (Area -lakh ha)**	
Geographical Area	138.00	Net sown area	47.75
Cultivable area	57.28 (41.53%)	Double Cropped Area	10.47
Forest area	63.15 (45.80%)	Gross cropped area	65.25
Land under non-agricultural use	10.30 (7.46%)	*Kharif* Area	47.75
Permanent pastures	5.25 (3.80%)	*Rabi* Area	17.50
Cultivable wasteland	3.51(2.55%)	Cropping Intensity	137%
Barren and uncultivable land	8.88 (6.43%)		
Current fallows	2.67 (1.93%)		

Irrigation (Area: lakh ha)		**Source of Irrigation (Area : lakh ha)**	
Net irrigated area	14.68	Canals	9.03 (61.55%)
Gross irrigated area	17.87	Tanks	0.43 (2.93%)
Rainfed area (to Cultivable Area)	39.41 (69%)	Open wells	0.20 (1.37%)
		Bore wells/ Tube Wells	4.28 (29.17%)
		Other Sources	0.73 (4.98%)
		Total Irrigated Area	**14.67**

Soil Type		**(Area - lakh ha)**	
Alluvial Soil (Kachhar)	1.38 (2.7%)	Inceptisols (Matasi)	13.54 (26.9%)
Entisols (Bhata)	10.02 (20%)	Vertisols (Kanhar)	11.43 (22.8%)
Alfisols (Dorsa)	13.82 (27 %)	**Land Classif. Total**	**50.19**

Major Agricultural crops	
Kharif	Paddy, Pigeonpea. Soyabean, Maize, Mung, Urd, Kulthi
Rabi	Wheat, Gram, Mustard, Safflower, Lathyrus, Field Pea, Lentil, Linseed, Groundnut
Development Programme CSS / CS	
NFSM	NFSM-Paddy (13) ; Pulses (27); Coarse Cereals (09); PMT District- 27
NMOOP	Mini Mission I- (Oilseeds) Mini Mission III- (TBOs)

Note: Farm Families-37.46 lakh (80% small & Marginal farmers);> 57 % soil is medium to light Soil (i.e. Entisols, Alfisols & Inceptisols).

6. Crop Scenario: Plan analysis (XIth-XIIth Plan)

A. Kharif Crops

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

S. No.	Crops	Districts/ State	XIth Plan (2007-08 to 2011-12)			XIIth Plan (2012-13 to 2016-17)			Increase/decrease over XIth Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	**Cereals**										
1	Paddy	CG	37.27	52.23	1402	38.08	66.97	1759	2.2	28.2	25
		All India	**392.15**	**834.02**	**2127**	**395.39**	**925.94**	**2342**	**0.8**	**11.0**	**10**
2	Jowar	CG	0.05	0.06	1180	0.05	0.04	771	-2.7	-36.4	-35
		All India	**30.65**	**33.33**	**1087**	**22.34**	**22.63**	**1013**	**-27.1**	**-32.1**	**-7**
3	Bajra	CG	0.0005	0.0003	500	0.001	0.0005	467	100	87	-7
		All India	**91.23**	**92.02**	**1009**	**74.03**	**89.95**	**1215**	**-18.9**	**-2.3**	**20**
4	Maize	CG	1.03	1.61	1567	1.15	2.37	2059	11.6	46.7	31
		All India	**71.48**	**149.29**	**2089**	**74.27**	**170.79**	**2300**	**3.9**	**14.4**	**10**
5	Small millet	CG	1.65	0.35	212	1.11	0.25	222	-32.6	-29.6	4
		All India	**8.75**	**4.54**	**519**	**6.59**	**4.17**	**633**	**-24.7**	**-8.2**	**22**
6	*Kha. CC	CG	2.82	2.05	**727**	2.20	2.67	1068	-21.9	30.5	47
		All India	**215.11**	**299.58**	**1393**	**188.60**	**305.19**	**1623**	**-12.3**	**1.9**	**17**
7	Total Cereals	CG	40.08	54.28	**1354**	40.28	69.64	1729	0.5	28.3	28
		All India	**607.26**	**1133.61**	**1867**	**583.99**	**1231.13**	**2108**	**-3.8**	**8.6**	**13**
	Kharif Coarse Cereals incl. (Jawar, Bajra, Maize, Ragi, Small Millets)										
B.	**Pulses**										
1	Arhar	CG	0.55	0.27	497	0.57	0.33	580	3.9	21.3	17
		All India	**37.89**	**26.64**	**703**	**41.90**	**32.88**	**785**	**10.6**	**23.4**	**12**
2	Urd	CG	1.05	0.31	292	0.93	0.29	315	-11.0	-4.1	8
		All India	**23.05**	**10.90**	**473**	**26.99**	**14.72**	**545**	**17.1**	**35.0**	**15**
3	Moong	CG	0.09	0.02	270	0.09	0.03	361	2.2	36.9	34
		All India	**26.41**	**10.49**	**397**	**24.93**	**10.50**	**421**	**-5.6**	**0.1**	**6**
4	Kulthi	CG	0.48	0.14	298	0.46	0.15	321	-4.5	2.7	8
		All India	**3.29**	**1.43**	433	**2.40**	**1.10**	460	**-27.2**	**-22.7**	**6**
5	Total Pulses	CG	2.22	0.76	344	2.42	1.21	500	**9.0**	**58.4**	**45**
		All India	111.49	**57.33**	514	111.92	**65.90**	589	**0.4**	**14.9**	**14**
Other Pulses incl.(Mothbean, Other & Other Pulses)											
C.	**Oilseeds**										
1	Soybean	CG	0.93	0.92	995	1.09	0.89	816	17.1	-3.9	-18
		All India	**95.67**	**111.58**	**1166**	**112.90**	**118.57**	**1050**	**18.0**	**6.3**	**-10**
2	Groundnut	CG	0.29	0.38	1349	0.26	0.38	1460	-9.4	-2.0	8
		All India	**49.01**	**57.20**	**1167**	**41.96**	**57.52**	**1371**	**-14.4**	**0.6**	**17**
3	Sesamum / Til	CG	0.21	0.07	354	0.19	0.07	355	-9.8	-9.6	0
		All India	**19.07**	**7.38**	**387**	**17.58**	**7.84**	**446**	**-7.8**	**6.3**	**15**
4	Niger/ Ramtil	CG	0.70	0.12	173	0.64	0.11	177	-8.7	-6.6	2
		All India	**3.82**	**1.06**	**278**	**2.69**	**0.87**	323	**-29.5**	**-18.3**	**16**
5	Castor	CG	0.27	0.11	386						
		All India	**9.48**	**13.76**	1451	**10.46**	**17.38**	1661	**10.4**	**26.3**	**14**
6	Sunflower	CG	0.02	0.01	416	0.01	0.00	407	-64.9	-65.6	-2
		All India	**5.13**	**2.75**	535	**2.08**	**1.15**	552	-59.4	-58.2	3
7	Total Oilseeds	CG	2.41	1.61	670	2.18	1.44	664	-9.6	-10.4	-1
		All India	182.19	193.73	1063	187.77	199.83	1064	**3.1**	**3.2**	**0**

XIIth Plan is the Avg. 2012-13 to 2016-17

The comparative analysis of crop performance during the XIth Plan period and twelfth plan reveal that the NFSM interventions since 11th Plan have paid dividends in the production and yield of Paddy which is 28% and 25% higher during XIIth plan over its previous five year Plan and also seen under maize crop with an increase in area, production and yield at 12 %, 47% and 31% respectively. The crops replaced through diversification by maize and arhar in kharif season are Small Millets (>32%), Urd (>11%), Kulthi (>4%), Groundnut (>9%), Til (>9%) and Niger (>8%) of concerned here. Reduction in area under Urd and Kulthi is a major cause of concern. The production trend for kharif crops has shown an increasing trend in Paddy, Maize, Tur and Mung. As regards the per hectare yield, quantum jump has been recorded under Paddy, Maize, Arhar, and Moong at >25, 31, 17 and 34% respectively.

B. Rabi Crops

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

S. No.	Crops	Districts/ State	XIth Plan (2007-08 to 2011-12)			XIIth Plan (2012-13 to 2016-17)			Increase/decrease over XIth Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	**Cereals**										
1	Wheat	CG	1.03	1.15	1116	1.05	1.42	1349	2.1	23.5	21
		All India	**286.36**	**843.62**	2946	306.27	945.81	3088	**7.0**	**12.1**	**5**
2	Barley	CG	0.03	0.03	833	0.02	0.02	903	-20.5	-13.8	8
		All India	**6.56**	**15.04**	2292	6.64	16.76	2523	**1.2**	**11.4**	**10**
3	Total Cereals	CG	1.06	1.17	1107	1.07	1.44	1339	1.4	22.6	21
		All India	**392.32**	**1081.93**	**2758**	**408.37**	**1194.62**	**2925**	**4.1**	**10.4**	**6**
B.	**Pulses**										
1	Urd	CG	0.04	0.01	255	0.07	0.02	241	63.0	54.5	-5
		All India	**7.74**	**4.05**	524	**8.13**	**6.10**	**749**	**5.08**	**50.4**	**43**
2	Moong	CG	0.07	0.02	229	0.07	0.02	279	0.6	22.2	22
		All India	**6.46**	**2.80**	434	**9.62**	**5.60**	**582**	**48.9**	**99.9**	**34**
3	Kulthi	CG	0.03	0.01	295	0.04	0.01	300	37.9	40.0	2
		All India	**2.11**	**1.07**	507	**2.25**	**1.15**	**513**	**6.5**	**7.9**	**1**
4	Gram	CG	2.44	2.22	908	2.87	2.67	932	17.5	20.5	3
		All India	**82.18**	**72.42**	881	**89.45**	**84.25**	**942**	**8.8**	**16.3**	**7**
5	Lentil	CG	0.16	0.05	322	0.16	0.06	389	0.5	21.4	21
		All India	**14.64**	**9.60**	655	**13.77**	**10.41**	**756**	**-5.9**	**8.4**	**15**
6	Lathyrus	CG	3.39	1.99	589	3.41	2.46	723	0.6	23.5	23
		All India	5.16	3.42	662	**4.69**	**3.76**	**803**	**-9.2**	**10.1**	**21**
7	Peas	CG	0.16	0.06	352	0.15	0.07	437	-2.7	20.8	24
		All India	7.16	6.21	868	**9.01**	**8.49**	**942**	**25.9**	**36.6**	**8**
8	*Total Pulses	CG	6.30	4.36	692	10.29	8.42	819	63.3	93.3	18
		All India	**128.91**	**101.58**	788	140.85	122.95	873	**9.3**	**21.0**	**11**
	Total Pulses incl. (Other Pulses)										
C.	**Oilseeds**										
1	Rapeseed /Mustard	CG	0.53	0.22	409	0.47	0.24	508	-10.6	11.1	24
		All India	**61.01**	**68.85**	1128	**61.19**	**73.97**	1209	**0.3**	**7.4**	**7**
2	Linseed	CG	0.45	0.14	301	0.29	0.10	347	-35.5	-25.7	15
		All India	**3.80**	**1.57**	413	**2.93**	**1.46**	498	**-22.8**	**-6.9**	**21**
3	Sunflower	CG	**0.02**	**0.01**	416						
		All India	**8.59**	**6.53**	760	**3.74**	**2.91**	778	-56.5	-55.5	2
4	Safflower	CG	0.008	0.002	282	0.01	0.002	273	-15.4	-18.2	-3
		All India	2.79	1.78	636	1.60	0.91	568	-42.7	-48.8	-11
5	Total Oilseeds	CG	1.01	0.36	360	0.77	0.34	445	-23.2	-4.9	24
		All India	85.29	95.54	1120	77.32	94.22	**1219**	**-9.3**	**-1.4**	**9**

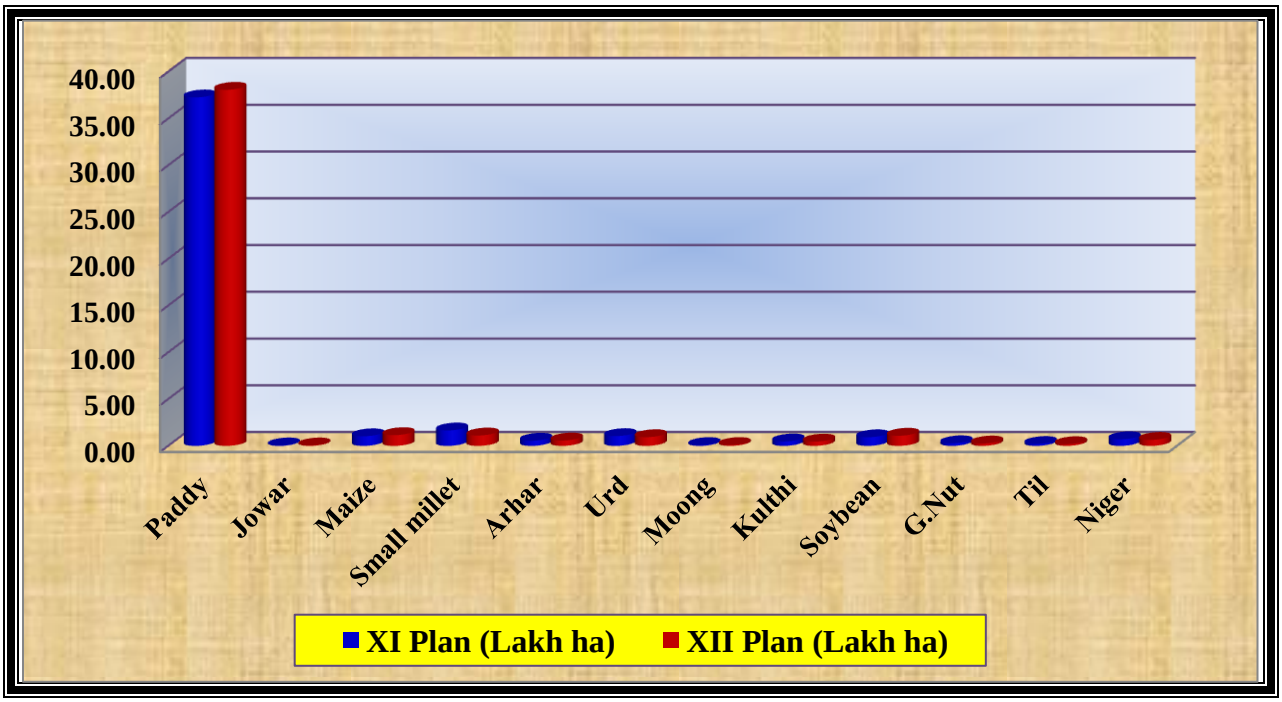
6	Sugarcane	CG	0.10	0.26	2491	0.17	0.45	2592	69.1	76.0	4
		All India	**47.14**	**3257.87**	69118	**48.80**	**3429.12**	**70265**	**3.5**	**5.3**	**2**
7	#Jute & Mesta	CG	0.01	0.03	355	0.01	0.02	333	-16.7	-21.8	-6
		All India	**9.09**	**110.84**	**2194**	**8.39**	**110.67**	**2375**	**-7.8**	**-0.2**	**8**
# Thousand bales of 180 kgs each.											

***** XIIth Plan is the Avg. 2012-13 to 2016-17***

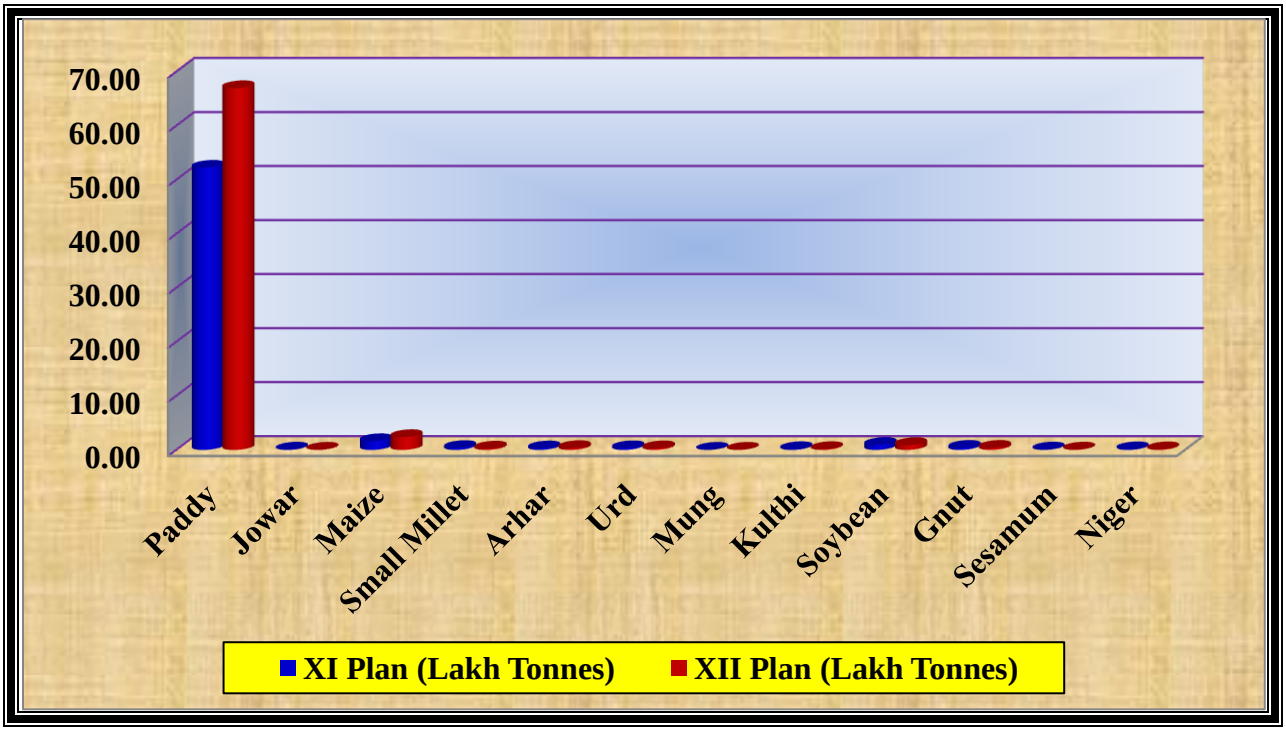
The comparative analysis of crop performance during the XIth plan period and twelfth plan reveal that the NFSM interventions since 11th Plan have paid dividends in the production and yield of Wheat which is 24% and 21% higher over its previous five year Plan and also seen under Urd, Kulthi, Gram and Sugarcane crop with an increase in area and production at 63%, 38%, 18% & 69% and 55%, 40%, 21% & 76% respectively. The crops replaced through this diversification in rabi season are Barley (>20%), Peas (> 2%), Mustard (>10%) and Linseed (>35 %) of concern here. The production trend for rabi crops has shown an increasing trend in Wheat, Urd, Kulthi, Gram, Lentil, Lathyrus, Peas, Mustard & Sugarcane. As regards the per hectare yield, quantum jump has been recorded under Wheat, Moong, Lentil, Lathyrus, Peas, Rapeseed & Mustard and Linseed at >21, 22, 21, 23, 24, 24 and 15 % respectively.

KHARIF CROPS SCENARIO: XIth & XIIth PLAN

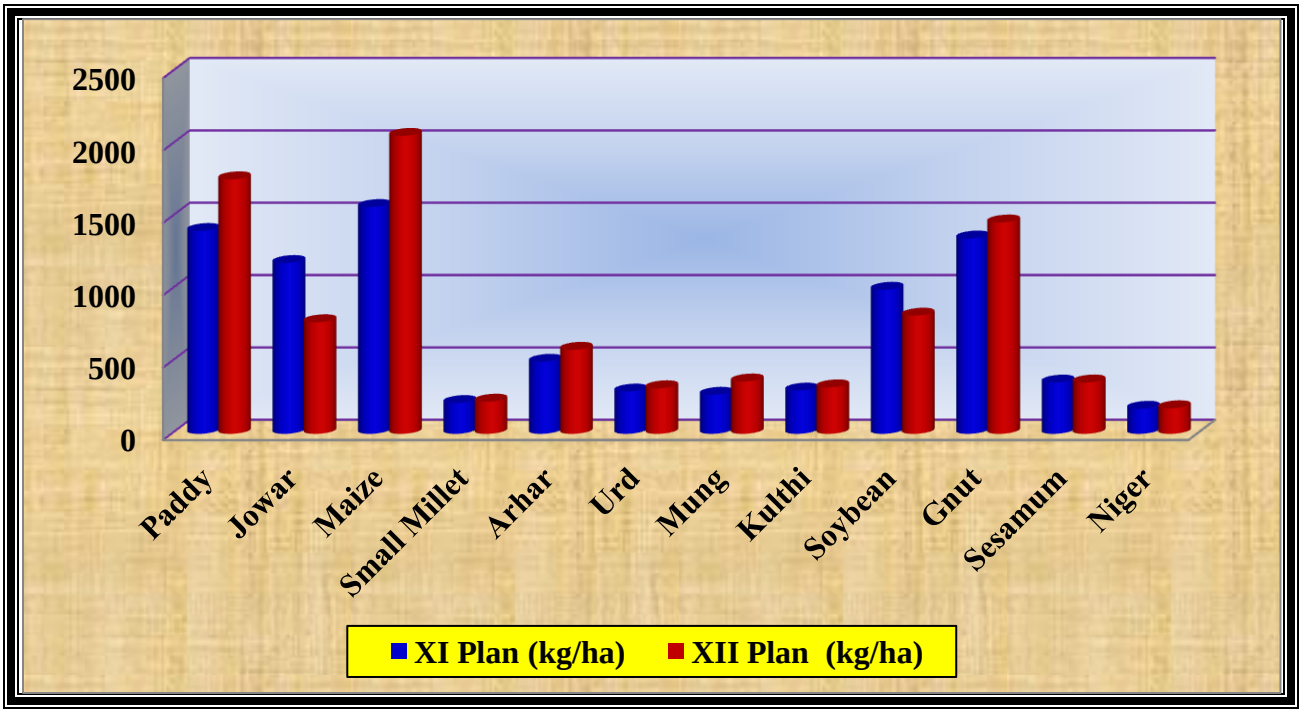
AREA



PRODUCTION

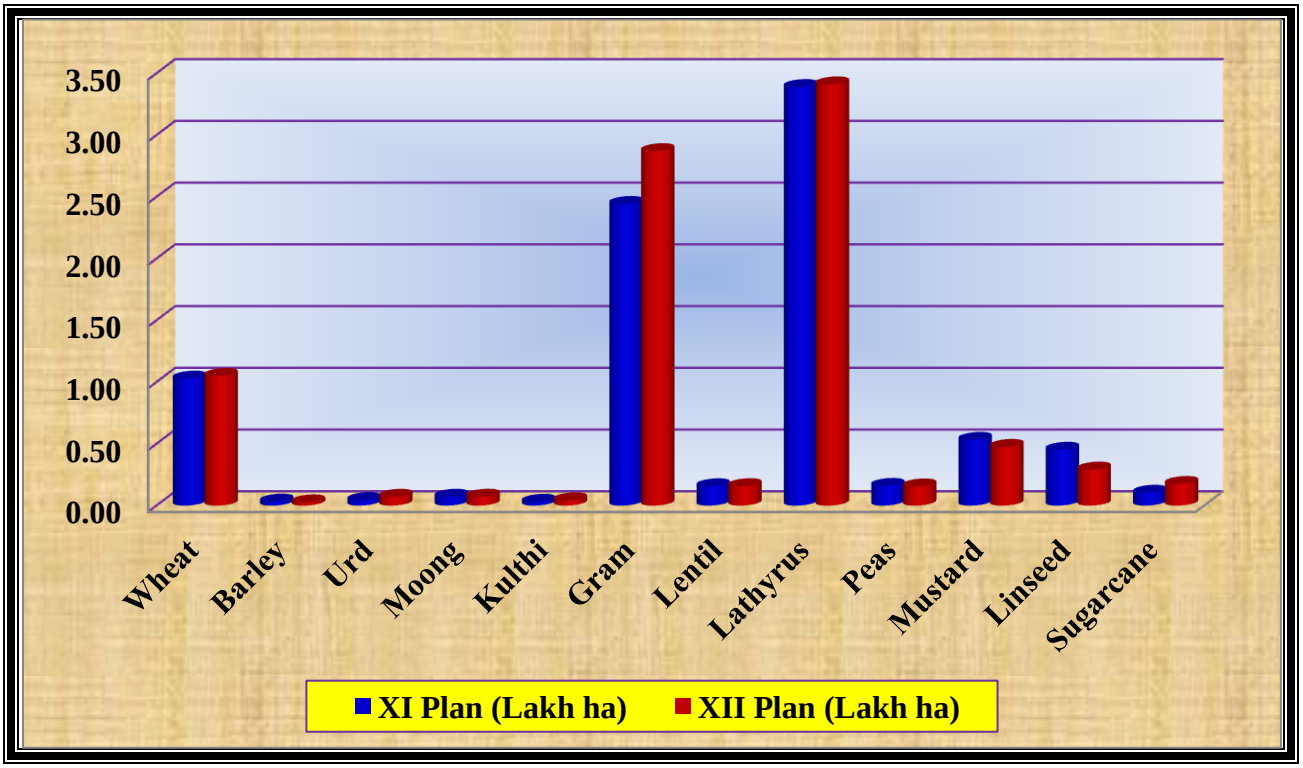


YIELD

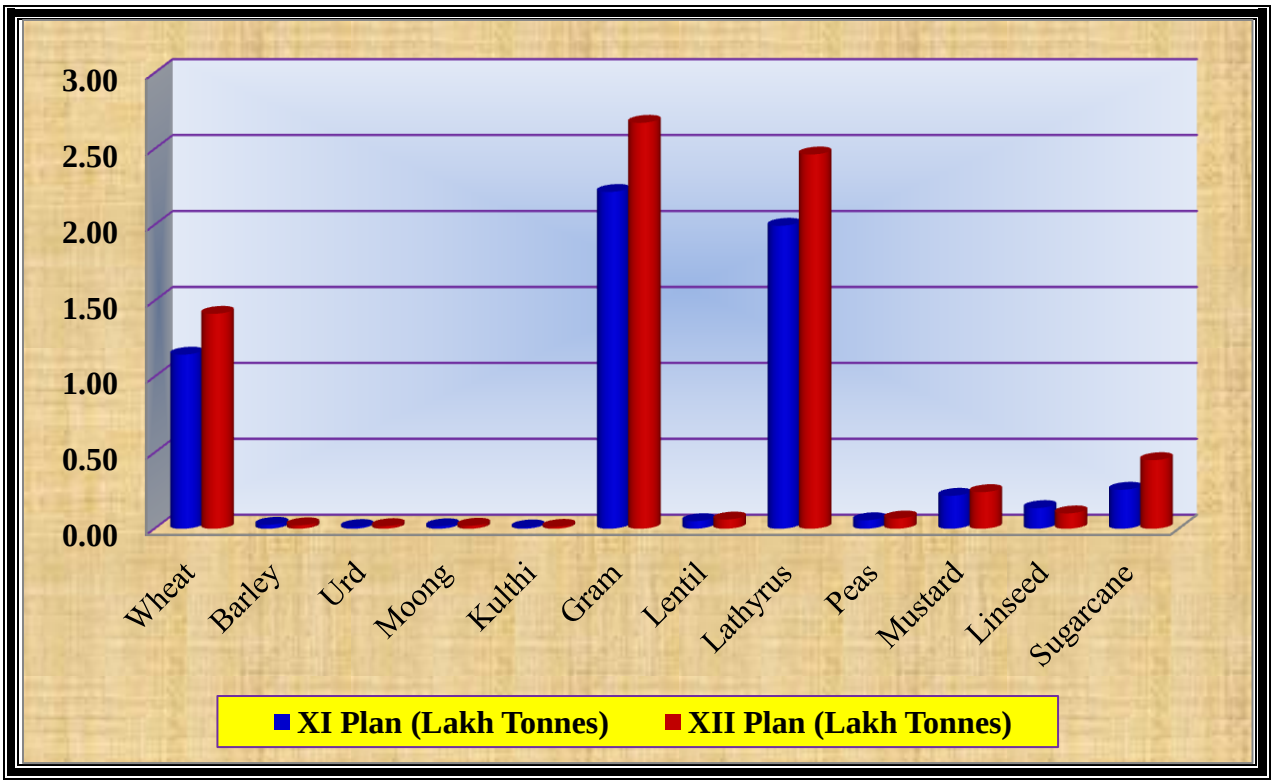


RABI CROP SCENARIO: XIth & XIIth PLAN

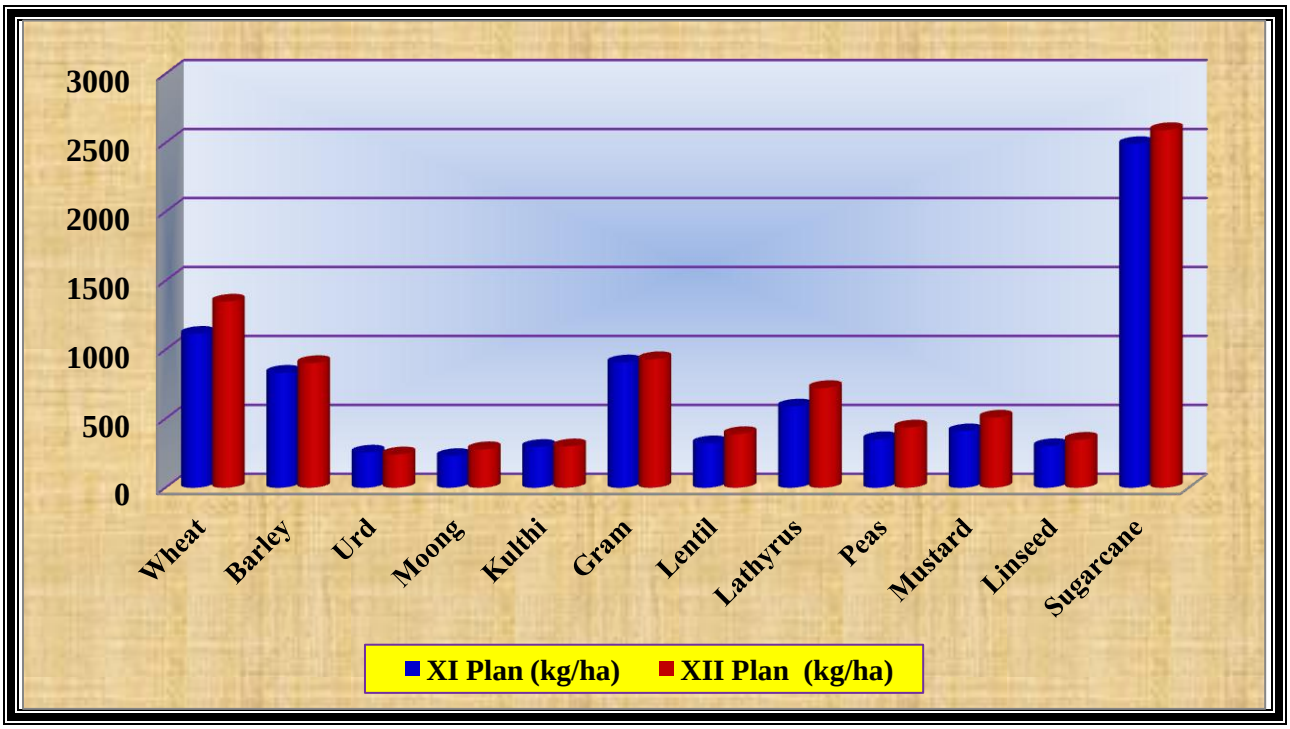
AREA



PRODUCTION



YIELD



7. PRODUCTION PERFORMANCE OF CROPS DURING NFSM (2007-08 to 2016-17) OVER PRE NFSM PERIOD (2006-07)

The production performance from base year 2006-07 to terminal year of XIIth plan 2016-17 revealed that the cereals, pulses & oilseeds have shown increasing production trend at National level as well as in the State of Chhattisgarh. Increment observed/noticed higher in C.G. against the National increment of the production which has been depicted under Table below**.**

(Prod:- Lakh tonnes)

Crops	2016-17#		2006-07		% change over	
	CG	All India	CG	All India	CG	All India
A. Cereals						
Paddy	80.48	1096.98	50.41	933.45	60	18
Wheat	1.60	985.10	0.92	758.07	74	30
Coarse Cereals*	3.57	437.72	1.78	339.24	101	29
Total Cereals	**85.65**	**2519.8**	**53.11**	**2030.76**	61	24
Coarse Cereals incl. Jowar, Bajra, Maize, Ragi, Barley, Other Minor Millets						
B. Pulses						
Pigeon pea	0.40	48.73	0.23	23.14	74	111
Gram	3.60	93.78	1.80	63.34	100	48
Urd	0.32	28.32	0.36	14.43	-11	96
Mung	0.07	21.65	0.05	11.15	40	94
Pea	-	-	0.06	6.15	-100	-100
Lentil	-	-	0.05	9.13	-100	-100
OKP	0.16	8.92	0.17	7.00	-6	27
ORP	3.04	29.91	2.21	7.34	38	307
Total Pulses	**7.59**	**231.31**	**4.93**	**141.68**	54	63
** ORP incl. Kulthi, Pea & Lentil record reported jointly by DES deptt. during 2016-17*						
C. Oilseeds						
Soybean	0.73	131.59	0.68	88.51	54	49
Groundnut	0.46	74.62	0.32	48.64	55	53
Sesamum	0.08	7.47	0.07	6.18	56	21
Niger	0.12	0.85	0.13	1.21	57	-30
Mustard	0.20	79.17	0.24	74.38	58	6
Linseed	0.10	1.84	0.17	1.68	59	10
OKO*	1.39	215.13	0.02	11.28	60	1807
ORO**	0.31	97.62	0.002	11.02	61	786
Total Oilseeds	**1.70**	**312.76**	**1.63**	**242.9**	62	29
OKO- Inc. Castor & Sunflower & ORO**- Incl Sunflower & Safflower*						
D. Commercial Crops						
Cotton		325.77	0.002	226.32	-100	44
Jute & Mesta	0.02	109.62	0.029	112.73	-31	-3
Sugarcane	8.48	3060.69	0.19	3555.2	4363	-14

Source: DES, M/A & FW, GoI, # - (Final Advance Estimate, 2016-17)

8. TARGET/ACHIEVEMENT

8.1 Crop Scenario: Rabi- 2017-18

(A-lakh ha, P-lakh tons, Y-kg/ha)

Crop	AREA			% Change over to 2016-17	PRODUCTION			% Change over to 2016-17	YIELD	
	2016-17	2017-18			2016-17	2017-18			2016-17	2017-18
		Target	Achi. *			Target	Achi. *			
Wheat	1.15	1.85	0.88	-23	1.6	2.87	1.22	-24	1391	1386
Other cereals	2.2	2.5	0.02	-99	0.02	6.72	0.02	0	9	1000
Total Cereals	**3.35**	**4.35**	**0.90**	**-73**	**1.62**	**9.59**	**1.24**	-23	**484**	**1378**
Gram	3.07	3.9	2.62	-15	3.6	4.39	2.53	-30	1173	966
Lathyrus*		3.5				2.36				
Other Pulses	3.05	1.7	2.79	-9	3.1	0.65	1.78	-43	1016	638
Total Pulses	**6.75**	**9.1**	**5.41**	**-20**	**6.7**	**7.40**	**4.31**	**-36**	**993**	**797**
Rapeseed & Mustard	0.51	1.6	0.86	69	0.2	0.89	0.24	20	392	279
Linseed	0.3	0.6	0.14	-53	0.1	0.26	0.1	0	333	714
Others*	0.01	0.51	0.03	200	0.01	0.52	0.01	0	1000	333
Total Oilseeds	**0.82**	**2.71**	**1.03**	26	**0.31**	**1.67**	**0.35**	**13**	**378**	**340**
Sugarcane	0.21	0.37	0.3	43	8.48	1.20	12.47	47	40381	41567
Others	0.01	1.9	0.01	0	0.02	0	0.02	0	2000	2000
Total Rabi	**11.14**	**18.43**	**7.65**	-31	**17.13**	**19.86**	**18.39**	**7**	**1538**	**2404**

Source: DES, Govt. of India, IInd Advance Estimate 2017-18 *Others- includes Lathyrus also.

8.2 Crop Scenario: Kharif 2017

(A-lakh ha, P-lakh tonnes)

Crops	Area				Production			
	2016	2017-18		% incr./decre over 2016	2016	2017-18		% incr./decre over 2016
		Target	Achi. *			Target	Achi. *	
Rice	38.3	36.5	37.92	-1	80.48	82.13	69.11	-14
Maize	1.2	2.25	1.38	15	3.23	4.73	2.88	-11
Minor Millets	0.96	0.85	0.91	-5	0.27	0.38	0.2	-26
Total Cereals	**40.46**	**39.6**	**40.21**	-1	**83.98**	**87.23**	**72.19**	-14
Arhar	0.66	1.5	0.9	36	0.4	1.05	0.56	40
Urd	0.93	1.6	1	8	0.3	0.74	0.32	7
Moong	0.09	0.3	0.09	0	0.04	0.13	0.05	25
Kulthi		0.43				0.16		
Other Pulses	0.41		0.34	-17	0.15			-100
Total Pulses	**2.09**	**3.83**	**2.33**	11	**0.89**	**2.08**	**1.02**	15
Groundnut	0.25	1.62	0.32	28	0.46	0.87	0.3	-35
Sesamum	0.2	38	0.28	40	0.08	0.17	0.07	-13
Soyabean	1.04	1.4	1.15	11	0.73	1.19	0.86	18
Niger	0.65	0.7	0.55	-15	0.12	0.21	0.11	-8
Other	0.01	0.02		-100		0.01		
Total Oilseeds	**2.15**	**3.12**	**2.3**	7	**1.39**	**2.46**	**1.34**	-4
Grand Total	**44.7**	**46.55**	**44.84**	0	**86.26**	**91.77**	**74.55**	-14

Source: DES, Govt. of India, IInd Advanced Estimate 2017-18.

9. CROP DEVELOPMENT SCHEMES/PROGRAMMES IN CHHATTISGARH

9.1 Allocation & Expenditure : NFSM- (2017-18)

(Rs. In Lakh)

S. No.	Name of Crop/ Scheme	Revalidate	Allocation	Total Release	Available Amount	Expenditure	Unspent Balance as on 01.02.2018
1	Paddy	2073.54	5375.77	1021.88	3095.42	2275.14	820.27
2	Pulses	695.82	5266.83	1036.38	1732.20	1696.66	35.53
3	Additional Pulses		2575.00	2575.00		282.80	2292.19
4	Coarse Cereals	159.78	287.75	143.87	303.65	157.33	146.32
Total		**2929.14**	**13505.35**	**4777.13**	**5131.27**	**4411.93**	**3294.31**

9.2 Allocation & Expenditure: NFSM (2016-17) As on 31.03.2017

(Rs. In Lakh)

S.No	Name of Crop/ Scheme	Allocation	Release	Available Amount	Expenditure	Unspent Balance as on 01.04.2017	% Utilized
1	Paddy	4659	4014.12	4014.12	2952.74	1061.38	74
2	Pulses	6130	3022.55	3022.55	3518.94	-496.39	116
3	Additional Pulse	1600	1600	1600	1541.47	58.53	96
4	Coarse Cereals	260	259.78	259.78	157.36	102.42	61
	Total	**12649**	**8896.45**	**8896.45**	**8170.51**	**725.94**	**92**

9.3 Centrally Sponsored Schemes:2017-18-Tentative Expenditure IIIrd Quarter

(Rs. In Lakh)

S. No	Schemes	Allocation 2017-18	Total Amount Available (Release +UB)			Expenditure Ending December, 2017	% Exp. against total amount available
			Total GOI Share	Total State share	Total (GOI+State)		
1	**NFSM**	10930.35	2866.28	1910.85	4777.13	4777.13	100
2	**NMOOP**	541.66	143.84	95.89	239.73	233.40	97
3	**RKVY**						
a	RKVY (Normal)	7324.00	2447.29	1631.54	4078.83	2893.65	71
b	BGREI	11830.00	5414.10	3609.40	9023.50	7016.86	78
c	TRFA	2548.17	1391.92	927.95	2319.87	144.87	6
d	RPS	166.67	54.18	36.13	90.31	6.97	8
	TOTAL	**33340.85**	**12317.61**	**8211.76**	**20529.37**	**15072.88**	**73**
4	**NMSA**						
a	RAD	1030.81	390.33	260.23	650.56	257.18	40
b	SHM	1408.13	139.59	101.17	240.76	3.15	1
c	SHC		603.65	402.44	1006.09	331.41	33
d	PKVY	843.38	379.93	253.29	633.22	150.01	24
	TOTAL	**1030.81**	**1513.5**	**1017.13**	**2530.63**	**741.75**	**29**
5	**NMAET**						
b	SMAE	4800.00	1329.86	824.46	2154.32	2154.32	100
c	SMAM	9742.32	3123.82	2082.55	5206.37	352.83	7
	TOTAL	14542.32	4453.68	2907.01	7360.69	2507.15	34
9	**IWM**	9294.00	5463.29	3642.19	9105.48	9105.48	100
10	**PMKSY**	5397.50	988.20	658.80	1647.00	389.19	24
TOTAL CSS		**63605.48**	**24736.3**	**16436.89**	**41173.2**	**27816.5**	**68**

10. District-wise Summary field visit/Activities

10.1 Bemetara

Bemetara district is a newly formed district in the state of Chhattisgarh, came in existence from 2012. **Bemetara** is located near the centre of a large plain, where several varieties of rice are grown. The Shivnath River flows to the east of the city of bemetara, and the southern side has dense forests. Bemetara has a tropical wet and dry climate, temperatures remain moderate throughout the year, except from March to June, which can be extremely hot The district receives about 1,300 MM rain, mostly in the monsoon season from late June to early October. The major kharif crops of district are Paddy, Soybean and Pigeonpea and rabi Chickpea. The economy of Bemetara is based on agriculture. Almost 80% of the people in Bemetara work on their fields and farms. Bemetara district consists of 5 Thasil (Taluk). The following are the list of the Thasil (Taluk) in Balrampur district: Nawagarh, Bemetara, Saja, Than Khamharia & Berla and each Tehsil is a single block of same name.

Date	District	Block	Village	Events shown	Observations
19.02.2018	Bemetara	Berla	Singardih	Chickpea cluster demonstration of JAKI-9218 variety under NFSM-Pulses with plant protection and micronutrient at Singardih+Bohardih village in 100 hac. for 102 beneficiaries under rice based cropping system with inter cropping of Coriender in line sowing under irrigated condition. Visited farmer field of shri Mahesh Sahu, Dehra ram Sonkar, Manoj, Manhore, Chitra lekha etc.	Chickpea cultivation is introduced in the traditional area of summer rice under line sowing. The area under Chickpea has increased up to 50%. Earlier JG-74 was the dominant variety in this area which is replaced by JAKI-9218 with intercropping of Coriander. Pre emergence weedicide was not applied at proper time/method resulted heavy weed population observed in some fields. Some farmers about 8 ha had registered their crop for seed production. Under seed production farmers got price their produce @MSP+Rs 500/ qtl. The plant population was high due to high seed rate and close spacing. Overall crop is good and farmers are satisfied with the interventions.
	Bemetara	Berla	Deori	Chickpea cluster demonstration of JAKI-9218 variety under NFSM-Pulses with plant protection and micronutrient at Deori village in 100 hac. for 112 beneficiaries under rice based cropping system with inter	Pre emergence weedicide was supp late in that situation no impact of weedicide was seen. The seed rate high and plant spacing was close n be due to using the seed drill witho proper adjustment. Orientation trai programme was organized prior to of the season. The traditional varie being replaced by JAKI-9218, the mortality is reported comparatively higher in the demonstration variety dry root rot the actual problem.

Date	District	Block	Village	Events shown	Observations
19.02.2018	Bemetara	Berla	Deori	cropping of Coriender in line sowing under irrigated condition. Visited farmer field of Avadh ram Sahu.	Some physiological disorder in the form of unfilled pods was also shown by the farmers. Monkey wild boar and rat problem is reported by the farmers of this village. Dropping of flowers is caused by Hail stones occurred on 13th February. Farmers wants information of post emerg weedicide for weed control. informed that 15-20% less mor is observed due to seed treat with Trichoderma.
20.02.2018	Bemetara	Bemetara	Kusmi	Cropping system based demonstration of Chickpea variety JAKI-9218 under NFSM with plant protection and micronutrient at Kusmi+Khudmudi village in 100 hac under rice based cropping system with line sowing under irrigated condition and timely (15th November) sown crop. Rice variety Rajeshwari was taken during Kharif programme of CSBD. Visited farmer field of shri Kanhaiya verma, Shailendra Sahu & Raju Sahu.	The crop was lodged due to Hail stones but the crop is excellent total 18 branches and 137 pod was recorded from a good plant, wilt problem is comparatively low in the demonstration crop. One round spraying of Imamaectin benzoate was done at the age of 60-70 day for pod borer control. Weed is seen under control and crop condition is good farmers are satisfied with the variety taken under the demonstration.
	Bemetara	Bemetara	Bhaisa	Cluster demonstration of Wheat variety GW-366 under BGREI in line sowing at 100 hac area and 109 beneficiaries.	The crop condition was good, 12-15 tiller and 46-50 grain per panicle was counted by field staff. Farmer is satisfied with the crop and variety. Farmers informed that they first time taken wheat.

Date	District	Block	Village	Events shown	Observations
20.02.2018	Bemetara	Bemetara	Bhaisa	Seed rate 80kg/ha, micronutrient mixture, 2- 4 D ,Chloro-Cyper, Azaderactin, Zinc, Trichoderma was provided, crop was irrigated thrice .	Visited farmer field of shri Laxman Sahu, Balram Sahu & Ishwar Sahu etc.
	Bemetara	Bemetara	Chitapar	Chickpea cluster demonstration of JAKI-9218 variety under NFSM with plant protection and micronutrient at Deori village in 100 hac. for 101 beneficiaries under Soybean based cropping system in line sowing under irrigated condition. Visited farmer field of shri Dharmendra Rajak.	The crop was lodged due to Hail stones and grains were discolored but wilt problem is comparatively low in the demonstration crop. One round spraying of Chloro+Cyper was done for pod borer control. Weed is seen under control and crop condition is good and farmers are satisfied with the variety taken under demonstration.
	Bemetara	Bemetara	Padkidih	Progressive farmer Mohit Ram Sahu and innovator of farm machineries useful for the farmers, group leader in organic farming and integrated farming. Providing 70-80 modified cultivators to the farmer per year, generating employment for 8-10 person round the year, involved in seed production of Elephant Foot Yam & Turmeric. Pigeonpea crop was raised through dibbling method 1 kg seed used for 0.82 acre area also trying for rationing of pigeonpea in his farm.	Bio gas plant, Animal husbandry, Goatry, Poultry, Fisheries units are running. Preparing botanical pesticide through hot water extract within 2-3 days and fermented extract within 8-10 days, also using bio degradation culture for preparing compost from the farm waste material within one month. Received three Cash awards and 12 recognitions from the different agencies. Pigeonpea variety Rajeev Lochan yield harvested 9qtl/acre and ratoon yield expected 3qtl/acre under ridge-furrow system.

Date	District	Block	Village	Events shown	Observations
20.02.2018	Bemetara	Bemetara	Bemetara	Meeting with the align department at Bemetara only seed corporation representative and district KVK participated the representation from Marketing Federation was lacking. The reservation policy for seed production programme is 50 % for general, 38 % for ST & 12% for SC.	The total seed production programme of Kharif 2017 was 699.70 ha (soybean, paddy & arhar) with production 19479 quintal and Rabi 2017-18 programme in 813 ha (wheat 200, gram 540, linseed 10 lathyrus 10, pea 20, lentil 23 & mustard 10). The problem of seed production jurisdiction and implementation of reservation policy in seed production was discussed in this meeting. The timely availability of inputs is the sole responsibility of seed corporation.
	Bemetara	Bemetara	Bemetara	Visit of district soil testing laboratory involved in preparing soil health card.	Laboratory is well equipped and in working conditions with trained staff. The sophisticated instruments are under AMC.
	Bemetara	Bemetara	Bemetara	Visit of developing district Kisan Bazar	This district is also working for the benefits of vegetable growers and formation of Kisan Bazar is under progress. Here registered growers can sell their produce on the optimum price based on the Whole sell price and retail price of the commodities. This will be beneficial for the producer and consumers.
	Bemetara	Bemetara	Khilora	Convergence of NHM and MANREGA schemes for Banana cultivation in the field of Holuram Sahu. Tissu culture plants were taken under drip irrigation system.	This village is nearer to the district head quarter, earlier rice and chickpea was taken in this field now tissue culture plants of Banana is taken for large scale cultivation. The beneficiary farmer is also involved in vegetable cultivation and getting good earning. The farmer is happy with this intervention and got cash award as recognition.
	Bemetara	Bemetara	Khilora	Cheak dam is constructed at the Karuwa Nala under IWMP in this village.	The Karuwa Nala Bandhan is useful for farmer and farmers are taking crops due to this construction work. This year no water available due to drought.

Date	District	Block	Village	Events shown	Observations
21.02.2018	Bemetara	Saja	Nawagaonkala	Construction of seed goadown under NFSM at the field of Smt. Sushila Devi.	The goadown is damp proof, well ventilated and rat proof some alteration in steps is advised to become ideal structure. In this village rice based chickpea is under irrigated and soybean based chickpea is rainfed condition.
	Bemetara	Saja	Nawagaonkala	Combine harvester	Farmers innovation is seen here for threshing operation of chickpea,the harvested and sundried chickpea is manually putting inside the harvester moving in the field which is saving time and labour.

10.2 Kabirdham

District Kabirdham extends in 4447.05 Sq K.M. areas between 21.32' to 22.28' North latitude and 80.48' to 81.48' east longitude. The northen and western parts are surrounded by Maikal mountain ranges of Satpura. Here the highest peak is Kesmarda in Maikal mountain which is 925 meter high, while the minimum height is 320 meter. The central east and southern part of the district is plain, whereas the northern and western part is mountainous. Mainly Black, Kanhar and Dorsa soil is found in the district. The district is divided into four Tehsils, Kabirdham, Bodla, Sahaspur Lohara and Pandariya. Each Tehsil is a single block of same name. The climate of District Kabirdham is temperate, where the maximum temperature in summer is 42'c and the minimum temperature in winter goes to the lowest of 15'c only. The district receives 1232 mm annual rainfall mostly during June to September. The major kharif crops are Paddy Soybean, Pigeonpea and Sugarcane and rabi crops are Gram of the district. The main rivers of the district originate generally from Maikal mountain range. Haf, Phok and Sakri rivers after emerging from north-west of the district flow towards south-east and in the end after going in District Durg fall in river Shivnath, whereas Phen, Halon, Banjar and Jamunia rivers flowing towards west fall in river Narmada. There is no all weather rivulets except Saliha Nala in the district.

Date	District	Block	Village	Events shown	Observations
21.02.2018	Kawardha	Kawardha	Paneka	Chickpea cluster demonstration of JAKI-9218 variety under NFSM-Additi onal Pulses with seed treatment cultures, plant protection and micronutrient at Paneka village in 85 hac.	Earlier JG-74 was the dominant variety in this area which is replaced by JAKI-9218.Pre emergence weedicide was applied at proper time/method. The plant population was high due to high see and close spacing. Dry root rot/ collar rot is the major problem; one round insecticide was done for pod borer control. Overall crop is good and farmers are satisfied with the intervent Farmer wants timely

Date	District	Block	Village	Events shown	Observations
21.02.2018	Kawardha	Kawardha	Paneka	for 58 beneficiaries under Soybean based cropping system in lir sowing under irrigate condition. Kharif Soybean failed continuously since last three year and water table is deflatir continuously in this a due to increasing num of tube well. Visited farmer field of shri Rajendra Sahu.	Availability of inputs for making use in such type of programmes. Farmers are expecting 6-7 q/acr yield from their crop.
	Kawardha	Kawardha	Biranpur	Chickpea cluster demonstration of JAKI-9218 variety under NFSM with seed treatment cultures, plant protection and micronutrient at Biranpur village in 15 hac. for 15 beneficiaries under Rice based cropping system in line sowing under irrigated condition. In Kharif Mahamaya , water table is deflating continuously in this area due to poor rainfall. Visited farmer field of shri Hari singh Rajput & Dharesh Singh Rajput.	This area is the traditional area of Chickpea cultivation, earlier JG-74 was the dominant variety in this area which is replaced by JAKI-9218.Pre emergence weedicide was applied at proper time/method. The plant population was high due to high seed rate and close spacing. Wilt is the major problem of rice based area; one round insecticide was done for pod borer control. Overall crop is good and farmers are satisfied with the in`terventions.
	Kawardha	Kawardha	Khapri	Chickpea cluster demonstration of JAKI-9218 variety under NFSM with seed treatment cultures, plant protection and micronutrient at Khapri village in 85 hac. for 63	The area is known for traditionally Chickpea cultivation, earlier JG-74 was the dominant variety which is replaced by JAKI-9218. Pre emergence weedicide was applied at proper time/method. The plant population was normal due to proper seed rate and spacing. Wilt affected plants were not seen in the field. Two round spraying of neem based

Date	District	Block	Village	Events shown	Observations
21.02.2018	Kawardha	Kawardha	Khapri	beneficiaries under Soybean based cropping system in line sowing under irrigated condition. According to Farmers assumption 6-7 q/acre yield may be harvested. Seed drill was provid the farmer under NFS 15-16.	insecticide Azadirachtin was done for borer control. Overall crop is good an farmers are satisfied with the interven Visited farmer field of shri Kapil Chandrawanshi.
	Kawardha	Kawardha	Khapri	Seed minikit of JAKI-9218 provided to Puskal	It is sown under broadcasting method, this crop is also good.
	Kawardha	Kawardha	Jorataal	Retail counter of Organic Food Plaza operated by Jai Maa Durga Mahila Krishak Abheruchi Sameti, Kawardha a self help group of 12 women's headed by Dulourin Patel under ATMA programme is working since 2014.	Different food processing mechines were provided to the group, the monthly income of group is aprox 25000/-> Juice, ice cream, coffee & snakes are being prepared from the local produce.
	Kawardha	Kawardha	Poteiya KVK	KVK Kawardha visit to see their seed production programme under seed hub of Chickpea and Lathyrus in 3.80 ha. Sowing in 1st week of Nov. crop at maturity stage and seed processing unit, seed godown.	Under NFSM- seed hub programme JG-14 variety is taken in ridge-furrow system with row spacing of 45 cm under Soybean based cropping system, 5-6 branches, 65 pods/plant counted in the sample plant. Crop condition is good. Seed processing unit is being installed and seed go down construction is under progress.
	Kawardha	Lohara	Karesara	NFSM- seed hub programme conducted by Kawardha KVK on Chickpea variety JG-11 at 30 acre & JG-14 at 18 acre for 30 beneficiaries in Soybean based field.	The sowing operation was done on 20th November. The seed rate was 30 kg/acre, 50 kg DAP/acre was applied and one round spraying of Flubendiamide for pod borer control. Wilt affected plants were not seen, crop condition was good and farmers are expecting 7.5 q/acre yield.

Date	District	Block	Village	Events shown	Observations
21.02.2018	Kawardha	Lohara	Maharatola	CFLD of Chickpea variety JG-11 in Soyabean based field under NFSM at 25 acre for 25 beneficiaries. DAP 35 kg/acre and MOP 15 kg/acre applied and two times irrigated the crop.	The crop condition was good, wilt affected plants were not seen and farmers are expecting 6-7 q/acre yield. Pre season orientation training and field day organized on 12th February and 200-250 farmers had seen the crop as informed by farmer.
	Kawardha	Kawardha	Kawardha	Meeting with the DDA & KVK staff regarding their coordination in development of agriculture in the district.	PC KVK raised the issue regarding non procuring of seed produced by KVK by agriculture department for their developmental programmes .They are deprived of production and distribution subsidies inspite of their involvement in quality seed production. It is advised that progressive farmers should be picked up for seed production programme without considering their cast-categories in the way of self sufficiency in quality seed for district.
	Kawardha	Kawardha	Kawardha	Meeting with the DDA & KVK staff regarding their coordination in development of agriculture in the district.	PC KVK raised the issue regarding non procuring of seed produced by KVK by agriculture department for their developmental programmes .They are deprived of production and distribution subsidies inspite of their involvement in quality seed production. It is advised that progressive farmers should be picked up for seed production programme without considering their cast-categories in the way of self sufficiency in quality seed for district.
22.02.18	Kawardha	Bodla	Motipur	NFSM-Additional pulse demonstration of Chickpea variety JAKI-9218 under rice based cropping system. Seed treatment cultures, pre emergence weedicide, insecticide and	As per the farmers statement 25% plants of Chickpea died every year due to wilt complex. Total number of pod in a sample plant was recorded 40 the crop was damaged due to hail stone. The grain discoloration in green pod and shedding of flowers is seen farmers are expecting 4-5 q/acre yield. Water table is deflating every year

Date	District	Block	Village	Events shown	Observations
22.02.18	Kawardha	Bodla	Motipur	Micro nutrient mixture was provided and line sowing operation was done through bullock drawn plough. Visited farmer field of shri Krisana.	Due to increasing number of tube well used for Sugarcane cultivation and lowering rainfall in this area.
	Kawardha	Bodla	Minmeniaya maidan	Jaggery production unit is functioning at large number (70-80) in the district. The cooperative sugar factory purchase sugarcane from their share holders as per the requirement. The support price of factory is Rs. 255+55=310/- q. , the unsold sugarcane is being purchase @180-190/- q. by Jaggery units.	The production unit of this village is purchasing 1200-1300 q.sugarcane daily and producing Jaggery for liquor industry and selling per 25 kg container at Rs. 480/-
	Kawardha	Bodla	Sarangpurkala & Lojhari	Rice based cropping system based demonstration of Chickpea variety JAKI-9218 under NFSM at 15 ha. For 11 beneficiaries, 1irrigation could be provided for November sown crop.	The crop is affected due to hail stones which damaged the green pods by discolouration and shaded the flowers also. Visited farmer field of shri Ajab Singh.
	Kawardha	Pandariya	Paraswara	Construction of seed godown under NFSM-2017-18. Total cost 3.5 lakh Subsidy 1.5 lakh. Beneficiary shri Jagdish Chandrawanshi.	The structure is ideal for storage purpose inclusiveof ventilation arrangement, damp proofing and rat proofing arrangements.

Date	District	Block	Village	Events shown	Observations
22.02.18	Kawardha	Kawardha	Kawardha	Visit of Sugar factory established in the year 2002 at Kawardha for inducing the crop diversification in this area and prosperity of farmers. The increasing demand of sugarcane growers had pressed upon the Govt. for opening another factory at Pandariya in the year 2017.	The farmers are growing sugarcane in a large area. The increasing number of Tube well had deflated the water table in the district. The conventional paddy field is also being used for sugarcane cultivation in the district. This has been creating the problem of Sugarcane Pyrella due to poor drainage. The surplus production beyond the Sugar factory demand has compelled the farmers to sell their excess produce to Jaggery producers at Rs. 130/-per quintal loss.

10.3 Mungeli

Mungeli is a newly formed district from the separation of Bilaspur district since 2012. Mungeli is located at 22.07°N 81.68°E. It has an average elevation of 288 metres (944 feet). There are total 3 blocks which comes under Mungeli district i.e. Mungeli, Lormi & Pathariya, and there are total 694 villages and 3 town areas which comes under this district. The soil of the major portion of this district is Vertisols. Maniyari and Aagar are the main river of this district. The average rainfall of this district is 1071.5 mm and major Kharif crops are Paddy, Soybean, Pigeonpea, Groundnut and Rabi season crops are Chickpea, Lathyrus, and Linseed.

Date	District	Block	Village	Events shown	Observations
22.02.18	Mungeli	Mungeli	Sheetalkunda	Cropping system based demonstration of Chickpea variety JAKI-9218 at 100 ha area for 92 beneficiaries under rice based cropping system.Visited farmer field of shri Pulender prassad Patre	Line sowing through seed drill, nipping operation resulted good branching. The traditional variety JG-74 is replaced by JAKI-9218. 30 kg DAP and 2 irrigation was given, bio-pesticides were applied. The crop condition is Good.
	Mungeli	Mungeli	Mungeli	Self sustained model of Vaishnav Krishi Farm visit	Shri Vaishnav Ji is having a famous restaurant at Mungeli, he is supporting his business by operating a dairy business with 250 animals, the dairy waste is

Date	District	Block	Village	Events shown	Observations
22.02.18	Mungeli	Mungeli	Mungeli	Self sustained model of Vaishnav Krishi Farm visit	used for vermin-composting and bio gas production. The bio gas is being used for preparing sweets and snaks and vermin-compost selling is also a enterprise. He is also using bio-fertilizers for his own farm where he is growing fooder, grains and vegetables for supporting his different units.

10.4 Bilaspur

Bilaspur is located at 22.09°N 82.15°E. It has an average elevation of 264 metres (866 ft). It is situated on the banks of the rain-fed Arpa River, which originates from the high hills of the Maikal Range of Central India. This dolomite rich region is surrounded by lush green forests in the north and the coal mines of the Hasdeo valley in the east. The district is divided in to 8 Administrative blocks i.e. Bilaspur, Pendra, Pendra- road, Kota, Takhatpur, Bilha, Marwahe & Masturi. Bilaspur is the center of electric power generation in India. It is also a centre of Agri products, there are approx. 500 Rice and Dal- mills are running in the surrounding area. Bilaspur is known for its aromatic rice variety named Doobraj rice, handloom woven colorful soft Kosa silk saris and Lac collection. The soil type of the major area is Alliuvial type, the climate is pleasant and mild in the winter (minimum temperature 10 °C). There are medium rains in the monsoon season the annual rainfall of the district is 1259 mm. The climate of the district is suitable for Rice, Wheat, Sugarcane and Cotton crops.

Date	District	Block	Village	Events shown	Observations
23.02.2018	Bilaspur	Takhatpur	Deori Khurd	KVK Bilaspur cluster FLD on Lathyrus variety Prateek under line sowing at 15 acre for 10 beneficiaries along with cheak plots of conventional relay cropping in rice based cropping system. KVK Bilaspur FLD on Chickpea variety Vaibhav under line sowing at 8 acre for 6 beneficiaries in rice based cropping system.	40 kg/ha. Seed of Lathyrus treated with Carbendazim sown in line through seed drill followed by application of pre emergence weedicide. The crop is good, field day was organized. 40 kg/ha. Seed of Chickpea treated with Carbendazim sown in line through seed drill followed by application of pre emergence weedicide. The crop is good and farmers are satisfied

Date	District	Block	Village	Events shown	Observations
23.02.2018	Bilaspur	Takhatpur	Khairi	NFSM pulse cluster demonstration on Chickpea variety JAKI-9218 under rice based cropping system	The demonstration was under taken through broadcasting method of sowing. The inputs for demonstration was provided in late
	Bilaspur	Bilaspur	Chorbhatti	State Bio control Lab operated by IGKV visit.	The is handling Trichoderma, Pseudomonas, Aspergillas, Metarhizium & Beauveria microbials and seed treatment cultures for Soybean, Chickpea, Moong-Urid, Pea, Groundnut,PSB culture and Azactobactor cultures. They are trying to get license for commercial selling of biopesticide. The laboratory is well equipped.
	Bilaspur	Belha	Bahatarai	Construction of seed Godown under NFSM during 15-16. The structure is not constructed properly by following the approved design for damp proofing and rat proofing.	The farmer Madhoo Sing also benefitted under Farm mechanization scheme of state government and earning through custom hiring center. It is informed by Praffull Kumar Sinha that seed quality is poor and fertilizers begs are under weight. There are some misconceptions in Prime Minister Crop Insurance Scheme. The insurance company never comes in direct contact to the farmers. The premium is collected through society and payment of compensation is done through bank transfer .This farmer wants insurance coverage for pest damage also.

11. Observation

- The overall crop scenario in the state was good. However, some incidence of insect-pest and disease and some weed infestation were noticed throughout the visit in different districts.
- Dry root rot/collar rot is the major problem in chickpea It is informed that 15-20 % less mortality is observed due to seed treatment with *trichoderma*.
- 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 area under chickpea in visited area has increased upto 50 % and earlier JG-74 dominated variety which is replaced by JAKI-9218.
- The most of CFLD and cluster demonstration of gram laid down under irrigated condition.
- In Bilaspur, under *Local Initiatives* component the *seed godown* was visited, it was noticed that this godown was lacking prescribed rodent proofing, a pre-requisite for such structure.
- Funds under Sub-mission on seed and Planting Material (SMSP) for distribution of seed are given to SSC.
- Input for cluster demonstrations seed supplied by SSC & other input supplied by District Manager (Agro).
- The reservation policy for seed production programme is 50 % for general, 38 % for ST & 12% for SC. The problem of seed production jurisdiction and implementation of reservation policy in seed production programme.
- Availability of quality input such as pesticides, herbicides, micronutrients etc for cluster demonstration is a major issue and observed as a major feedback in the district. The extension functionaries have also endorsed this fact.
- Timely availability of inputs in desired quantities in NFSM programme is another major issue in almost all the visited districts in particular and the state as a whole, in general.
- In Bemetra, the most appreciable efforts of District Agriculture Department to benefit farmers under PMFBY during Kharif 2016, paid compensation of Rs 62.39 crores to 41603 farmers. During Kharif, 2017, estimated claim Rs. 111.22 crores for paddy to 47931 farmers.
- In district Bemetara under BGREI, wheat variety GW-366 was demonstrated on 100 hectare.
- Shri Mohit Ram Sahu awarded with cash Rs.25000/- for his excellent work in district. He has adopted very good IFS model, there is need to replicate such model across the state.
- Under Local initiatives Agricultural department provided seed godown but some of its godown were not having rat protection structures.

- 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.
- *NFSM-Seed-hub programme* (2016-17 to 2018-19) is being implemented at Kawardha. The production programme of chickpea and lathyrus visited at KVK onfarm as well as farmer's field.
- In kawardha, the work relating to seed processing unit established and storage infrastructure has been completed about 60 %.
- Pulses seed minikits under Gram (Minikit size: *@ 16 kg*) were demonstrated. Seed treatment material available in minikit, however, literature related to variety is not available.
- Sufficient quantities of biofertilizer as per the requirement of the state can be made available under the NFSM, NMOOP and BGREI programme subject to advance MoU with the Directorate of Agriculture, CG with the Agiculture University.
- The farmers of Kawardh district are growing sugarcane in a large area. The increasing number of Tube well had deflated the water table in the district. The conventional paddy field is also being used for sugarcane cultivation in the district. The surplus production beyond the Sugar factory demand has compelled the farmers to sell their excess produce to Jaggery producers at Rs. 130/- per quintal loss (the support price of sugarcane is 255/- + 55/- bonus = 310/ qtls). The unsold sugarcane is being purchased @ Rs. 180-190 / qtls by jaggery units.
- The majority of the chickpea demonstrations were taken in the areas where in summer paddy grown traditionally. Crop was in the grain filling stage and good in condition.
- Some farmers grown Coriander as intercrop with chickpea. Crop damage by monkeys and rats has also been emphasized by the farmers.
- Seed treatment operations were not followed properly.
- Farmers raised the issue of late receipt of inputs.
- Chickpea was grown under rice and soybean based cropping system.
- Farmers pointed out the problem of failure of previous crop soybean due to drought and damage in some chickpea demonstrations due to hailstorm this year.
- Visited newly established Banana growing field in village Khilora. Farmer Holu Ram Sahu shown gratefulness to government schemes viz. NHM and MNREGA etc.

- Farmers have pointed out the problem of wilting in chickpea which was examined and found as complex of Collar rot and Dry Root Rot diseases and suggested for seed treatment and deep summer ploughing.
- 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.
- Visited Front Line Demonstrations of Lathyrus variety Prateek and chickpea variety Vaibhav conducted in 15 acres by 10 farmers in cluster modeat village Deorikhurd. The crops were in grain filling stage.
- Also visited Vaishnav Krishi Farm at district- Mungeli, wherein, progressive farmer Vidyavrat Vaishnav is organically cultivating all the crops and maintaining dairy of around 250 animals. He got benefit of several schemes of Agriculture Department.

12. RECOMMENDATIONS

- The criteria of deciding input cafeteria even today it is not based on soil test recommendations and not decentralised 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. This is important to ascertain quality technology demonstrations under the programme.
- It is strongly recommends compliance of full package of practices, where all inputs are used with mandatory planting by line sowing.
- The IWMP should be implemented with catchment based treatment of watershed area.
- 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.
- The districts (DDAs) may enter into MoU with the designated NFSM-Seed-hub Centres namely ICAR/AICRPs, KVKs for the lifting of the quantities of the certified seeds produced under NFSM. It is important both for sustainability of the seed-hubs and ensuring the availability of the quality seeds/varieties to achieve the targeted cluster demonstrations for effective technology transfer/sustainable production and improvement of SRR/VRR.
- Cluster demonstrations area may be reduced to a maximum of 5 to 10 hectares from existing 100 hectares thereby increasing technology transfer to large representative areas with quality demonstration. The field extension staff has appraised that such a big cluster is not practical for pulse crops of Mung, Urd, Lentil and Tur except the major crops of region like Soybean, Gram, Wheat.
- The RCT beneficiaries with > 10,000/- per unit financial assistance under NFSM during 10 years of the NFSM programme (2007-08 to 2016-17) may be documented for wider publicity, dove-tailing with the CHCs to enable the farmers avail the custom hiring services of implements. This will mutually benefit the owner as well as the other farmers (income generation and increase in mechanization).
- 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.

- 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.
- 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 IGKVV, 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 input but will also financially help the States University and it's Laboratory for making a sustainable production and economic viable.
- Dry root rot/collar rot is the major problem in chickpea It is strongly suggested seed treatment with trichoderma and deep summer ploughing.
- It is strongly recommended to proper seed rate practiced adopt to improve plant geometry as well as reduce cost of cultivation.
- The problem of seed production jurisdiction and implementation of reservation policy in seed production programme may be sort out at the state level.
- The major problem of weeds needs to be developed post emergence weedicide for pulses including chickpea.
- 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 mechanised farming such as ridge and furrow, BBF etc.
- 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.

- 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 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 staff involved under National Food Security Mission needs further improvement in terms of their skill up-gradation in laying out demonstrations although few demonstrations were found more than satisfactory/in good shape.
- Team observed enthusiasm among staff and farmers during the visit. However, it requires intensification.
- The team feels that strict and frequent monitoring at state/district level is essential for ensuring the flow of fund & interactions so as to increase effective TOT to targeted beneficiary.
- The vacant posts of District Consultant, Technical Assistants provided under scheme needs to be filled up immediately.
- 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 fulfil 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 wider publicity and long lasting impact of demonstrated activities (cluster/implements, variety) display of flexi boards both at village panchayat buildings and demonstration site, is highly recommended.
- The earlier popular Rice-lathyrus cropping system is now diverting to rice-gram system. Lathyus 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.
- The team suggested 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.

- 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.

- 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.

- Input supply to the district is a regularly delayed phenomenon. Even the sowings and critical physiological stage of crops are over, resultantly later on the un-utilized inputs remain lying with the districts or else delivered to the farmers in vain. This defeat the sole purpose of the full package cluster demonstration and simply benefits the supplying agencies.
- 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, dhal mills, locally made popular implements etc., may be incorporated under this head.*

FIELD VISIT PHOTOGRAPHS
DISTRICT- BEMETRA

Gram Cluster Demo.(JAKI 9218) Block – Bemetra, Village- Kusmi

Gram Cluster Demo.(JAKI 9218) Block – Berala Village-Deori

DISTRICT- BEMETRA

Wheat Cluster Demo. (GW-366) undert BGREI Block Bemetra Village- Bhaisa

Gram Cluster Demo.(JAKI 9218) Block – Barela Village-Singardiha

DISTRICT- BEMETRA

Arhar Sown by Dibbling method (Mohit ram sahu) , Block –Bemetra , Village- Padkidih

Sujla yojna (Mohit ram sahu) , Block –Bemetra , Village- Padkidih

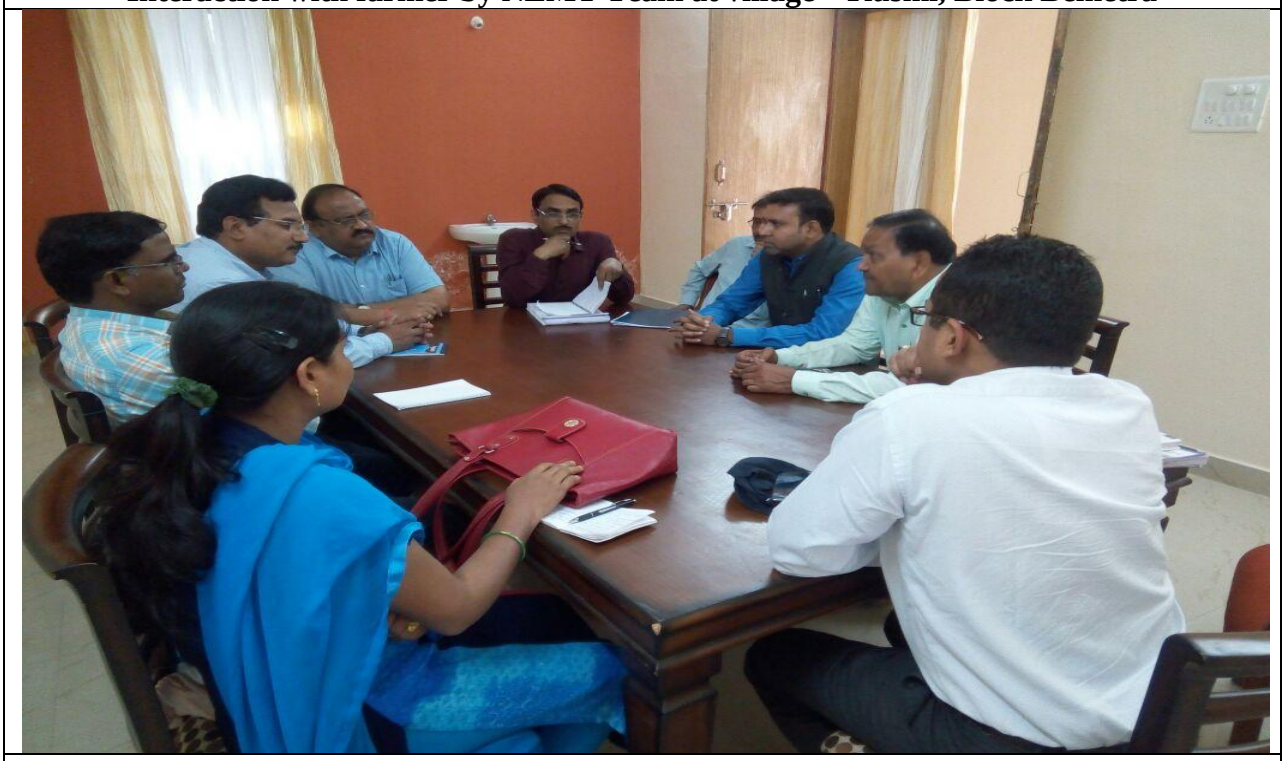
DISTRICT- BEMETRA

Self initiative Bio pesticide (Mohit ram sahu) , Block –Bemetra , Village- Padkidih

Fish pound supported under NHM (Mohit ram sahu) , Block –Bemetra , Village- Padkidih

DISTRICT- BEMETRA

Interaction with farmer by NLMT Team at village – Kusmi, Block Bemetra



Review meeting with Stake holder at Bemetra

DISTRICT- BEMETRA

Small Machineneries production unit (Mohit ram sahu) , Village- Padkidih Block – Bemetra ,

Gram threshing by combiner at field

DISTRICT- BEMETRA

Soil testing lab at Bemetara

कृषि विभाग के सलाह से ही कीटनाशक का छिड़काव करने किसानों को दिए निर्देश

केन्द्रीय दल ने योजनाओं को देखा

■ नवभारत ब्यूरो। बेमेतरा

भारत सरकार कृषि विभाग के केन्द्रीय दल विगत 19 एवं 20 फरवरी को कृषि विभाग द्वारा संचालित योजनाओं के निरीक्षण हेतु जिले के प्रवास पर रहे. केन्द्रीय दल में डॉ. एके शिवहरे, सहायक संचालक दलहन निदेशालय भोपाल डॉ. संजय शर्मा, कृषि वैज्ञानिक कीट विज्ञान, डॉ. आरएन शर्मा, वैज्ञानिक प्लांट ब्रीडिंग डॉ. अश्वनी ठाकुर, वैज्ञानिक शस्य विज्ञान शामिल थे.

केन्द्रीय दल ने 19 फरवरी को ग्राम सिंगारडीह, विकासखण्ड बेरला में राष्ट्रीय खाद्य सुरक्ष मिशन, दलहनद्ध अंतर्गत 100 हेक्टर चना क्लस्टर प्रदर्शन का निरीक्षण कर कृषकों से चर्चा किया. प्रदर्शन में उपयोग की गई आदान सामग्री की जानकारी प्राप्त की. ग्राम देवरी, विकासखण्ड बेरला में राष्ट्रीय खाद्य सुरक्षा मिशन अंतर्गत आयोजित किये गये 100 हेक्टर चना क्लस्टर प्रदर्शन का अवलोकन किया

खेतों का निरीक्षण करते केन्द्रीय दल के अधिकारी

गया. इसी प्रकार 20 फरवरी को ग्राम कुसमी, विकासखण्ड बेमेतरा में राष्ट्रीय खाद्य सुरक्षा मिशन अंतर्गत धान आधारित फसल पद्धति प्रदर्शन, धान के बाद चना का किया एवं कृषकों से चर्चा की गई. तत्पश्चात ग्राम भैंसा, विकासखण्ड बेमेतरा में हरितक्रांति विस्तार योजना अंतर्गत आयोजित किये गये गेहूं क्लस्टर प्रदर्शन का निरीक्षण, कृषकों से चर्चा, प्रदर्शन में उपयोग की गई आदान सामग्री की जानकारी प्राप्त की एवं आवश्यक मार्गदर्शन दिये गये. ग्राम छ्रीतापार में राष्ट्रीय खाद्य सुरक्षा मिशन अंतर्गत 100 हेक्टर क्लस्टर प्रदर्शन का निरीक्षण किया गया. आत्मा एक्सटेंशन सिस्टम के तहत जिले के उन्नतशील कृषक मोहित साहू, ग्राम पड़कीडीह, विकासखण्ड बेमेतरा, राज्य स्तरीय पुरस्कार प्राप्त के जैविक फार्म का अवलोकन किया गया. कृषक द्वारा स्वयं के व्यय पर कृषि यंत्रों के निर्माण से खुश हुए, केन्द्रीय दल द्वारा किये गये कार्यों की सराहना की गई. जिले में संचालित नवनिर्मित मिट्टी परीक्षण प्रयोगशाला का अवलोकन किया एवं विभागीय अधिकारियों के साथ बैठक की. ग्राम खिलोरा के कृषक होलू राम साहू के द्वारा टिशू कल्चर केले की खेती उद्यान विभाग से प्राप्त अनुदान का निरीक्षण किया गया, वर्ष 2016-17 में आईडब्ल्यूएमपी के अंतर्गत करूवानाला ग्राम खिलोरा मे निर्मित चेकडेम का निरीक्षण किया गया. राष्ट्रीय खाद्य सुरक्षा मिशन अंतर्गत ग्राम नवागांवकला, विकासखण्ड साजा में कृषक श्रीमती सुशीला देवी द्वारा निर्मित गोदाम का अवलोकन किया गया. केन्द्रीय दल द्वारा कृषकों को ग्रीष्मकालीन जुताई, बीजोपचार, बीज की उचित मात्रा, कतार से बोनी समय पर निंदा नियंत्रण, संतुलित उर्वरक का उपयोग, आर्थिक क्षति से अधिक होने पर ही कीटनाशक दवा का उपयोग करने की सलाह दी गई. साथ ही कृषि विभाग के सलाह से ही कीटनाशक का छिड़काव करने के निर्देश दिये. निरीक्षण के दौरान दल के साथ केके भद्रावले सहायक संचालक कृषि बेमेतरा, आरके सोलंकी अनुविभागीय कृषि अधिकारी बेमेतरा, हेमंत बघेल वरिष्ठ कृषि विस्तार अधिकारी बेरला बीएस राजपूत, वरिष्ठ कृषि विस्तार अधिकारी बेमेतरा आरएम नामेदव, वरिष्ठ कृषि विस्तार अधिकारी आरके टण्डन अतुल सिंह, सुश्री सुशेष सिंह, ग्राम कृषि विस्तार अधिकारी एवं कृषि विज्ञान केन्द्र की वैज्ञानिक श्रीमती कुंती दिनकर भी उपस्थित रही. जिले के भ्रमण के दौरान केन्द्रीय दल ने विभाग द्वारा दलहन एवं तिलहन उत्पादन के क्षेत्र में राज्य में अग्रणी स्थान रखने वाले जिले में विभाग द्वारा किये गये कार्यों की सराहना की. केन्द्रीय निरीक्षण दल का नेतृत्व संदीप सोनकर, शाखा प्रभारी, राष्ट्रीय खाद्य सुरक्षा मिशन जिला बेमेतरा द्वारा किया गया.

Media coverage

DISTRICT- KABIRDHAM

Gram Cluster Demo.(JAKI 9218) Block – Kabirdham Village-Paneka

Gram Cluster Demo.(JAKI 9218) Block – Kabirdham Village-Biranpur

DISTRICT- KABIRDHAM

View of sugarcane factory at Kabirdham, establish in year 2002

View of sugar production

DISTRICT- KABIRDHAM

Seed drill under NFSM -2015-16 Block – Kabirdham, Village Khapri

Seed godown under NFSM- 2017-18, Block -Pandariya village- Paraswara

DISTRICT- KABIRDHAM

Market Showroom of Durga Maa Women Farmers Group established under ATMA scheme at Kawardha

रायपुर, रविवार, 25 फरवरी 2018
haribhoomi.com
कवर्धा हरिभूमि 17

फसलों के प्रदर्शन का लिया जायजा।

केन्द्र के अधिकारियों ने किया फसल का निरीक्षण

हरिभूमि न्यूज ▶▶कवर्धा

कृषि विज्ञान केन्द्र, कवर्धा राष्ट्रीय दलहन मिशन योजनांतर्गत प्रदर्शन का निरीक्षण गत दिनो डॉ. एके शिवहरे, सहायक संचालक, दलहन निदेशालय भोपाल, डॉ. संजय शर्मा, वैज्ञानिक, कीट विज्ञान, डॉ. आरएन शर्मा, वैज्ञानिक पादप प्रजनन, डॉ. अश्वनी ठाकुर, वैज्ञानिक शस्य विज्ञान, इंदिरा गांधी कृषि विश्वविद्यालय, रायपुर द्वारा किया गया।

केन्द्रीय दल द्वारा कृषि विज्ञान केन्द्र, कवर्धा द्वारा राष्ट्रीय दलहन मिशन योजना अंतर्गत समूह प्रदर्शन फसल चना रकबा 50 हेक्टेयर जो कि कुल पांच समूह में जिले के अलग-अलग क्षेत्रों में प्रदर्शन दिया गया था जिसका निरीक्षण किया गया। इसके साथ-साथ कृषि विज्ञान केन्द्र, कवर्धा द्वारा सीड हब योजनांतर्गत बीजोत्पादन कार्यक्रम किसानों के खेतों में किया जा रहा है उसका निरीक्षण भी केन्द्रीय दल द्वारा किया। डॉ. बीपी त्रिपाठी, वरिष्ठ वैज्ञानिक एवं प्रमुख, कृषि विज्ञान केन्द्र, कवर्धा, बीएस परिहार, वैज्ञानिक, शस्य विज्ञान एवं नोडल अधिकारी सीड हब, डॉजी. टीएस सोनवानी प्रभारी समूह प्रदर्शन केन्द्रीय निरीक्षण दल के साथ उपस्थित थे। डॉ. बीपी त्रिपाठी ने बताया कि केन्द्रीय दल की टीम द्वारा निरीक्षण के दरम्यान कृषि विज्ञान केन्द्र, कवर्धा के द्वारा बीजोत्पादन समूह प्रदर्शन की सराहना की एवं किसानों को उन्नत तकनीक द्वारा प्रदर्शन लेने हेतु प्रोत्साहित किया गया इसके साथ ही केन्द्रीय दल द्वारा कृषि विभाग की योजनाओं का भी निरीक्षण किया गया।

Media coverage

KVK KABIRDHAM

Gram CFLD (JAKI 9218) Block – Lohara Village-Maharatola

Gram CFLD (JAKI 9218) Block – Lohara Village-Karesara

Seed production of gram under NFSM -Seed hub, Block – Lohara Village-Karesara

Gram CFLD (JAKI 9218) Block – Lohara Village-Karesara

KVK, Kabirdham

KVK, Kabirdham

Seed processing unit under seed hub at KVK, Kabirdham

Infrastructure under seed hub at KVK, Kabirdham

DISTRICT- BILASPUR

Gram CFLD (Vaibhav) Block – Takhatpur Village- Deori Khurd

Lathrus CFLD (Prateek) Block – Takhatpur Village - Deori Khurd

DISTRICT- BILASPUR

State Bio control Lab , Chorbhatti, Bilaspur

State Bio control Lab , Chorbhatti, Bilaspur

DISTRICT- BILASPUR

Seed gowdon under NFSM, Block- Bilha Village- Bahatarai

Rotavator under Farm mechanization scheme of state government, Block- Bilha Village- Bahatarai

DISTRICT- MUNGELI

Gram Cluster demo. (JAKI 9218) Block – Mungeli, Village- Mungeli

Gram Cluster demo. (JAKI 9218) Block – Mungeli, Village- Sheetalk unda

DISTRICT- MUNGELI

Vermi compost unit at Vaishnav krishi farm, Block- Mungeli, village- Mungeli

Dairy unit at Vaishnav krishi farm, Block- Mungeli, village- Mungeli

DISTRICT- MUNGELI

Dairy at Vaishnav krishi farm, Block- Mungeli, village- Mungeli

Making dairy product using bio gas at Vaishnav krishi farm, Block- Mungeli, village- Mungeli

Discussion with progressive farmer Shri Vaishnav Ji ,Block- Mungeli, village- Mungeli

(Annexure-I)

APPROVED COST NORMS & INPUT CAFETERIA : 2017-18

A. CLUSTER DEMONSTRATIONS

1. Cluster Demonstration : Rice -Direct seeded/Line sowing with HYVs

Farming situation: Upland Rainfed/Midland Rainfed-semi-irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ ha)
1.	Seed (@60 kg/ha)	Rs. 20/kg	1200
2.	Arhar seed for bund cultivation	2 kg	300
3	Fertilizer (N: P: K) (60:40:20) **	-	To be borne by farmers themselves
4.	Ambika/Conoweeder	50 % maximum Rs 600	600
5.	Integrated Nutrient Management	Soil test based use of micro nutrient/lime	1750
6.	Weedicide		1900
7.	Integrated pest Management	Plant protection chemicals and bio-agents	950
8.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

2. Cluster Demonstration : Rice -Transplanting with HYVs

Farming situation: Midland Semi-irrigated Condition/Midland irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ha)
1.	Seed (@40 kg/ha)	Rs. 20/kg	800
2.	Arhar seed for bund cultivation	2 kg	300
3	Fertilizer (N: P: K) (60:40:20) **	-	To be borne by farmers themselves
4.	Marker	50 % of the cost	800
5.	Integrated Nutrient Management	Soil test based use of micro nutrient/lime	1750
6.	Weedicide	-	1900
7.	Integrated pest Management	Plant protection chemicals and bio-agents	1150
8.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of Rs. 7500/ha.

3. Cluster Demonstration: Rice -SRI with HYVs

Farming situation: (E) Midland assured irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ha)
1.	Seed (@15kg/ha)	Rs. 20/kg	300
2.	Arhar seed for bund cultivation	2 kg	300
3	Fertilizer (N: P: K) (100:60:40) **	-	To be borne by farmers themselves
4.	Marker	50 % of the cost	800
5.	Integrated Nutrient Management	Soil test based use of micro nutrient/lime	2500
6.	Weedicide	-	1200
7.	Integrated pest Management	Plant protection chemicals and bio-agents	1600
8.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

4. Cluster Demonstration : Rice -SRI/Line Transplanting with Hybrids-Rice

Farming situation: Midland assured irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ha)
1.	Seed (@10 kg/ha)	Rs. 275/kg	2750
2.	Arhar seed for bund cultivation	2 kg	300
3	Fertilizer (N: P: K) (60:40:20) **	-	To be borne by farmers themselves
4.	Integrated Nutrient Management	Soil test based use of micro nutrient/lime	1450
5.	Weedicide	-	1200
6.	Integrated pest Management	Plant protection chemicals and bio-agents	1000
7.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of Rs. 7500/ha.

5. Cluster Demonstration : Pulses Intercropping of Arhar : Soybean (2:6)

Farming situation: Upland Rainfed Condition.

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ha)
1.	Seed (Arhar @5 kg/ha) seed (Soybean @ 60 kg/ha)	Rs. 135/kg Rs. 64/kg	675 3840
2.	Fertilizer (N: P: K) (20:50:20) **	-	To be borne by farmers themselves
3.	Integrated Nutrient Management including ZnSO4, Sulphur, Borax, Sodium Molybdate, considering soil test value	-	885
4.	Weed Management/Weedicide	Rs 700/ha	700
5.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	Rs 500/ha	500
6.	Rhizobium + PSB culture	Rs. 100/ha	100
7.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

6. Cluster Demonstration : Pulses- Intercropping: Maize/ Moong, Urd: Arhar (2:1)

Farming situation: Upland Rainfed Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Maximum Assistance (Rs./ha)
1.	Seed (Moong, Urd/Maize @ 15 kg/ha) (Arhar @ 4 kg/ha) Including seed treatment		4000
2.	Fertilizer (N: P: K) (20:50:20) **	-	To be borne by farmers themselves
3.	Integrated Nutrient Management including ZnSO4, Sulphur, Borax, Sodium Molybdate, considering soil test value	-	900
4.	Weed Management/Weedicide	Rs 700/ ha	700
5.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	Rs 1000/ha	1000
6.	Rhizobium+PSB culture	Rs. 100/ha	100
7.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
TOTAL			**7500**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of Rs 7500/ha.

B. CROPPING SYSTEM BASED DEMONSTRATIONS

1. CSBD : Rice-Pea /Rice-Gram /Rice -Lathyrus

Farming situation: Rainfed Semi- irrigated/irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Rate Assist. (Rs./ha)	
			Kharif **(Rice)**	***Rabi*** **(Pea)**
1.	Seed Rice- @60 kg/ha+ Arhar 2 kg for bund Pea/gram/lathyrus- @ 80 kg/ha)	Rs. 20/kg- Rice Rs. 50/kg- Pea/ Gram/Lathyrus	1500	4000
2.	Weeder/sprayer/Marker (600+600+700)	50 % of cost	800	1100
3.	Fertilizer (N: P: K) Rice- (60:40:20) ** (Pea/gram/lathyrus- 20:40:20)**	-	To be borne by farmers themselves	
4.	Integrated Nutrient Management	-	1000	850
5.	Weed Management/Weedicide	-	1200	0
6.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	-	600	650
7.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	400	400
	TOTAL		**5500**	**7000**

2. CSBD : Rice-Maize

Farming situation: Rainfed /Semi- irrigated/irrigated Condition.

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Rate Assist. (Rs./ha)	
			Kharif **(Rice)**	***Rabi*** **(Pea)**
1.	Seed Rice- @60 kg/ha+Arhar 2 kg for bund Hybrid Maize @ 20 kg/ha	Rs. 20/kg-Rice Rs. 200/kg- Maize	1500	4000
2.	Fertilizer (N: P: K) Rice- (60:40:20) ** (Maize- 100:60:40)**	-	To be borne by farmers themselves	
3.	Integrated Nutrient Management	-	1000	850
4.	Weed Management/Weedicide	-	1900	1000
5.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	-	600	850
6.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	400	400
	TOTAL		**5400**	**7100**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of Rs. 12500/ha.

3. CSBD : Improved Varieties Vs Local Varieties (Arhar /Urd / Moong)

Farming situation: Upland Rainfed Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	RateAssist. (Rs./ha)
1.	Seed (@20 kg/haincluding seed treatment	Rs. 135/kg	2700
2.	Fertilizer (N: P: K) (20:50:20) **	-	To be borne by farmers themselves
3.	Integrated Nutrient Management including ZnSO4, Sulphur, Borax, Sodium Molybdate, considering soil test value	-	1050
4.	Gypsum	-	1000
5.	Weed Management/Weedicide	Rs 1000/ha	1000
6.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	Rs 850/ha	850
7.	Rhizobium+PSB culture	Rs. 100/ha	100
8.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

4. CSBD : Improved Varieties Vs Local Varieties (Gram/Pea)

Farming situation: Upland Rainfed Condition

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Rate Assist. (Rs./ha)
1.	Seed (@80 kg/haincluding seed treatment	Rs. 50/kg	4000
2.	Fertilizer (N: P: K) (20:50:20) **	-	To be borne by farmers themselves
3.	Integrated Nutrient Management including ZnSO4, Sulphur, Borax, Sodium Molybdate, considering soil test value	-	1050
4.	Weed Management/Weedicide	Rs 1000/ha	700
5.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	Rs 850/ha	850
6.	Rhizobium+PSB culture	Rs. 100/ha	100
7.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	800
	TOTAL		**7500**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of Rs 7500/ha.

5. CSBD : (A) Rice-Gram (B) Rice-Pea (C) Rice-Moong/Urd

Farming situation: Rainfed /Semi-irrigated Condition.

(Amount in Rs.)

S. No.	Activity/Particular	Unit cost	Rate Assist. (Rs./ha)	
			***Kharif* (Rice)**	***Rabi* (Pea)**
1.	Seed (Moong, Urd/Maize @ 15 kg/ha) (Arhar @ 4 kg/ha) Including seed treatment		1500	4000
2.	Weeder/Sprayer/Marker	50% of cost	800	1100
3.	Fertilizer (N: P: K) (Rice-60:40:20) ** (Pea/Gram/Lathyrus-20:40:20)**	-	To be borne by farmers themselves	
4.	Integrated Nutrient Management	-	1000	850
5.	Weed Management/Weedicide	-	1200	0
6.	Integrated pest Management including bio pesticides, Pesticides, Pheromone traps etc.	-	500	590
7.	Rhizobium + PSB culture	-	0	60
8.	Field day/publicity material/visit of scientists/staff	Rs. 800/ha	400	400
	TOTAL		**5400**	**7100**

6. CSBD : Rice-Gram/ Pea/Moong/Urd

Farming situation: Rainfed /Semi-irrigated Condition

(Amount in Rs.)

S. No.	Activity/Particular	Maximum assistances (Rs./ha)	
		Maize	**Millets**
1.	Seed	4000.00	1200.00
3.	Integrated Nutrient Management /Micro nutrients/ Bio-fertilizers	0.00	2000.00
3.	Culture (Rhizobium and PSB)	200.00	0.00
4.	Integrated pest Management Plant protection (pp chemicals or bio-pesticides)	0.00	1000.00
5.	Field day/publicity material/visit of scientists/staff	800.00	800.00
	TOTAL	**5000.00**	**5000.00**

Note: Any amount saved in any above mentioned component can be utilized in other components but not exceeding to upper limit of 5000/ha.

Crop Demonstration Norms under BGREI: Kharif Paddy

(Amount in Rs.)

Activity/ Particular	Direct seeded rice	Line Transplanting	SRI	Stress tolerant varieties	Hybrid Rice
Seed (per ha.)	1000	700	300	700	4000
Sowing (per ha.)	380	980	1380	980	0
Seed Treating Drum (1 No. each 5 ha.)	420	420	420	420	0
Pigeonpea Plantation on Rice Bund (2.5kg/ha)	397	397	397	397	0
Zinc sulphate 25 kg/ha. Or any other micro nutrient as per recommendation by SAU/KVK green manure seed / bio-fertilizer	1800	1500	1500	1500	0
Weedicide (1 pre and 1 post emergence)	1200	1200	1200	1200	1200
IPM (PP chemicals/ Bio Pesticides)	1200	1200	1200	1200	1200
Ambika Paddy Weeder (1 No. each per ha.)	835	835	835	835	835
Demonstration Board, Training, Materials, farmers training, field day, POL, vehicle hiring/ Visit of Scientist/ State Officers and other contingencies.	268	268	268	268	265
Total	**7500**	**7500**	**7500**	**7500**	**7500**

Note: Marginal saving of any, from an item can be utilized in other item as per genuine need restricted to the limit of 10%.

(Annexure-II)

PATTERN OF ASSISTANCE: NFSM –PULSES

S. No.	Intervention	Approved rates /Unit
1.	***Demonstrations on Improved Technologies:**	
	Cluster Demonstrations (of 100 ha each) (Arhar, Urd, Moong, Gram, Lentil,Pea)	Rs.7500/-ha
	Cropping System based Demonstration (Paddy- Gram, Pea, Moong/Urd)	Rs.12500/-ha
	Demo. Intercropping : Arhar+Soyabean, Arhar+Maize, Monng/Urd+Maize	Rs. 7500/-ha
2.	**Production & Distribution of HYVs seed** (Arhar, Urd, Moong, Gram, Lentil, Pea)	Rs.2500/-Qtl.
3.	**Integrate Nutrient Management:**	
	Micro-nutrients	Rs.500/-ha or 50% of the cost whichever is less
	Gypsum/80% WG Sulphur	Rs.750/-ha or 50% of the cost whichever is less
	Lime	Rs.1000/-ha or 50% of the cost whichever is less
	Bio-fertilizers	Rs.300/-ha or 50% of the cost whichever is less
4.	**Integrated Pest Management (IPM)**	
	Distribution of PP Chemicals	Rs.500/-ha or 50% of the cost whichever is less
	Weedicides	Rs.500/-ha or 50% of the cost whichever is less
5A.	**Resource Conservation Technologies/Tools:**	
	Manual Sprayer	Rs. 600/Unit or 50% of the cost whichever is less
	Power Knap Sack Sprayer	Rs.3000/Unit or 50% of the cost whichever is less
	Zero Till Seed Drills	Rs.15000/Unit or 50% of the cost whichever is less
	Multi Crop Planters	Rs.15000/Unit or 50% of the cost whichever is less
	Seed Drills	Rs.15000/Unit or 50% of the cost whichever is less
	Zero Till Multi -Crop Planters	Rs.15000/Unit or 50% of the cost whichever is less
	Ridge Furrow Planter	Rs.15000/Unit or 50% of the cost whichever is less
	Chiseller	Rs.8000/Unit or 50% of the cost whichever is less
	Rotavator	Rs.35000/Unit or 50% of the cost whichever is less
	Laser Land Leveler	Rs.150000/Unit or 50% of the cost whichever is less
	Tractor mounted sprayer	Rs. 10000/Unit or 50% of the cost whichever is less
	Multi crop thresher	Rs. 40000/Unit or 50% of the cost whichever is less
5B.	**Other machinery approved by SMAM**	
	Distribution power Tiller (8 BHP and above)	Rs. 75000/Unit for SC/ST, Small & Marginal Farmers, Women & Rs. 60000/Unit for other beneficiary or 50% of the cost whichever is less
6.	**Efficient Water Application Tools:**	
	Sprinkler Sets	Rs.10000/ ha or 50% of the cost whichever is less
	Pump Sets	Rs.10000/Unit or 50% of the cost whichever is less
	Pipe for carrying water from source to the field	50 to 70 mm maximum cost Rs. 32/meter subsidy RS. 50% Max. Rs 16/ m as per CG Rajya Beej evam Krishi Vikash Nigam Ltd. Approved Rate
	Mobile Rain gun	Rs. 15000/Unit or 50% of the cost whichever is less
7.	**Cropping System based trainings**	Rs.3500/ Sess. Rs.14000/ Training

8.	**Miscellaneous Expenses :**	
	PMT & Other Misc. Exp. at District Level	
	PMT & Other Misc. Exp. at State Level	
9.	**Local Initiative**	
	Constrictions of Godowns	Maximum Rs. 1500000 or 50% of the cost whichever is less
	Distribution of set of Mini mills	Rs. 100000/Unit
10.	**Other Initiatives**	
	Demonstrations by (KVK)/NGOs	Rs.7500/ha

PATTERN OF ASSISTANCE: NFSM- RICE

S. No.	Name of Interventions	Pattern of Assistance
1.	**Cluster Demonstrations by State Department of Agri. With the technical backstopping of ICAR/SAUs/IRRI (One Cluster of 100 ha)**	
	Cluster Demonstrations on DSR	Rs.7500 per ha
	Cluster Demo. on Line transplanting	Rs.7500 per ha
	Cluster Demonstrations on SRI	Rs.7500 per ha
	Cluster Demo. on Hybrid Rice	Rs.7500 per ha
	Demo. on Stress tolerant var.	Rs.7500 per ha
	Cropping system based Demonstrations	Rs.12500 per ha
2.	**Seed Distribution**	
	High Yielding Varieties of Rice	Rs.1000/q or 50% of the cost whichever is less
	Hybrid Rice Seed	Rs. 5000/q or 50% of the cost whichever is less
3.	**A. Soil & Plant Protection Management**	
	Micronutrients	Rs. 500/ha or 50% of the cost whichever is less
	Lime	Rs.1000/q or 50% of the cost whichever is less
	B. Plant Protection Management	
	PP Chemicals & bio agents	Rs. 500/ha or 50% of the cost whichever is less
	Weedicides	Rs. 500/ha or 50% of the cost whichever is less
4.	**Resource Conservation Techniques/Tools**	
	A. Under NFSM	
	Cono-weeder	Rs.600/ unit or 50% of the cost whichever is less
	Manual Sprayer	Rs.600/ unit or 50% of the cost whichever is less
	Power Sprayer	Rs.3000/ unit or 50% of the cost whichever is less
	Seed drills	Rs.15000/ unit or 50% of the cost whichever is less
	Multi crop Planter	Rs.15000/ unit or 50% of the cost whichever is less
	Power weeder	Rs.15000/ unit or 50% of the cost whichever is less
	Zero Till Multi Crop Planter	Rs.15000/ unit or 50% of the cost whichever is less
	Drum Seeder in rice	Rs.1500/ unit or 50% of the cost whichever is less
	Rotavators /turbo seeder	Rs.35000/ unit or 50% of the cost whichever is less
	Laser Land Leveler	Rs.150000/ unit or 50% of the cost whichever is less
	Paddy Thresher/Multi crop thresher	Rs.40000/unit or 50% of the cost whichever is less
	Self Propelled Paddy Transplanter	Rs.75000/unit or 50% of the cost whichever is less
	B. Other machinery approved under SAMA (As per approved norms of SMAM)	
	Distribution power Tiller (8 BHP and above)	Rs. 75000/Unit for SC/ST, Small & Marginal Farmers, Women & Rs. 60000/Unit for other beneficiary or 50% of the cost whichever is less

5.	**Water Application Tools**	
	Pump Sets	Rs. 10000/Unit or 50% of the cost whichever is less
	Pipe for carrying water from source to the field	50 to 70 mm maximum cost Rs. 32/meter subsidy RS. 50% Max. Rs 16/ m as per CG Rajya Beej Evam Krishi Vikash Nigam Ltd. Approved Rate
6.	**Cropping System based trainings**	Rs.3500/ Sess. Rs.14000/ Trai.
7.	**Miscellaneous Expenses :**	
	PMT & Other Misc. Exp. at District Level	
	PMT & Other Misc. Exp. at State Level	
8.	**Local Initiative**	
	Constrictions of Godowns	Maximum Rs. 1500000 or 50% of the cost whichever is less
	Water Harvesting Structure (20mx20mx3m) as per NHM Norms	Maximum 50% subsidy Rs. 7500000 per farmers
9.	**Other Initiative**	
	Demonstrations by NGOs	Rs. 7500/ha
	Assistance of Custom Hiring Centers	Rs. 1500/ha

PATTERN OF ASSISTANCE: NFSM- COARSE CEREALS

S. No.	Name of Interventions	Pattern of Assistance
1.	**Demonstrations**	
	A. Improved packages	
	Coarse cereals- Maize, Jowar, Bajra, Kodo-Kutki	Rs.5000/ ha
	Demo. on Intercropping	Rs.5000 / ha
2.	**Distribution of Certified Seed**	
	Hybrids Seeds	Rs.5000/q or 50% of the cost whichever is less
	HYV Seeds	Rs.1500/q or 50% of the cost whichever is less

(Annexure-III)

IMPLEMENT-WISE SUBSIDY PATTERN (XIIth plan)

S. No.	Implement	Unit	Rate of Assistance (Subsidy amount/unit)
1.	Zero till seed drill	Nos.	Rs. 15000 or 50% of the cost whichever is less
2.	Multi crop planter	Nos.	Rs. 15000 or 50% of the cost whichever is less
3.	Seed Drill	Nos.	Rs. 15000 or 50% of the cost whichever is less
4.	Zero till multi crop planter	Nos.	Rs. 15000 or 50% of the cost whichever is less
5.	Ridge furrow planter	Nos.	Rs. 15000 or 50% of the cost whichever is less
6.	Rotavator	Nos.	Rs. 35000 or 50% of the cost whichever is less
7.	Chiseller	Nos.	Rs. 8000 or 50% of the cost whichever is less
8.	Laser Land Leveller	Nos.	Rs.1.50 lakh per machine to a **Group of 10 Farmers**
9.	Tractor Mounted Sprayer	Nos.	Rs. 10000 or 50% of the cost whichever is less
10.	Multi crop thresher	Nos.	Rs. 40000 or 50% of the cost whichever is less
11.	Sprinkler sets.	Hac.	Rs. 10,000 or 50% of the cost whichever is less
12.	Pump sets upto 10 HP	Nos.	Rs. 10,000 or 50% of the cost whichever is less
13.	Pipe for carrying water from source to field	Meters	@ 50% of the cost limited to RS. 50/ m for HDPE pipes, RS. 35 / m for PVC pipes & Rs 20/ m for HDPE laminated woven lay flat tubes with maximum ceiling of Rs. 15000 per beneficiary for water carrying pipes.
14.	Mobile Raingun	Nos.	Rs. 15,000 or 50% of the cost whichever is less
15.	Power knap sack sprayer	Nos.	Rs. 3000 or 50% of the cost whichever is less
16.	Manual sprayers	Nos.	Rs. 600 or 50% of the cost whichever is less

SUBSIDY PATTERN UNDER NFSM IMPLEMENTS

(Rs. In lakhs)

Name of Implement	NFSM (Max. Subsidy 50%)	SC/ST/small/marginal/women farmers (Max. subsidy 50%)	Other farmers (Max. subsidy 40 %)
Multi-crop Planter	0.15	0.63	0.50
Seed Drill	0.15	0.44	0.35
Power Weeder	0.15	0.19	0.15
Zero-till-Multi-crop Planter	0.15	0.44	
Rotavator	0.35	0.63	0.50
Laser land leveller	1.50	0.63	0.50
Paddy Thresher/ Multi-crop Thresher	0.40	0.63	0.50
Paddy Transplanter	0.75	0.94 (4 row), 2.0 (above 4 row)	0.75 (4 row) 2.0 (above 4 row)

Area (ha)	Sprinkler System (Pipe + Nozal)	Unit Cost	Maximum Subsidy	
			Small/Marginal (60%)	Large (40%)
1	30 + 5	19600	11760	7840
2	41 + 9	39200	19847	13231
3	41 + 11	42466	-	14034
4	52 + 14	57166	-	17670
5	52 + 14	69416	-	19999

Implements Image:

		
Zero till seed drill (use in conservation Agri.& sowing crop seeds without pre-ploughing)	**Multi crop planter** (Plating all types of seeds e.g. POC&CoC)	**Seed Drill** (sowing seeds with specific distance)
		
Zero till multi crop planter (plant different crops with variable seed size, seed rate, depth, spacing etc.)	**Ridge furrow planter** (planting seeds/tubers on ridges & to make furrows with specific dist.)	**Rotavator** (Break & turn the soil upto 9” in depth)

		
Chiseller (Deep Ploughing , Function: Loosen & Aerated the soil by break hard pans of soil)	**Laser Land Leveller (**Leveling the field within certain degree)	**Sprinkler sets** (Control irrigation water from seepage and evaporation)
		
Pump sets upto 10 HP (Irrigation)	**Reaper** (Crop cutting)	Pipes (carrying water from source to field)
		
Tractor Mounted Sprayer	Multi crop thresher (Threshing all type of grains)	Mobile Raingun (spray water at high pressure)

	
Power knap sack sprayer	Manual sprayers

(Annexure-IV)

PHYSICAL AND FINANCIAL PROGRESS DURING 2017-18

1. NFSM-RICE

Month-January 2017-18 **(Rs. In lakh)**

S. No.	Intervention	Approved rate of assistance	Unit	Physical		Financial	
				Target	Achi.	Target	Achi.
1	**Cluster demonstration by state department of agriculture (one cluster of 100 ha).**						
(i)	Direct seeded Rice	Rs. 7500/ha	ha	2500	1600	187.50	120.00
(ii)	Rice Line Transplanting		ha	2870	1470	215.25	110.25
(iii)	Rice SRI		ha	1700	1000	127.500	75.00
	Sub Total a(i) to a (iii)			**7070**	**4070**	**530.25**	**305.25**
(b)	Cluster demonstrations on hybrid rice (one cluster of 100 ha)	Rs. 7500/ha	ha	7501	6001	562.58	450.08
(c)	Demonstrations on stress tolerance variety	Rs. 7500/ ha	ha	1600	1000	120.00	75.00
(d)	Cropping System based demo						
(i)	Rice-Gram	Rs. 12500/ha	ha	2000	1400	250.00	156.25
(ii)	Rice-pea	Rs. 12500/ ha	ha	2000	1500	250.00	150.00
(iii)	Rice-Maize	Rs. 12500/ha	ha	3500	2350	437.50	275.00
	Sub Total d (i) to d (iii)			**7500**	**5250**	**937.500**	**581.250**
	Sub Total 1 (a to d)			**23671**	**16321**	**2150.33**	**1411.58**
2	**Seed distribution:**						
(a)	Hybrid Rice	Rs. 5000/Qtl	Qtls	4000	782	200.00	39.10
(b)	HYV Seed	Rs. 1000/Qtl	Qtls	87466	14420	874.66	144.20
	Sub Total 2 (a) to 2 (b)			**91466**	**15202**	**1074.66**	**183.30**
3	**Plant and soil protection management:**						
(a)	Micronutrients	Rs. 500/ha	ha	50762	32450	253.81	121.50
(b)	Liming in acidic soils	Rs. 1000/ ha	ha	3500	800	35.00	8.76
	Sub Total 3 (a) to 3 (b)			**54262**	**33250**	**288.81**	**130.26**
(c)	Plant protection chemicals and bio-agents	Rs. 500/ ha	ha	61000	39860	305.00	177.42
(d)	Weedicides	Rs. 500/ ha	ha	42512	19437	213.06	86.43
	Sub Total 3 (c) to 3 (d)			**103512**	**59297**	**518.06**	**263.85**
	Sub Total (a) to 3 (d)			**157774**	**92547**	**806.87**	**394.11**
4	**A. Resource conservation techniques/ tools unde NFSM**						
(a)	Conoweeders	Rs. 600/Unit	Nos.	1991	0	11.95	0.00
(b)	Manual Sprayer	Rs. 600/Unit	Nos.	32015	10642	192.09	63.85
(c)	Power Knap sack sprayers /Foot sprayer	Rs. 3000/Unit	Nos.	3000	344	90.00	10.32
(d)	Multi crop planters	Rs. 15000/Unit	Nos.	15	0	2.25	0.00
(e)	Seed drills	Rs. 15000/Unit	Nos.	493	3	73.95	0.45
(f)	Power weeders	Rs. 15000/Unit	Nos.	15	0	2.25	0.00
(g)	Zero till multi crop planters	Rs. 15000/Unit	Nos.	10	0	1.50	0.00
(h)	Drum seeder	Rs. 1500/Unit	Nos.	50	0	0.75	0.00
(i)	Rotavators	Rs. 35000/Unit	Nos.	381	39	133.35	13.91
(j)	Laser land levelers	Rs. 150000/Unit	Nos.	0	0	0.00	0.00
(k)	Paddy thresher/multi-crop thresher	Rs. 40000/Unit	Nos.	330	1	132.00	0.400
(l)	Self propelled Paddy transplanter	Rs. 75000/Unit	Nos.	30	0	22.50	0.00
	SubTotal 4 (a) to (l)					**662.59**	**88.93**

S. No.	Interventions	Approved rate of assistance	Unit	Total Phy. & Fin.			
				Physical		Financial	
				Target	Achi.	Target	Achi.
4	**(B) Other Machinery Approved under SMAM(Sub-Mission on Agriculture Mechanisation)**						
	(a) Distribution of Power Tiller **(8 BHP & above)**	Rs 75000 for SC,ST,Small& Marginal Farmers,Women and Rs. 60000/Unit for oterbenificiary or 50% of cost whichever is less	Nos.	94	0	63.15	0.00
	Total Machinery (4a + 4b)			**94**	**0**	**63.15**	**0.00**
5	**Water Application Tools**						
	(a) Incentive for pump sets	Rs. 10000/Unit	Nos.	350	6	35.00	0.60
	(b) Pipe for carrying water from source to the field	50 to 70 mm max cost Rs 32.0 per meter subsidy 50% maximum Rs 16 per m as per C.G Rajaybeejevamkrishivikasnigam Ltd approved Rate	mtr.	92060	12000	46.03	6.00
	Sub Total 5(a) To 5(b)					**81.03**	**6.600**
	Sub Total 4 To 5					**806.77**	**95.53**
6	**Cropping system based trainings** (four sessions).						
		Rs. 3500/- session, Rs. 14000/- training	Nos.	385	311	53.90	40.04
	Sub Total 6			**385**	**311**	**53.90**	**40.04**
7	**Miscellaneous expenses:**						
	(a) Project management team and other miscellaneous expenses at district level			0	0	0.00	0.00
	(b) Project management team and other miscellaneous expenses at State level			0	**0**	**0.00**	**0.00**
	Sub Total 7(a) To 7(b)			**0**	**0**	**0.00**	**0.00**
8	**Local initiatives**						
	(a) Construction of Godowns	Maximum Rs 1.50 lakh or 50% of cost whichever is less	Nos.	200	100	300.00	150.00
	(b)Reaper for SC/ST farmers	50% of cost or Rs 63000/- for SC/ST/ Small & Marginal farmers/ women farmers	Nos.	125	1	78.75	0.600
	(c)Reaper for General farmers	40% of cost or Rs. 50000/- for other beneficiaries	Nos.	210	0	105.00	0.00
	Sub Total 8(a) To 8(b)			**535**	**101**	**483.75**	**150.60**
9	**Other Initiatives**						
	(a) Demonstration by NGOs	Rs. 8250 ha	ha	0	0	0.00	0.00
	(b) Assistance for custom hiring	Rs. 1500/ha	ha	0	0	0.00	0.00
	(c) Specialized projects			0	0	0.00	0.00
	Grand Total					**5376.27**	**2275.15**

2. NFSM-PULSES

Month-January 2017-18 **(Rs. In lakh)**

S. No.	Interventions	Approved rate of assistance	Unit	Physical		Financial	
				Target	Achi.	Target	Achi.
1.	**(a) Cluster Demonstrations (of 100 ha each)**	**Rs. 7500/ha**	**ha**	**11768**	**11755**	**882.60**	**382.19**
(a)	Arhar			1000	1000	75.00	70.00
(b)	Gram			5500	5500	412.50	71.56
(c)	Urd			2000	1892	150.00	111.90
(d)	Moong			2068	2363	155.10	109.73
(e)	Pea			1400	1300	105.00	80.25
	(b) Demo. on Intercropping	**Rs. 7500/ha**	**ha**	**2000**	**1800**	**150.00**	**135.00**
(i)	Arhar+Soybean			400	400	30.00	30.00
(ii)	Arhar +Maize			800	800	60.00	60.00
(iii)	Moong/Urd+ Maize			800	600	60.00	45.00
(c)	**Cropping system based demonstrations**	**Rs. 12500/ha**	**ha**	**4734**	**4534**	**591.75**	**347.55**
	(Name the crop Sequences)						
(i)	Rice-Gram			3265	3065	408.13	244.88
(ii)	Rice-pea			769	769	96.13	50.18
(iii)	Rice-moong/urd			700	700	87.50	52.50
	Sub-Total 1 (a) and 1 (c)			**18502**	**18089**	**1624.35**	**864.74**
2	**Production and Distribution of HYVs seeds:**						
	Assistance for seed Production	**Rs. 2500/qtl**	**Qtl**	**26488**	**9718**	**662.20**	**114.58**
(a)	Arhar			500	993	125.00	20
(b)	Gram			16488	7054	412.20	77.22
(c)	Urd			1000	620	25.00	11.59
(d)	Moong			1000	468	25.00	6.00
(e)	Lentil			500	50	12.50	0.00
(f)	Pea			2500	533	62.50	0.00
2	**Distribution of HYVs Seeds**	**Rs. 2500/qtl**	**Qtl**	**26488**	**11377**	**662.201**	**54.90**
(a)	Arhar			5000	549	175.00	29.79
(b)	Gram			16488	9567	412	24.27
(c)	Urd			1000	1177	25.00	25.00
(d)	Moong			1000	62	25	0.00
(e)	Lentil			500	0	12.50	0
(f)	Pea			2500	22	62.50	0.21
	Sub Total Seed Distribution and Production			**52976**	**21095**	**1324.40**	**169.48**
3	**Integrated Nutrient Management (INM)**						
(a)	Micro-nutrients	Rs. 500/ ha	ha	55603	46295	278.01	124.11
(b)	Gypsum/ 80% WG Sulphur	Rs. 750/ha	ha	3500	2250	26.25	15.75
(c)	Lime	Rs. 1000/ ha	ha	3502	2610	35.02	15.02
(d)	Bio-fertilizers	Rs. 300/ha	ha	45000	33521	135.00	38.31
	Sub Total INM 3 (a) to 3 (d)			**107605**	**84676**	**474.28**	**193.19**
4	**Integrated Pest Management (IPM)**						
(a)	Distribution of PP chemicals	Rs. 500/ha	ha	53340	42282	266.70	117.84
(b)	Weedicides	Rs. 500/ha	ha	45000	34733	225.00	84.16
	Sub Total 4 (a) and 4 (b)			**98340**	**77015**	**491.70**	**202.00**
	Sub Total 3 and 4			**205945**	**161691**	**965.98**	**395.193**

5	**Resource conservation technologies /tools**						
(a)	Manual Sprayer	Rs. 600/Unit	Nos.	20396	7940	122.38	22.92
(b)	Power Knap sack sprayers	Rs. 3000/Unit	Nos.	3935	125	118.05	6.58
(c)	Zero till seed drills	Rs. 15000/Unit	Nos.	20	0	0.00	0.00
(d)	Multi crop planters	Rs. 15000/Unit	Nos.	13	0	1.95	0.00
(e)	Seed drills	Rs. 15000/Unit	Nos.	304	9	45.60	1.35
(f)	Rotavators	Rs. 35000/Unit	Nos.	262	17	91.70	4.90
(g)	Multi crop thesher	Rs. 40000/Unit	Nos.	150	16	60.00	4.40
	Sub Total 5 (a) to 5 (g)			**25080**	**8107**	**442.68**	**40.15**

S. No	Interventions	Approved rate of assistance	Unit	Physical		Financial	
				Target	Achi.	Target	Achi.
	(B) Other Machinery Approved under SMAM (Sub-Mission on Agriculture Mechanisation)						
	(iii) Distribution of Power Tiller (8 BHP & Above)	Rs 75000 for SC,ST,S. & M. Farmers, Women and Rs. 60000/Unit for other beneficiary or 50% of cost whichever is less	Nos.	47	2	29.70	1.35
6	**Efficient Water Application Tools**						
(a)	Sprinkler sets	Rs. 10000/ha	ha	1000	80	100	6.00
(b)	Pump sets	Rs. 10000/Unit	Nos.	479	16	47.90	1.50
(c)	Pipe for carrying water from source to the field	50 to 70 mm max cost Rs 32.0 per meter subsidy 50% maximum Rs 16 per m as per C.G Rajaybeejevamkrishivikasnigam Ltd approved Rate	Mtr.	169798	152080	84.90	24.50
(d)	Mobile Rainguns	Rs. 15000/Unit	Nos.	16	0	2.40	0.00
	Sub Total 6 (a) to 6 (d)					**235.20**	**32.00**
	Sub Total 5 to 6					**707.58**	**73.50**
7	**Cropping system based trainings** (4 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.	318	229	44.52	22.40
8	**Miscellaneous expenses:**						
	(a) Project management team and other miscellaneous expenses at district level	Rs. 12.058 Lakh per district	No. of Dist.	0	2	205.00	34.86
	(b) Project management team and other miscellaneous expenses at state level	-	-		0	17.00	4.50
	Sub-Total 8 (a) to 8 (b)					**222.00**	**39.36**
9	**Local initiatives**						
	(a) Construction of Godowns	Maximum Rs 1.50 Lakh or 50% of the cost whichever is less	Nos.	252	100	378.00	132.00
	(b)Reaper	Rs.63000/unit for SC,ST, Small & Marginal farmers, Women & Rs. 50000/unit for other beneficiary or 50 % of cost	Nos.	0	0		
		Sub-Total 9(a) to 9(b)		**252**	**100**	**378.00**	**132.00**
	Total Financial (1 to 10)					**5266.83**	**1696.67**

3. NFSM-ADDITIONAL PULSES

Month-January 2017-18 **(Rs. In lakh)**

S. No	Interventions	Approved rate of assistance	Unit	Total Phy. & Fin.			
				Physical		Financial	
				Target	Achi.	Target	Achi.
1	**Demonstration on improved technologies:**						
	(a) Cluster Demonstrations (of 100 ha each)						
	Arhar	**Rs. 7500/ha**	ha	14200	14400	1065.00	75.79
	Gram		ha	2200	1500	165.00	11.85
	Urd		ha	1900	1300	142.50	3.75
	Moong		ha	200	100	15.00	0.00
	Pea		ha	1200	900	90.00	20.65
	Sub-Total (a)			14100	13500	1057.50	245.10
	(b) Demonstration on Intercropping						
	Moong/ Urd+ Maize	**Rs. 7500/ha**	ha	100	700	75.00	0.00
	Sub-Total 1 (a) and 1 (b)			**15100**	**14200**	**1133**	**106.41**
2	**(b) Distribution of HYVs Seeds**						
	Arhar	**Rs. 2500/qtl**		50	20	1.25	0.00
	Moong			1000	324	25.00	0.00
	Urd			1000	369	25.00	0.00
	Gram			8000	4954	200.00	47.13
	Lentil			2000	100	50.00	0.00
	Pea			2000	667	50.00	0.00
	Sub-Total 2			**14050**	**6434**	**351.25**	**47.13**
3	**Integrated Nutrient Management(INM)**						
	Micro-nutrients	Rs. 500/ha	ha	31000	20047	155.00	53.91
	Gypsum/ 80 % WG Sulphur	Rs. 750/ha	ha	3500	2349	26.25	1.86
	Lime	Rs. 100/ha	ha	12000	8406	120.00	12.88
	Bio- fertilizers	Rs. 300/ha	ha	25000	18313	75.00	11.47
	Sub-Total 3			**71500**	**49115**	**376.25**	**80.12**
4	**Integrated Pest Management(IPM)**						
	Distribution of PP chemicals	Rs. 500/ha	ha	30000	18051	150.00	31.66
	Weedicides	Rs. 500/ha	ha	10000	3696	50.00	5.48
	Sub Total 4			**40000**	**21747**	**200.00**	**37.14**
	Sub Total 3 and 4			**111500**	**70862**	**576.25**	**117.26**
5	**Farm Implements**						
	Manual Sprayer	Rs. 600/Unit	Nos.	30000	8000	180.00	12.00
	Seed drills	Rs. 15000/Unit	Nos.	400	0	60.00	0.00
	Sub Total 5			**30400**	**8000**	**240.00**	**12.00**
6	**Water Saving Device**						
	Sprinkler sets	Rs. 10000/ha	ha	1500	0.00	150.00	0.00
	Pump Sets	Rs. 10000/unit	Nos.	700	0.00	70.00	0.00
	Pipe for carrying water from source to the field	50 % of the cost limited to Rs. 50/- per meter for HDPE pipes, maximum celing of Rs. 15000/- per farmer/ beneficiary for water carrying pipe	Mtr.	110000	9480	55.00	0.00
	Sub Total 6					**275.00**	**0.00**
	Total Financial					**2575.00**	**282.80**

4. NFSM-Coarse Cereals

Month-January 2017-18 **(Rs. In lakh)**

S. No	Interventions	Approved rate of assistance	Unit	Physical		Financial	
				Target	Achi.	Target	Achi.
1	**Demonstration on improved package:**						
	(i) Maize	Rs. 5000/ha	ha	3420	2850	171.00	109.88
	(ii) Finger millet			300	250	15.00	7.50
	(iii) Kodo			300	100	15.00	10.00
	Sub Total (i) to (iii)			**4020**	**3200**	**201.00**	**127.38**
2	**Distribution of certified seeds:**						
	(a) HYVs Seeds	Rs. 1500	Qtl	1000	54	15.00	0.75
	(b) Hybrid Seeds	Rs. 5000	Qtl	1435	785	71.75	29.20
	Sub Total 2(a) and 2(b)			**2435**	**839**	**86.75**	**29.95**
	Total Financial (1 to 2)					**287.75**	**157.33**

(Annexure-V)

Commodity-Wise Financial Targets & Achievement during XIth Plan & XIIth Plan: CHATTISGARH

(Rs. in Crore)

Comp.	2007-08			2008-09			2009-10			2010-11			2011-12			XIth Plan Total		
	Alloc.	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**
Pulses	9.63	9.63	1.96	40.75	42.65	33.90			13.22	5.33	5.33	6.97	14.88	22.45	13.36	70.60	80.06	69.40
Rice	4.41	4.41	0.00	27.10	29.00	20.61	20.66	20.66	20.09	5.46	5.46	14.23	34.48	30.00	27.14	92.11	89.53	82.07
Total	**14.04**	**14.04**	**1.96**	**67.85**	**71.64**	**54.51**	**20.66**	**20.66**	**33.31**	**10.80**	**10.80**	**21.20**	**49.36**	**52.45**	**40.49**	**162.71**	**169.59**	**151.47**

(Rs. in Crore)

Comp.	2012-13			2013-14			2014-15			2015-16			2016-17			XIIth Plan Total		
	Alloc.	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**	**Alloc.**	**Rel.**	**Exp.**
Pulses	21.10	12.35	18.30	27.98	23.27	18.84	42.53	21.26	24.24	59.29	37.92	45.99	77.30	46.23	50.60	228.2	141.03	157.97
Rice	40.63	30.48	24.34	54.82	41.22	37.38	51.50	25.75	28.21	72.24	36.12	49.61	46.59	40.14	29.53	265.78	173.71	169.07
Coarse Cereals							1.86	0.93	0.57	1.94	0.97	1.36	2.60	2.60	1.57	6.4	4.5	3.5
Total	**61.72**	**42.82**	**42.64**	**82.80**	**64.50**	**56.22**	**95.88**	**47.94**	**53.01**	**133.47**	**75.00**	**96.96**	**126.49**	**88.96**	**81.71**	**500.36**	**319.22**	**330.54**

NFSM-FINANCIAL PROGRESS (2017-18) *(Upto Feb)*

Comp.	Pulses (27)			Rice (13)			Coarse Cereals (09)			Addn. Pulses (27)			Total		
	T	A	%	T	A	%	T	A	%	T	A	%	T	A	%
Demo.(ha)	1624	865	***53***	2150	1412	***66***	201	127	***63***	1133	374	***33***	*5109*	*2778*	***54***
Prod. & dist. of Seeds (Qtls)	1324.4	169.48	***13***	1075	183	***17***	87	30	***35***	351	55	***16***	*2175*	*323*	***15***
INM (ha)	474	193	***41***	289	130	***45***				376	139	***37***	*1139*	*462*	***41***
IPM (ha)	492	202	***41***	518	264	***51***				200	71	***36***	*1210*	*537*	***44***
RCT (Nos.)	472	42	***9***	726	89	***12***				240	12	***5***	*1438*	*142*	***10***
CSBT (Nos)	45	22	***50***	54	40	***74***							*98*	*62*	***63***

NFSM- PHYSICAL PROGRESS (2017-18)

Component	Pulses (27)			Rice (13)			Coarse Cereals (09)			Addn. Pulses (27)			Total		
	T	A	%	T	A	%	T	A	%	T	A	%	T	A	%
Demo.(ha)	18502	18089	***98***	23671	16321	***69***	4020	3200	***80***	15100	15000	**99**	61293	52610	**86**
Prod. & dist. of Seeds (Qtls)	52976	21095	***40***	91466	15202	***17***	2435	839	***34***	14050	6476	**46**	160927	43612	**27**
INM (ha)	107605	84676	***79***	54262	33250	***61***	-	-	-	71500	56986	**80**	233367	174912	**75**
IPM (ha)	98340	77015	***78***	103512	59297	***57***	-	-	-	40000	23455	**59**	241852	159767	**66**
RCT (Nos.)	25127	8109	***32***	38424	11029	***29***	-	-	-	30400	9000	**30**	93951	28138	**30**
CSBT (Nos)	318	229	***72***	385	311	***81***	-	-	-	-	-		703	540	**77**

BGREI-RICE:COMPONENT-WISE PROGRESS (2017-18) **(*Up to Feb.*)**

Component	Physical			Financial (Rs. in Lakh)		
	Target	**Achievement**	**%**	**Target**	**Achievement**	**%**
Cluster Demo (ha)	49136	49136	***100***	4442.00	3582.22	***81***
Seed Prod (q)	43525	95591	***220***	555.25	439.31	***79***
Seed Distr (q)	91050	88294	***97***	1110.50	655.68	***59***
INM (ha)	127550	126100	***99***	555.25	496.37	***89***
IPM (ha)	88840	82750	***93***	444.20	392.82	***88***
Machinery (Nos)	58492	19908	***34***	2101	128.70	***6***
Infrastructure (Nos)	71	65	***92***	1112.50	570.81	***51***
Training (Nos)	793	398	***50***	111.02	29.96	***27***

BGREI- WHEAT- COMPONENT-WISE PROGRESS (2017-18) **(*Up to Feb.*)**

Component	Physical			Financial (Rs. in Lakh)		
	Target	**Achievement**	**%**	**Target**	**Achievement**	**%**
Cluster Demo (ha)	4833	5533	***114***	362.48	134.27	***37***
Seed Prod (q)	3625	804	***22***	36.25	0.00	***0***
Seed Distr (q)	10875	2926	***27***	108.75	0.00	***0***
INM (ha)	8750	7300	***83***	36.25	14.13	***39***
IPM (ha)	5800	4813	***83***	29.00	8.85	***31***
Machinery (Nos)	967	0.00	***0***	145.00	0.00	***0***
Training (Nos)	52	32.00	***62***	7.25	0.98	***14***

CG: NMOOP **(*As on Feb.*)**

Item/ component	Physical			Financial (Rs. in Lakh)		
	Target	**Achiv.**	**%**	**Target**	**Achiv.**	**%**
Seed Production (Qtls)	3452	2336	**68**	47.71	18.90	**40**
Seed Distribution (Qtls)	13150	8020	**61**	329.33	200.45	**61**
ToT-Block Demo. (ha)	1880	1440	**77**	167.13	49.43	**30**
Production Input	16132	32765	**203**	57.38	5.41	**9**
Farm Mach. tools & others	2216	1243	**56**	139.98	28.45	**20**
District Covered	**MM-II: 11 distt.**			**MM-III : 03 distt.**		

(Annexure-VI)

CG STATE: CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSES 2016-17

Name of KVK	Name of Crop	Allocation			status		
		Area (ha)	No. of Demo	Budget (in Rs.)	Area (ha)	No. of Demo	Budget (in Rs.)
Rajnandgaon	Blackgram	40	100	300000	40	100	Not released yet
	Chickpea	40	100	300000	40	100	"------do----"
	Lathyrus	30	75	225000	-	-	"------do----"
	Pigeonpea	15	37	112500	15	37	"------do----"
	Lentil	20	50	150000	20	50	"------do----"
Bastar	Chickpea	30	75	225000	30	75	"------do----"
	Fieldpea	30	75	225000	30	75	"------do----"
	Greengram	20	50	150000	20	50	"------do----"
Dhamtari	Chickpea	40	100	300000	40	100	"------do----"
	Lathyrus	40	100	300000	40	100	"------do----"
Kanker	Chickpea	40	100	300000	40	100	"------do----"
	Lentil	20	50	150000	20	50	"------do----"

CROP WISE SUMMARY OF CLUSTER FLDS OF RABI PULSES

State	Crop	Allocation			Conducted		
		Area (in ha)	No. of Demo	Budget (in Rs.)	Area (in ha)	No. of Demo	Budget (in Rs.)
CG	Blackgram	50	125	375000	50	125	Not released yet
	Chickpea	590	1475	4425000	590	1475	"------do----"
	Fieldpea	130	325	975000	130	325	"------do----"
	Greengram	60	150	450000	60	150	"------do----"
	Lentil	190	475	1425000	190	475	"------do----"
	Lathyrus	180	450	1350000	150	375	"------do----"
	Pigeonpea	60	150	450000	60	150	"------do----"
Total		**1260**	**3150**	**9450000**	**1230**	**3075**	"------do----"

Source: ATARI, Jabalpur

CG STATE: CLUSTER DEMONSTRATION OF RABI UNDER NMOOP (OILSEED) 2016-17

Name of KVK	Crop	Area allotted (ha)	No. of Demo	Budget (Rs.)	Area Conducted (Ha)	Conducted Demo.
Baster	Linseed	0	0	0	50	125
	Mustard	30	75	90000	0	0
Kanker	Linseed		0	0	30	75
	Mustard	30	75	90000	0	0
Dhamtari	Linseed	30	75	90000	30	25
Rajnandgaon	Mustard	30	75	90000	30	75
State Total		**810**	**2025**	**2460000**	**890**	**2132**

CROP WISE SUMMARY OF CLUSTER DEMONSTRATION OF RABI OILSEED

Crop	Allocation		Conducted	
	Area (in ha)	No. of Demo.	Area (in ha)	No. of Demo.
Linseed	300	750	410	952
Mustard	450	1125	390	955
Sesame	30	75	90	225
Sunflower	30	75		
	810	**2025**	**890**	**2132**

Source: ATARI, Jabalpur

(Annexure-VII)

SEED MINIKIT RABI/SUMMER 2017-18

District	Allocation Minikits by Govt. of India															
	NFSM								NMOOP						Grand Total	
	Chickpea		Lentil		Urdbean		Total		Mustard		Linseed		Total			
	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)
Bemetra	3025	484.00	100	8.00	-	-	3125	492.00	900	1.80	400	8.00	1300	9.80	4425	501.80
Kawardha	2725	436.00	430	34.40	125	5.00	3280	475.40	3000	60.00	700	14.00	3700	74.00	6980	549.40
Bilaspur	275	36.00	195	27.60			470	63.60	3000	60.00	100	20.00	3100	80.00	3570	143.60
Grand Total	**6025**	**956.00**	**725**	**70.00**	**125**	**5.00**	**6875**	**1031.00**	**6900**	**121.80**	**1200**	**42.00**	**8100**	**163.80**	**14975**	**1194.80**

District	Distribution of Minikits															
	NFSM								NMOOP						Grand Total	
	Chickpea		Letnil		Urdbean		Total		Mustard		Linseed		Total			
	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)	Nos	Qty. (qtl.)
Bemetra	3025	484.00	100	8	-	-	3125	492.00	900	1.80	400	8.00	1300	9.80	4425	501.80
Kawardha	2724	435.84	430	34.40	-	-	3154	470.24	3000	60.00	600	12.00	3600	72.00	6754	542.24
Bilaspur	275	36.00	195	27.60			470	63.60	3000	60.00	100	20.00	3100	80.00	3570	143.60
Grand Total	**6024**	**955.84**	**725**	**70**			**6749**	**1025.84**	**6900**	**121.80**	**1100**	**40.00**	**8000**	**161.80**	**14749**	**1187.64**

SEED- MINIKIT OF PULSES UNDER NFSM -KHARIF & RABI DURING 2017-18.

Reference: Allocation of Seed Minikits of NFSM-Pulses vide Ministry letter No.3-2/2017-NFSM dated- 07.04.2017 &Additinoal allocation 18.09.2017.The acknowledgement of seed minikits received from C.G. State, details of acknowledgement is given in table:-

Crop/ Variety	Minikit Size	Allocation		Supplied		Agency	Supplied from to	Acknowledgement SDA Govt., C.G.
		No.of minikit	Qty. in Qtl.	No.of minikit	Qty. in Qtl.			
Kharif								
Arhar								
TJT-501	4 Kg	2500	100	1375	55	NSC	08.05.17	L No./ E-6 / Seed/ minikit /Kharif/ 2017-18 / 1297 dated 22.06.2017
Urdbean								
Pant Urd-31	4 Kg	12500	500	12500	500	NAFED	Not mentioned	L No./ E-6 /Seed / minikit /Kharif/ 2017-18 / 1373 dated 130.07.2017
Total								
Rabi								
Chickpea								
JAKI-9218	16 Kg	9375	1500	9374	1499.84	NSC	04-29 Sept., 2017	L No./ E-6 /Seed / minikit /Rabi/ 2017-18 / 2069 dated 11.10.2017
JAKI-9218	16 Kg	18750	3000	18750	3000	NAFED	04-09 Sept., 2017	L No./ E-6 / Seed / minikit / Rabi/ 2017-18 / 2032 dated 03.10.2017
Total		**28125**	**4500**	**28125**	**4499.84**			
Lentil								
IPL-316	8 Kg	3750	300	3750	300	NSC	03-29 Sept., 2017	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2069 dated 11.10.2017
Summer								
Urdbean								
Pant Urd-31	4 Kg	2500	100	2500	100	HIL	12.02.17	L No./ E-6 / Seed / minikit / Rabi/2017-18 / 190 dated 27.03.2018

SEED- MINIKIT OF OILSEED UNDER NMOOP -KHARIF & RABI DURING 2017-18.

Reference: Allocation of Seed Minikits of NFSM-Pulses vide Ministry letter No.7-5/2017/Oilseed/CA dated- 31.03.2017 & Ministry letter No.7-17/2017/Oilseed/CA dated-21.07.2017.The acknowledgement of seed minikits received from C.G. State, details of acknowledgement is given in table:-

Crop/ Variety	Minikit Size	Allocation		Supplied		Agency	Supplied from to	Acknowledgement SDA, Govt., C.G.
		No.of minikit	Qty. in Qtl.	No.of minikit	Qty. in Qtl.			
Kharif								
Soyabean								
JS-9752	8 Kg	5000	400	-	-	NAFED	-	-
JS-9560	8 Kg	10000	800	9995	799.60	NSC	28.04.17 to 08.05.17	L No./ E-6 / Seed / minikit / Kharif /2017-18 / 1297 dated 22.06.2017
Total		**15000**	**1200**	**9995**	**799.60**			
Groundnut								
Kadiri-9	20 Kg	2000	400	-	-	NAFED	-	-
Sesamum								
RT-351	1 Kg	2500	25	2495	24.95	NSC	21.04.17 to 11.05.17	L No./ E-6 / Seed / minikit /Kharif 2017-18 / 1297 dated 22.06.2017
Rabi								
Mustard								
NRCHB-101	2 Kg	12500	250	12500	250	NSC	25-28 Aug., 17	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2069 dated 11.10.2017
NRCHB-101	2 Kg	11500	230	11500	230	HIL	07.10.17	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2919 dated 14.11.2017
PM-30	2 Kg	25000	500	10200	204	NAFED		L No./ E-6 / Seed / minikit / Rabi /2017-18 / 1297 dated 22.06.2017
CS-56	2 Kg	25000	100	25000	100	NSC	28.09.17 to 04.10.17	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2069 dated 11.10.2017

RVM-2	2 Kg	14800	296	14800	296	NAFED	-	L No./ E-6 / Seed / minikit / Rabi/ 2017-18 / 1297 dated 22.06.2017
Total		**49000**	**980**	**74000**	**1080**			
Safflower								
PBNS-40	2 Kg	1400	28	-	-	NSC	-	-
Groundnut								
Kadiri-9	20 Kg	1000	200	-	-	NSC	-	-
Dharani	20 Kg	1500	300	1500	300	NSC	03-11 Nov., 17	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2918 dated 14.11.2017
Total		**2500**	**500**	**1500**	**300**			
Linseed								
Azad Alsi-1	2 Kg	1000	20	1000	20	NSC	16.09.17	L No./ E-6 / Seed / minikit /Rabi/ 2017-18 / 2069 dated 11.10.2017
JLS-67	2 Kg	1000	20	998	19.96	NSC	01.10.17	L No./ E-6 / Seed / minikit / Rabi /2017-18 / 2069 dated 11.10.2017
Azad Alsi-1	2 Kg	15000	300	15000	300	NAFED	21-26 Sept., 17	L No./ E-6 / Seed / minikit / Rabi 2017-18 / 2869 dated 23.10.2017
Total		**17000**	**340**	**16998**	**339.96**			
Summer								
Groundnut								
K-9	2 Kg	3000	600	3000	600	NAFED	10-30 Jan., 18	L No./ E-6 / Seed / minikit /Summer/ 2017-18 / 50 dated 30.01.2018

Annexure- VIII)

KVK WISE : TARGETS & ACHIEVEMENT OF QUALITY SEED PRODUCTION AND BUDGET ALLOCATION OF PULSES BY EACH SEED HUB DURING 2016-17 TO 2018-19

STATUS OF SEED-HUB CHHATTISGARH

KVKs (06)	AICRP (01)
Kanker	IGKVV, (Bhatapara)
Rajnandgaon	
Kawardha	
Bhatapara	
Janjgir-Champa	
Surguja	

SEED-HUB : ACHIEVEMENT (2017-18)

CROP	CG			
	AICRP (01)	KVK (06)	*Total*	
			Target	*Achiv.*
Pigeonpea	150	500	**650**	**1132**
Urd	-	200	**200**	**300**
Moong	-	500	**500**	**-**
Chickpea	250	1450	**1700**	***Harvested, Prodn. awaits***
Fieldpea	300	1450	**1750**	
Lentil	200	1150	**1350**	
Lathyrus	-	250	**250**	
Total	**900**	**5500**	**6400**	***1432***
Varieties	Pigeonpea: Rajiv Lochan, TJT-501			
	Urd: Indira Urd Pratham, Azad-3, PU- 31			
	Moong:			
	Chickpea: JG-14, JAKI-9218, JG-63, JG-130, JG-226			
	Fieldpea: Paras, Subhra, Adarsh, Aman			
	Lentil: HUL-57, RVL-31, Lathyrus: Prateek			

Financial Progress 2016-17 to 2017-18

Seed Hub Location/ Centre	Total Allocation			Release			Expenditure			Total Unspent		
	Infra	Rev.	Total	Infra	Rev.	Total	Infra	Rev.	Total	Infra	Rev.	Total
KVK Bhatapara	50	100	150	50	100	150	49.98	12.03	62.01	0.02	87.97	87.99
KVK Janjgir Champa	50	100	150	50	100	150	48.93	3.02	51.95	1.07	96.98	98.05
KVK Sarguja	50	100	150	50	100	150	50	8.93	58.93	0	91.07	91.07
KVK Kanker	50	100	150	50	100	150	49.98	5.91	55.89	0.02	94.09	94.11
KVK Kawardha	50	100	150	50	100	150	50	63.79	113.79	0	36.21	36.21
KVK Rajnandgaon	50	100	150	50	100	150	49.98	36.56	86.54	0.02	63.44	63.46
AICRP-Bhatapara	50	100	150	50	100	150	49.99	28.027	78.017	0.01	71.973	71.983
Total	**350**	**700**	1050	**350**	**700**	1050	**348.86**	**158.27**	**507.13**	**1.14**	**541.73**	**542.87**

Physical Progress 2016-2017 to 2017-2018

Seed Hub Location/ Centre	Activities			
	Infrastructure			
	Godown Construction	Processing Unit	Fencing	Threshing floor
KVK Bhatapara	Completed	Installed	-	-
KVK Janjgir Champa	Under completion	Purchased	Yes	No
KVK Sarguja	Under Construction		-	-
KVK Kanker	Under completion	To be installed within Month	nil	nil
KVK Kawardha	Under Construction	Installed	-	-
KVK Rajnandgaon	Completed		-	-
DKSCARS Bhatapara		Installed	-	-

Seed Production 2016-17 to 2018

Seed Hub Location/Centre	Target			Achievement (Category of seed)*			Target
	2016-17	2017-18	Total	2016-17	2017-18	Total	2018-19
KVK Bhatapara	500	750	1250	105.15	100	205.15	1000
KVK Janjgir Champa	-	525	525	-	25.55	25.55	1000
KVK Sarguja	550	750	1300	23.37	3.5	26.87	-
KVK Kanker	-	575	575	135	40	175	600
KVK Kawardha	600	950	1550	699.52	143	842.52	1200
KVK Rajnandgaon	550	1175	1725	364		364.00	-
DKSCARS Bhatapara	750	900	1650	627		627.00	900
Total	**2950**	**5625**	**8575**	**1954.04**	**312.05**	**2266.09**	**4700**

INFRASTRUCTURE UNDER SEED HUBS

KVK-KANKER

KVK-Kawardha

KVK- Bhatapara

KVK- Rajnandgaon

AICRP- Bhatapara

(Annexure-IX)

DISTRICT-WISE PULSES VARIETIES

CHHATTISGARH

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
1.	Raipur	Pigeonpea	0.45	Asha, UPAS-120, LRG-41	Rajeev Lochan, TJT-501
		Urdbean	0.88	TAU-1, Shekhar	Azad Urd-3, TU-94-2
		Moongbean	0.37	HUM-1, SML-668, K-851	HUM-1, Pragya
		Chickpea	7.03	JG-74, JG-14, Vishal	JG-74, JG-14, Vishal
		Lentil	1.70	K-75, JL-3	Pant Lentil-7, 8, JL-3
		Peas	1.75	IP-885, Prakash, Arkel, Rachna	Rachna, Prakash, Arkel
		Lathyrus	22.38	Prateek, Ratan	Mahatiwada, Prateek
		Other Pulses	0.00		
		Total Pulses	**34.56**		
2.	Baloda Bazar	Pigeonpea	5.29	Asha, LRG-41	LRG-41, BSMR-863
		Urdbean	2.24	TU-94-2, T-9	PU-31, PU40 Indira Urd-1
		Moongbean	1.19	K-851, Pusa Vishal	HUM-12, HUM-16
		Chickpea	10.07	JG-74, ICCV-2, Vaibhaw, Vijay, Vishal	JG-11, JG-74, Vaibhaw
		Lentil	1.95	IPL-81, K-75	Lens-4076, DPL-62
		Peas	4.65	Arkel, Rachna	Vikash, Prakash, Aparana
		Lathyrus	38.70	Prateek	Mahatiwada
		Other Pulses	0.00		
		Total Pulses	**64.09**		
3.	Gariyaband	Pigeonpea	4.80	Asha, LRG-41	MAL-13, UPAS-120
		Urdbean	5.61	PU-31, TAU-2, TAU-1	TAU-2, TAU-1
		Moongbean	10.02	HUM-1, SML-668, K-851	HUM-12, HUM-16, Pairy Moong
		Chickpea	2.21	JG-14, JG-63, JAKI-9218	JAKI-9218, BG-391
		Lentil	0.98	-	-
		Peas	2.36	Prakash, Arkel	IP-885, Arkel
		Lathyrus	7.95	-	-
		Other Pulses	4.10		
		Total Pulses	**38.03**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
4.	**Mahasamund**	Pigeonpea	0.91	Asha, UPAS-120	BSMR-736, UPAS-120
		Urdbean	11.64	TAU-1, T-9	PU-31, TPU-4, TAU-1, TU94-2
		Moongbean	4.56	HUM-1, K-851	HUM-12, HUM-16, SML-668
		Chickpea	1.02	JG-74, JG-14, Vaibhaw	JAKI-9218, BG-391
		Lentil	0.00	-	-
		Peas	0.62	Ambika, Arkel, Rachna	Pant Pea-25, Ambika
		Lathyrus	5.33	-	-
		Other Pulses	0.47		
		Total Pulses	**24.55**		
5.	**Dhamtari**	Pigeonpea	3.71	Asha, Laxmi	Laxmi, BDN-708, Rajiv Lochan
		Urdbean	0.56	T-9, TU-94-2	T-9, TU-94-2
		Moongbean	0.35	HUM-1, K-851, Pusa Vishal	HUM-16, Pragya
		Chickpea	7.04	JG-74, JG-11, Vijay	JAKI-9218, BG-391
		Lentil	0.46	K-75, JKL-3	Pant Lentil-7, 8 , Lens-4076
		Peas	1.08	-	-
		Lathyrus	16.90	-	-
		Other Pulses	0.21		
		Total Pulses	**30.31**		
6.	**Durg**	Pigeonpea	2.01	Asha, Laxmi, UPAS-120	UPAS-120, BDN-711, Asha, LRG41
		Urdbean	0.38	TAU-1, TU-94-2	TPU-4, PU-30
		Moongbean	0.19	HUM-1, K-851, Pusa Vishal	HUM-12, HUM-16, SML-668
		Chickpea	16.68	JG-74, JG-11, Vijay	JAKI-9218, Vaibhaw, Digvijay
		Lentil	1.38	-	-
		Peas	0.17	-	-
		Lathyrus	12.90	Prateek, Ratan	Mahatiwara, Prateek
		Other Pulses	0.01		
		Total Pulses	**33.72**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
7.	Balod	Pigeonpea	3.27	Asha, ICPL-87	ICPL-87, ICPL-151, TJT-501
		Urdbean	4.37	T-9, TU-94-2, TAU-1	Azad Urd-3, TU-94-2
		Moongbean	1.10	-	-
		Chickpea	11.63	JG-74, JG-11, Vaibhaw, Vishal	JG-74, JG-11, Vaibhaw, Vishal
		Lentil	2.08	-	-
		Peas	0.81	Arkel, Rachna	Vikash, Prakash, Aparna
		Lathyrus	39.86	-	-
		Other Pulses	0.83		
		Total Pulses	**63.95**		
8.	Bemetara	Pigeonpea	2.85	Asha, Laxmi	ICPH-8, Rajeev Lochan, LRG-41, Asha
		Urdbean	0.29	-	-
		Moongbean	0.09	-	-
		Chickpea	84.89	JG-74, JG-11, Vaibhaw	JG-74, JG-11, Digvijay
		Lentil	2.88	K-75, JL-3	Pant Lentil-7, 8, JL-3
		Peas	0.32	-	-
		Lathyrus	15.03	-	-
		Other Pulses	0.00		
		Total Pulses	**106.35**		
9.	Rajnandgaon	Pigeonpea	14.88	Asha, Laxmi	GT-100, PDN-711, MAL-13, TJT-501
		Urdbean	8.87	TAU-1, Shekhar, TAU-94-2	PU-30, PU-31
		Moongbean	3.41	HUM-1, K -851	HUM-12, HUM-16, SML-668
		Chickpea	72.95	JG-74, JG-11	Digvijay, Vishal
		Lentil	3.42	K-75, JL-3	Pant Lentil-7, 8, JL-3
		Peas	1.79	Prakash, Arkel	Pant Peas-25, Arkel, IP-885,
		Lathyrus	31.16	Prateek, Ratan	Mahatiwara, Prateek
		Other Pulses	4.59		
		Total Pulses	**140.95**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
10.	**Kawardha**	Pigeonpea	10.72	Asha, Laxmi, UPAS-120	ICPH-8, Rajeev Lochan, LRG-11
		Urdbean	1.62	TAU-1, TAU-94-2	PU-2, PU-31 TAU-94-2
		Moongbean	0.19	-	-
		Chickpea	74.90	JG-74, JG-11, JG-226	JG-74, JG-11, Digvijay, Vishal
		Lentil	2.78	-	-
		Peas	0.77	Prakash, Rachna	IP-885, Rachna
		Lathyrus	2.80	-	-
		Other Pulses	0.00		
		Total Pulses	**93.78**		
11.	**Bilaspur**	Pigeonpea	3.69	Asha, Laxmi	MAL-13, UPAS-120, Rajeev Lochan
		Urdbean	1.66	TAU-1 TAU-94-2, Azad Urd-3	PU-31 TAU-94-2
		Moongbean	0.31	HUM-1, HUM-2	HUM-12, HUM-16
		Chickpea	4.82	JG-74, JG-14, Vijay	JG-63, JG-74, Digvijay, JAKI-9218
		Lentil	0.75	-	-
		Peas	1.66	Prakash, Arkel, Aparna	Prakash, Parash
		Lathyrus	32.52	-	-
		Other Pulses	1.06		
		Total Pulses	**46.47**		
12.	**Mungeli**	Pigeonpea	2.53	Asha, Laxmi, UPAS-120	Rajeev Lochan, LRG-41
		Urdbean	0.16	TAU-1 TAU-94-2, Azad Urd-3	TAU-1, Azad Urd-3
		Moongbean	0.09	K-851, HUM-1	HUM-12, HUM-16, HUM-1
		Chickpea	27.00	JG-130, JG-226	JG-11, JG-74, Digvijay, Vishal
		Lentil	0.83	-	-
		Peas	0.47	-	-
		Lathyrus	56.67	Prateek, Ratan	Mahatiwara, Prateek
		Other Pulses	0.10		
		Total Pulses	**87.75**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
13.	Janjgir	Pigeonpea	1.60	Asha, Laxmi, , LRG-41	Rajeev Lochan, LRG-41, Asha, UPAS-120
		Urdbean	1.95	TAU-1, Azad Urd-3	TAU-1 TAU-94-2, Azad Urd-3, PU-31
		Moongbean	0.99	HUM-2, HUM-1, Pusa Vishal	HUM-12, HUM-16, Pairy Moong
		Chickpea	0.66	JG-11, JG-74	JG-11, JG-74, Digvijay
		Lentil	0.06	-	-
		Peas	0.36	Arkel	Prakash, Arkel
		Lathyrus	19.19	Prateek, Ratan	Mahatiwara, Prateek
		Other Pulses	0.07		
		Total Pulses	**24.88**		
14.	Korba	Pigeonpea	2.39	UPAS-120, Laxmi, Asha	Asha, Laxmi, , LRG-41, UPAS-120
		Urdbean	4.86	TU-9, TAU-94-2	TAU-1 TAU-94-2, Azad Urd-3, PU-31
		Moongbean	0.66	K-851, HUM-1, Pusa Vishal	HUM-12, HUM-16, SML-668
		Chickpea	0.91	JG-11, JG-74, Vaibhaw	JAKI-9218, BG-391, JG-74
		Lentil	0.12	-	-
		Peas	0.77	-	-
		Lathyrus	13.32	-	-
		Other Pulses	4.13		
		Total Pulses	**27.16**		
15.	Raigarh	Pigeonpea	8.97	Asha, Laxmi, UPAS-120	Asha, Laxmi, , LRG-41, UPAS-120
		Urdbean	32.87	TU-1, TAU-94-2, Shekhar	PU-40, Azad Urd-3, PU-31
		Moongbean	8.90	K-851, HUM-1, SML-668	HUM-12, HUM-16, Pragya
		Chickpea	3.00	JG-216, JG-63, JG-11	JAKI-9218, Digvijay, JG-74
		Lentil	1.27	-	-
		Peas	5.60	IP-885, Prakash, Arkel, Vikash	Vikash, Prakash, Aparna
		Lathyrus	6.20	-	-
		Other Pulses	17.31		
		Total Pulses	**79.06**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
16.	Jashpur	Pigeonpea	8.80	Mal-13, BDN-711, Asha, UPAS-120	
		Urdbean	23.25	T-9, TAU-94-2, Mash-479	PU-30, PU-31, TAU-94-2
		Moongbean	0.04	HUM-1, Pusa Vishal	HUM-12, HUM-16, Pusa Vishal
		Chickpea	5.31	JAKI-9218, JG-11	JAKI-9218, JG-74
		Lentil	0.56	-	-
		Peas	3.76	Arkel, Pant Pea-43	Shubhra, Prakash, Arkel
		Lathyrus	3.08	Mahatiwara, Prateek	Mahatiwara, Prateek
		Other Pulses	2.97		
		Total Pulses	**46.88**		
17.	Sarguja	Pigeonpea	7.39	Asha, UPAS-120	Asha, UPAS-120, PRAGATI
		Urdbean	5.66	T-9, TAU-1	TAU-1, Azad Urd-3
		Moongbean	0.30	HUM-1, K-851	HUM-1, HUM-12, K-851
		Chickpea	3.67	Vijay, Vishal	JG-74, Vijay, Digvijay
		Lentil	2.10	-	-
		Peas	3.05	-	-
		Lathyrus	0.21	-	-
		Other Pulses	2.86		
		Total Pulses	**25.24**		
18.	Surajpur	Pigeonpea	7.32	Asha, Laxmi, UPAS-120	Asha, BSMR-736, UPAS-120
		Urdbean	6.54	T-9, TAU-1	TAU-1, Azad Urd-3
		Moongbean	0.49	HUM-1, K-851	HUM-1, HUM-12, K-851
		Chickpea	3.31	JG-74, Vijay, Vishal	JG-11, JG-74, Digvijay, Vishal
		Lentil	0.83	JL-1, JLS-3	Pant Lentil-7 & 8, JL-3
		Peas	2.02	Arkel, Rachna	Rachna, Prakash, Arkel
		Lathyrus	0.85	-	-
		Other Pulses	2.22		
		Total Pulses	**23.56**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
19.	Balrampur	Pigeonpea	10.40	Asha, UPAS-120	Asha, UPAS-120
		Urdbean	7.41	TAU-1, Azad Urd-3	PU-30, PU-31, TAU-1
		Moongbean	0.26	Pusa Vishal, SML-668	HUM-12, Pusa Vishal
		Chickpea	5.24	JG-74, JG-14, Vaibhaw, Vishal	JG-74, JG-14, Vaibhaw, Digvijay
		Lentil	1.82	JL-1, JLS-3	Pant Lentil-7 & 8, JL-3
		Peas	2.74	IP-885, Arkel, Rachna	Rachna, Prakash, Arkel
		Lathyrus	0.15	-	-
		Other Pulses	2.84		
		Total Pulses	**30.69**		
20.	Koriya	Pigeonpea	12.51	Asha, Laxmi, UPAS-120	Asha, BSMR-736, UPAS-120
		Urdbean	9.25	T-9, TAU-94-2	PU-30, PU-31, TAU-94-2
		Moongbean	1.29	Pusa Vishal, HUM-1	HUM-12, Pusa Vishal, HUM-16
		Chickpea	4.42	JG-31, JG-4	JAKI-9218, JG-14, JG-74
		Lentil	2.11	K-75	Pant Lentil-7 & 8, JL-3
		Peas	3.73	Prakash, Arkel	Rachna, Parash, Arkel
		Lathyrus	2.55	Prateek, Ratan	Mahatiwara, Prateek
		Other Pulses	6.10		
		Total Pulses	**41.96**		
21.	Jagdalpur	Pigeonpea	1.90	Asha, Laxmi, UPAS-120	IRG-41, BSMR-863, BDN-708
		Urdbean	8.83	TAU-1, TAU-94-2	PU-30, PU-31, TAU-94-2, PU-40
		Moongbean	0.55	SML-668, HUM-16	HUM-12, SML-668, HUM-16
		Chickpea	1.67	JG-14, JG-74, JG-11	JAKI-9218, JG-6
		Lentil	0.11	-	-
		Peas	0.98	Aman, Prakash, Arkel	Prakash, Arkel
		Lathyrus	0.17	-	-
		Other Pulses	5.18		
		Total Pulses	**19.39**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
22.	Kondagaon	Pigeonpea	0.86	Asha, Laxmi, LRG-41	Asha, Mal-13, PRAGATI
		Urdbean	12.10	T-9, TAU-94-2	Azad Urd-3 TAU-94-2
		Moongbean	0.55	HUM-1, K-851	HUM-1, K-851
		Chickpea	2.88	JAKI-9218, JG-14, JG-74, JG-11	JAKI-9218, JG-6, JG-14
		Lentil	0.17	-	-
		Peas	1.79	Arkel	Arkel, Ambika
		Lathyrus	1.47	-	-
		Other Pulses	3.58		
		Total Pulses	**23.40**		
23.	Naryanpur	Pigeonpea	1.10	Asha, Laxmi, UPAS-120	Asha, Laxmi, UPAS-120
		Urdbean	6.00	TAU-1, T-9, PU-30	T-9, PU-30, PU-31
		Moongbean	0.25	Pusa Vishal, K-851	HUM-12, K-851, HUM-16
		Chickpea	1.25	JAKI-9218, JG-14, JG-63	JAKI-9218, JG-315
		Lentil	0.02	JLS-3	JLS-3
		Peas	0.46	Vikash, Parash	Prakash, Arkel
		Lathyrus	0.12	Prateek, Ratan	Mahatiwara
		Other Pulses	3.70		
		Total Pulses	**12.90**		
24.	Dantewada	Pigeonpea	0.40	Asha, UPAS-120	Asha, UPAS-120
		Urdbean	0.71	T-9, TAU-94-2	Azad Urd-3, TAU-94-2
		Moongbean	0.43	HUM-1, K-851	HUM-1, K-851
		Chickpea	0.20	-	-
		Lentil	0.00	-	-
		Peas	0.06	-	-
		Lathyrus	0.00	-	-
		Other Pulses	1.75		
		Total Pulses	**3.50**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
25.	Sukma	Pigeonpea	0.55	Asha, Laxmi	Asha, UPAS-120
		Urdbean	1.17	T-9, TAU-94-2	Azad Urd-3, TAU-94-2
		Moongbean	1.03	HUM-1, K-851	HUM-1, HUM-12, Pusa Vishal
		Chickpea	0.08	JG-11, JG-74	JG-315, JG-74
		Lentil	0.00	-	-
		Peas	0.00	-	-
		Lathyrus	0.00	-	-
		Other Pulses	1.61		
		Total Pulses	**4.44**		
26.	Bijapur	Pigeonpea	0.21	Asha, Laxmi	Asha, Laxmi
		Urdbean	0.98	T-9, TAU-94-2	Azad Urd-3, TAU-94-2
		Moongbean	1.03	HUM-1, Pusa Vishal	HUM-16, HUM-12, K-851
		Chickpea	0.16	JG-11, JG-4	JAKI-9218, JG-11, JG-4
		Lentil	0.00	-	-
		Peas	0.03	Arkel	Arkel, Ambika
		Lathyrus	0.00	-	-
		Other Pulses	0.92		
		Total Pulses	**3.15**		
27.	Kanker	Pigeonpea	2.13	Asha, Laxmi	Asha, LRG-41
		Urdbean	8.43	PU-31, TAU-1, TAU-2	TPU-4, PU-30, Azad Urd-3
		Moongbean	6.55	HUM-1, HUM-12, Pairy Moong	HUM-1, HUM-12, K-851, HUM-16
		Chickpea	3.52	Vijay, JG-315, JG-4	Digvijay, Vaibhaw, JG-63, JG-74, JG-4
		Lentil	0.65	-	-
		Peas	6.34	IP-885, Rachna	Paras
		Lathyrus	8.71	-	-
		Other Pulses	8.73		
		Total Pulses	**45.06**		

Note: The above information as per received from concerned State Department of Agriculture.