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NATIONAL FOOD SECURITY MISSION

NATIONAL LEVEL MONITORING (NLMT) REPORT




STATE-CHHATTISGARH NLMT-RABI : 2016-17

सत्यमेव जयते

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE & FARMERS WELFARE

(DEPARTMENT OF AGRICULTURE, COOPERATION& FARMERS WELFARE)

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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 the Chhattisgarh like 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 2016-17 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 (SMSs) representing ICAR/SAUs and State Mission Director, NFSM/Nodal Officer.

The Terms of Reference (TOR) of the NLMT suggest mandatory monitoring the implementation at least once in each 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 between 27th February to 03rd March, 2017. 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 of farmers individually/groups/Goshties and also inspection of demonstration trials/beneficiaries. The head/Scientists, KVKs of the concerned districts also accompanied the team in a district. The report has tried to capture the impact of NFSM tetra- ending 2015-16 of XIIth five year plan in comparison to XIth plan.

I am thankful to the Additional Chief Secretary & APC, Govt. of CG and 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 acknowledge the sincere efforts of my technical officers/team in compilation of the report in it's present form.

Bhopal (M.P.)
19th April, 2017

(A.K.Tiwari)
Director

EXECUTIVE SUMMARY

REPORT OF NATIONAL MONITORING TEAM (NLMT) ON IMPLEMENTATION OF NATIONAL FOOD SECURITY MISSION (PADDY, PULSES AND COARSE CEREALS): CHHATTISGARH - RABI, 2016-17

- Of the total geographical area of 137.90 Lha, 65.66 Lha is the cultivable area in Chhattisgarh. The Normal area during Kharif and Rabi is 47.71 Lha and 16.55 Lha with cropping intensity of 123 per cent. The double cropped area is about 10.47 Lha with 30% area under irrigation (Net Irrigated Area- 31 %), 70% of the total cultivable area is under rainfed.
- In CG, the NFSM-programme is under implementation since 2007-08 (XIth 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 normal rabi area. This year, wheat has been planted in *1.50 lakh ha* which is 44% higher against the normal wheat area of 1.04 lakh ha. The rabi pulses has been planted in *6.37 lakh ha* which is 3.34 % less against the normal rabi pulse area of 6.56 lakh ha. Gram, the major rabi pulse of the state has been planted in an area of 3.09 lakh ha. *Rabi crops have been sown in an area of 8.79 lakh hectares.*
- ***The total seasonal rainfall*** during the current SW monsoon (01.06.2016 to 30.09.2016) was 1153.3 mm which is at par the state's normal rainfall of 1146.2 mm. *04 districts received excess, 19 normal and 04 received deficit rainfall.*
- During the *agriculture year* under report, the Kharif and Rabi crops *were cultivated in 45.14 Lha & 8.79 Lha Area.* The State's performance under Area & Production during 2016-17 is indicated below.

Table 1. Area, Production & Productivity of Kharif & Rabi Crops : 2016-17

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

States	Chhattisgarh			All India		
	A	P	Y	A	P	Y
A. Cereals						
Paddy	38.33	72.60	1894	427.44	1088.56	2547
Wheat	1.50	2.01	1340	302.31	966.43	3197
*Coarse Cereals	2.50	2.65	1061	246.42	443.42	1799
Total Cereals	**42.33**	**77.25**	**1825**	**976.17**	**2498.41**	**2559**
CC incl. Jowar, Bajra, Maize, Ragi, S.Millet, Barley						

B. Pulses						
Tur	0.69	0.46	657	51.31	42.29	824
Gram	3.09	3.17	1027	94.85	91.23	962
Urad	1.02	0.34	337	43.51	28.92	665
Moong	0.20	0.07	353	43.02	21.26	494
Other Pulses	3.54	2.21	625	55.88	37.67	674
Total Pulses	8.53	6.25	732	288.58	221.37	767
Total Foodgrains	**50.86**	**83.50**	**1642**	**1264.75**	**2719.78**	**2150**
C. Oilseeds						
Soybean	1.04	0.73	697	113.44	141.25	1245
Niger	0.64	0.12	189	2.50	0.85	340
R & M	0.41	0.21	515	63.23	79.12	1251
Groundnut	0.29	0.43	1493	53.21	84.72	1592
Other Oilseeds	0.45	0.18	398	33.96	30.02	884
Other Oilseeds incl. Castor, Til, Sunflower, Safflower, Linseed						
Total Oilseeds	**2.83**	**1.66**	**589**	**266.34**	**335.96**	**1261**
D. Commercial Crops						
Sugarcane	0.235	0.58	2455	45.21	3099.84	68566
Cotton *				108.11	325.07	511
Jute & Mesta**	0.012	0.02	240	7.53	100.63	2404

Source: DES, Ministry of Agri. IInd Adv. Est. 2016-17
*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. No incidence of insect-pest and disease was noticed throughout the visit in different districts.
- Under RKVY the State government is implementing *shallow tube wells @ Rs. 20,000/- per tube well cost (Rs. 5000/- boring charges + Rs. 15000/- 3 HP Pumps-) and Check dam- @ Rs. 10.00 Lakh/check dam.*
- State quality control lab of pesticides handles 19 types of pesticides but no pesticides samples have been reported as being made available to this lab
- This year, about 20,000 ha summer rice area has been diverted to pulses due to 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.
- Dr. S.K. Patil, Hon'ble VC of IGKVV, Raipur 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 Gram, Urdbean and Mungbean, totaling to 29000 nos. (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 2016-17. A total of 46500 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 3200 q of seed production during 2016-17 under NFSM Seed-hub, expected production is 3307 q for all pulses (*Pigeonpea –var. Asha-332 q ; Fieldpea-var. Parash Adharsh & Shubhra- 615 q; Chickpea- var. JG-14 , JAKI-9218, JG- 63 & JG-130 -2120 q ; Lentil var. Azad Masur-2 (KLS-218)-150 q ; Green gram var.- IPM-02-14- 90 q.* Pigeonpea *var.* Asha is more than 24 years old.
- The Director Extension IGKVV, Raipur also gave an account of FLDs on Oilseed for both the season (Kharif 290 ha /620 nos.; Rabi 821 ha/1914 nos.). Crops covered during kharif were Groundnut, Niger, Sesame and Soybean. The rabi crops were Linseed, R&M, and Sesame.

ACTIONABLE POINTS

- The NLMT recommends that there should be a single agency to implement mechanization component in the State. It should be either the DDA or Directorate of Agricultural Engineering.
- 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.
- Infestation of Stem borer of wheat (*Pink borer*) may be monitored seriously by a joint diagnostic team of SDA + KVK. In the next crop season to contained the insect.
- 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.
- Area expansion during rabi summer for maize crop in district Kondagaon and adjoining districts is increasing year on year. An approximate > 30,000 ha area of maize has been reported as covered. The State's Land Record (SLR) may be directed to report the coverage/ area expansion for future planning.

- 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 Hatpadmur was noticed as excellent work by the department. Solar system prompted the farmers to grow summer pulses and vegetables in the area. 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.

CHHATTISHGARH:NATIONAL LEVEL MONITORING TEAM REPORT (RABI–2016-17) TO REVIEW THE IMPLEMENTATION OF NATIONAL FOOD SECURITY MISSION (RICE, PULSES AND COARSE CEREALS) FROM FEBRUARY 27th to 03rd MARCH, 2017.

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 production 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).

1.2.2 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 IInd advanced estimate records a total foodgrains production of 271.98 MT comprising wheat (96.64 MT) Rice (108.86), Pulses (22.14 MT) and Coarse Cereals (44.34 MT). An Additional increase of 3.56, 1.76, 5.05 and 2.33 million tonnes under rice, wheat, pulses and coarse-cereals respectively was recorded.

1.2.3 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. A total Share of Rs. 2852.92 Crores (excluding commercial crops) with a central share- 1786.22 and state share-1066.71 crores has been approved during 2016-17. For pulses Rs. 1790.05 crores (central - 1101.90 + state-688.15 crores); for rice Rs. 533.02 crores (central- 346.26+ state-186.76 crores); for wheat Rs. 240.10 crores (central- 151.36+ state- 88.74) crores and NFSM- coarse cereals 289.75 crores (central- 186.70+ state- 103.05 crores).

1.2.4 The total NFSM allocation during 2016-17 was for Chhattisgarh is 126.49 crores with a central share of 75.89 and state's share of 50.60 crores. For NFSM-Pulses the total share is 61.30 crores (Central 36.78 + State- 24.52 crores); for Additional Pulses 16.00 crores (Central 9.60 + State- 6.40 crores); for NFSM- Rice 46.59 crores (Central- 27.95 + State- 18.64 crores), for NFSM-Coarse Cereals 2.60 crores (Central- 1.56 + State's- 1.04 Crores).

1.3 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.

1.3.1 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).

1.3.2 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.

1.3.3 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: 2016-17

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 - Member Secretary (NFSM)	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.	Government of India, Directorate of Pulses Development, Ministry of Agriculture and Farmers Welfare, (DAC&FW), Vindhyachal Bhavan, Bhopal.	Dr. A.K. Tiwari Director -Convenor/Team leader
ii.	Department of Entomology, College of Agriculture, IGKVV, Raipur	Dr. Sanjay Sharma , Principal Scientist, (Rice -Entomology) - Member
iii.	Department of Genetics & Plant Breeding, College of Agriculture, IGKVV, Raipur	Dr. Sandip Bhandarkar, Scientist, (AICRP-Rice) - Member
iv.	SG College of Agriculture & Research Station, Jagdalpur, IGKVV, Raipur	Dr. Ashwini Thakur, Scientist, (AICRP-Small Millets) - Member

v.	SAMETI, Govt. of Chhattisgarh Krishak Nagar, Labhandi, Raipur-492012	Shri. M.D. Dhurwa Joint 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		
Revenue Districts (Nos.)	27		
Block/ Janpad Panchayat (Nos.)	146		
Village Panchayat (Nos.)	9737		
Tehsil (Nos.)	149		
Total Village (Nos.)	20307		
Krishi Upaj Mandi (Nos.)	73		
Annual Rainfall (Ave.)	1134 mm		
Land Use Pattern (Area : lakh ha)		**Agricultural land use (Area -lakh ha)**	
Geographical Area	137.90	Net sown area	46.81
Cultivable area	65.66 (47.61%)	Double Cropped Area	10.47
Forest area	45.36 (32.89%)	Gross cropped area	57.28
Land under non-agricultural use	7.25 (5.25%)	*Kharif* Area	47.71
Permanent pastures	8.63 (6.25%)	*Rabi* Area	16.55
Cultivable wasteland	3.58 (2.59%)	Cropping Intensity	123%
Barren and uncultivable land	5.22 (3.78%)		
Current fallows	2.67 (1.93%)		

Particulars	STATUS		
Irrigation	**(Area: lakh ha)**	**Source of Irrigation**	**(Area : lakh ha)**
Net irrigated area	14.49	Canals	9.03 (61.55%)
Gross irrigated area	17.25	Tanks	0.43 (2.93%)
Rainfed area (to Cultivable Area)	46.04 (70%)	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 II- (Oilpalm) Mini Mission III- (TBOs)		
(*Source- ENVIS, Centre of M.P. State.)			

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 2015-16**)			Increase/decrease over XIth Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	**Cereals**										
1	Paddy	CG	37.27	52.23	1402	38.03	64.35	1692	2.04	23.21	21
		All India	**436.48**	**972.42**	**2228**	**338.47**	**1054.21**	**3115**	**-22.45**	**8.41**	**40**
2	Jowar	CG	0.05	0.05	1001	0.06	0.04	637	18.01	-24.88	-36
		All India	**73.42**	**59.56**	**811**	**69.70**	**51.70**	**742**	**-5.06**	**-13.19**	**-9**
3	Bajra	CG	0.001	0.001	1000	0.001	0.001	700	0.00	-30.00	-30
		All India	**91.23**	**92.02**	**1009**	**72.14**	**86.54**	**1200**	**-20.93**	**-5.95**	**19**
4	Maize	CG	1.03	1.61	1567	1.14	1.94	1704	10.41	20.07	9
		All India	**83.78**	**197.78**	**2361**	**89.04**	**231.24**	**2597**	**6.28**	**16.92**	**10**
5	Ragi	CG	0.08	0.02	269	0.07	0.02	252	-18.04	-23.25	-6
		All India	**13.00**	**20.41**	**1570**	**11.98**	**18.53**	**1547**	**-7.83**	**-9.20**	**-1**
6	Small millet	CG	1.65	0.35	212	1.17	0.25	210	-29.25	-30.08	-1
		All India	**8.75**	**4.54**	**519**	**6.56**	**4.04**	**616**	**-24.99**	**-11.01**	**19**
7	*Kha. CC	CG	2.82	2.04	724	2.44	2.24	919	-13.54	9.80	27
		All India	**270.17**	**374.31**	**1385**	**249.42**	**392.06**	**1572**	**-7.68**	**4.74**	**13**
8	Total Cereals	CG	40.09	54.27	1354	40.47	66.59	1646	0.95	22.70	22
		All India	**706.65**	**1346.72**	**1906**	**587.89**	**1446.27**	**2460**	**-16.81**	**7.39**	**29**
	Kharif Coarse Cereals incl. (Jowar, Bajra, Maize, Ragi, Small Millets)										
B.	**Pulses**										
1	Arhar	CG	0.55	0.27	497	0.55	0.32	575	-0.10	15.52	16
		All India	**37.89**	**26.64**	**703**	**38.49**	**28.66**	**744**	**1.60**	**7.56**	**6**
2	Urd	CG	1.05	0.31	292	0.93	0.29	313	-10.94	-4.66	7
		All India	**23.10**	**10.99**	**475**	**25.49**	**13.31**	**522**	**10.32**	**21.19**	**10**
3	Moong	CG	0.09	0.02	270	0.09	0.03	340	3.07	30.08	26
		All India	**26.41**	**10.45**	**396**	**22.81**	**9.07**	**397**	**-13.62**	**-13.23**	**0**
4	Kulthi	CG	0.48	0.14	298	0.46	0.14	313	-3.09	1.74	5
		All India	**3.11**	**1.33**	**427**	**2.39**	**1.11**	**467**	**-23.14**	**-15.96**	**9**
5	*Other Pulses	CG	0.05	0.02	400	0.04	0.01	250	-20.00	-50.00	-38
		All India	**20.69**	**7.70**	**372**	**21.73**	**8.64**	**398**	**5.03**	**12.21**	**7**
6	Total Pulses	CG	2.22	0.77	346	2.08	0.80	382	-6.19	3.68	11
		All India	**111.20**	**57.10**	**514**	**110.91**	**60.79**	**548**	**-0.26**	**6.46**	**7**
Other Pulses incl.(Mothbean, Other & Other Pulses)											
C.	**Oilseeds**										
1	Soybean	CG	0.93	0.92	995	1.10	0.93	845	18.31	0.40	-15
		All India	**95.67**	**111.57**	**1166**	**112.83**	**113.73**	**1008**	**17.93**	**1.94**	**-14**
2	Groundnut	CG	0.29	0.38	1349	0.26	0.36	1368	-8.86	-7.63	1
		All India	**58.11**	**74.02**	**1274**	**48.87**	**71.45**	**1462**	**-15.89**	**-3.47**	**15**
3	Sesamum / Til	CG	0.21	0.07	354	0.18	0.06	342	-11.20	-14.15	-3
		All India	**19.07**	**7.38**	**387**	**17.69**	**7.73**	**437**	**-7.22**	**4.82**	**13**
4	Niger/ Ramtil	CG	0.70	0.12	173	0.64	0.11	174	-9.14	-8.42	1
		All India	**3.82**	**1.06**	**278**	**2.73**	**0.88**	**322**	**-28.49**	**-17.32**	**16**
5	Total Oilseeds	CG	2.12	1.50	708	2.18	1.45	668	2.70	-3.08	-6
		All India	**176.68**	**194.03**	**1098**	**182.13**	**193.80**	**1064**	**3.09**	**-0.12**	**-3**

***** XIIth Plan is the Avg. figure of Tetra Ending of 2012-13 to 2015-16***

The comparative analysis of crop performance during the XIth Plan period and Tetra ending 2015-16 of the twelfth plan reveal that the NFSM interventions since 11th Plan has paid dividends in the production and yield of Paddy which is 23% and 21% higher during Tetra

ending 2015-16 over its previous five year Plan and also seen under maize crop with an increase in area, production and yield at 10 %, 20% and 9% respectively. The crops replaced through diversification by maize and soybean in kharif season are Ragi (>18%) Small Millets (>29%), Urd (>10%), Kulthi (>3%), Groundnut (>8%), Til (>11%) and Niger (>9%) 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 >21, 9, 16 and 26% respectively.

B. Rabi Crops

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

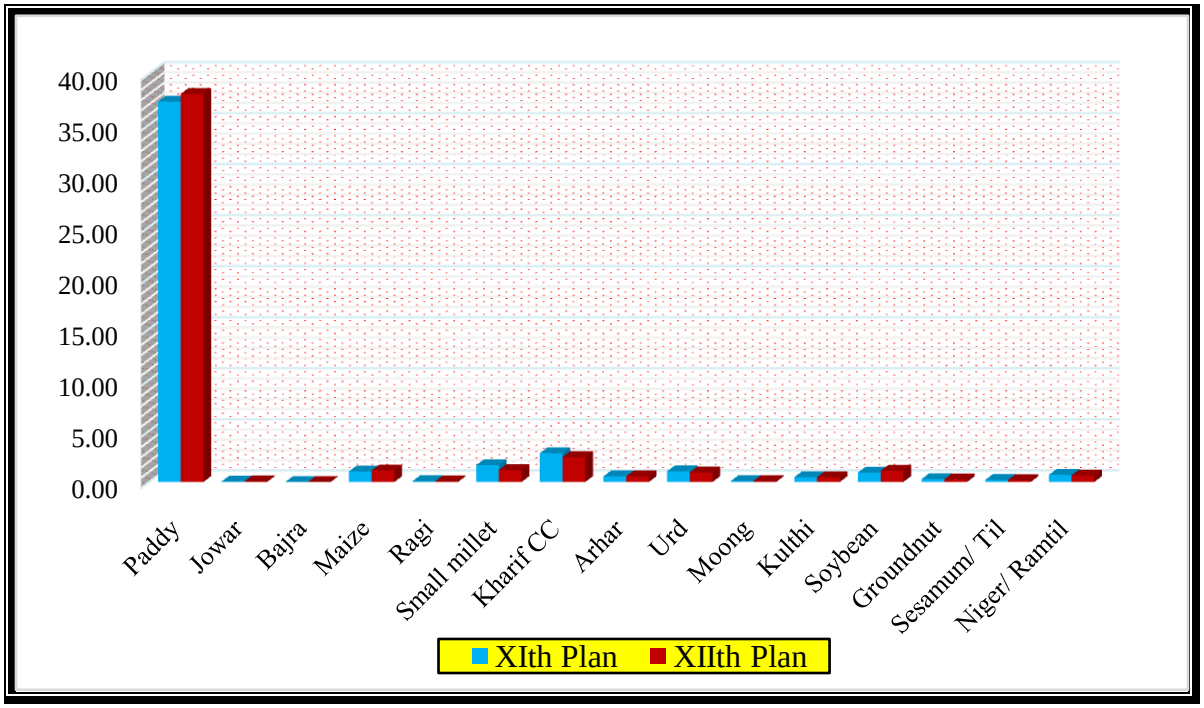
S. No.	Crops	Districts/ State	XIth Plan (2007-08 to 2011-12)			XIIth Plan (2012-13 to 2015-16**)			Increase/decrease over XIth Plan		
			A	P	Y	A	P	Y	A	P	Y
A.	**Cereals**										
1	Wheat	CG	1.03	1.15	1116	1.02	1.37	1338	-0.31	19.53	20
		All India	**286.36**	**843.62**	**2946**	**305.40**	**923.46**	**3024**	**6.65**	**9.46**	**3**
2	Barley	CG	0.03	0.03	833	0.03	0.02	890	-19.87	-14.42	7
		All India	**6.56**	**15.04**	**2292**	**6.66**	**16.75**	**2514**	**1.57**	**11.37**	**10**
3	Total Cereals	CG	1.06	1.17	1107	1.05	1.39	1327	-0.88	18.77	20
		All India	**292.93**	**858.66**	**2931**	**312.07**	**940.21**	**3013**	**6.54**	**9.50**	**3**
B.	**Pulses**										
1	Urd	CG	0.04	0.01	255	0.07	0.02	234	63.19	50.00	-8
		All India	**7.63**	**3.99**	**522**	**8.21**	**6.26**	**762**	**7.64**	**56.95**	**46**
2	Moong	CG	0.07	0.02	229	0.06	0.02	264	-11.47	1.85	15
		All India	**6.95**	**3.05**	**439**	**9.57**	**5.73**	**599**	**37.67**	**87.93**	**37**
3	Kulthi	CG	0.03	0.01	295	0.04	0.01	307	35.76	41.23	4
		All India	**2.10**	**1.07**	**507**	**2.30**	**1.18**	**511**	**9.44**	**10.48**	**1**
4	Gram	CG	2.44	2.22	908	2.82	2.52	894	15.40	13.61	-2
		All India	**82.18**	**72.42**	**881**	**87.62**	**82.15**	**938**	**6.62**	**13.44**	**6**
5	Lentil	CG	0.16	0.05	322	0.15	0.06	410	-2.83	23.88	27
		All India	**14.64**	**9.60**	**655**	**14.11**	**10.62**	**753**	**-3.63**	**10.68**	**15**
6	Lathyrus	CG	3.39	1.99	589	3.63	2.62	723	7.06	31.55	23
		All India	**5.16**	**3.19**	**618**	**4.93**	**3.91**	**792**	**-4.48**	**22.44**	**28**
7	Peas	CG	0.16	0.06	352	0.15	0.07	455	-2.84	25.78	29
		All India	**7.16**	**6.21**	**868**	**9.01**	**8.84**	**982**	**25.86**	**42.41**	**13**
8	*Total Pulses	CG	6.29	4.35	693	6.92	5.32	769	10.12	22.21	11
		All India	**125.82**	**99.52**	**791**	**135.75**	**118.69**	**874**	**7.89**	**19.26**	**11**
	***Total Pulses incl. (Other Pulses)**										
C.	**Oilseeds**										
1	Rapeseed /Mustard	CG	0.53	0.22	409	0.47	0.25	541	-12.30	16.01	32
		All India	**61.01**	**68.85**	**1128**	**61.42**	**72.52**	**1181**	**0.68**	**5.34**	**5**
2	Linseed	CG	0.45	0.14	301	0.29	0.10	348	-36.00	-26.10	15
		All India	**3.80**	**1.57**	**413**	**2.93**	**1.44**	**492**	**-22.84**	**-8.23**	**19**

S. No.	Crops	Districts/ State	XIth Plan (2007-08 to 2011-12)			XIIth Plan (2012-13 to 2015-16**)			Increase/decrease over XIth Plan		
			A	**P**	**Y**	**A**	**P**	**Y**	**A**	**P**	**Y**
3	*Other Oilseeds	CG	0.30	0.22	740	0.01	0.00	294	-95.68	-98.28	-60
		All India	**26.00**	**24.75**	**952**	**18.37**	**22.84**	**1243**	**-29.33**	**-7.71**	**31**
4	Total Oilseeds	CG	1.28	0.57	447	0.77	0.36	464	-39.96	-37.72	4
		All India	**90.81**	**95.17**	**1048**	**82.73**	**96.81**	**1170**	**-8.90**	**1.72**	**12**
5	Sugarcane	CG	0.10	0.26	2491	0.17	0.44	2658	61.17	71.96	7
		All India	**47.14**	**3257.87**	**69118**	**50.03**	**3519.59**	**70348**	**6.14**	**8.03**	**2**
6	Jute & Mesta	CG	0.01	0.03	1972	0.01	0.02	1878	-14.93	-19.01	-5
		All India	**9.09**	**110.82**	**12196**	**8.24**	**110.53**	**13418**	**-9.35**	**-0.26**	**10**
	Other Oilseeds include: Safflower, Sunflower & Castor)										

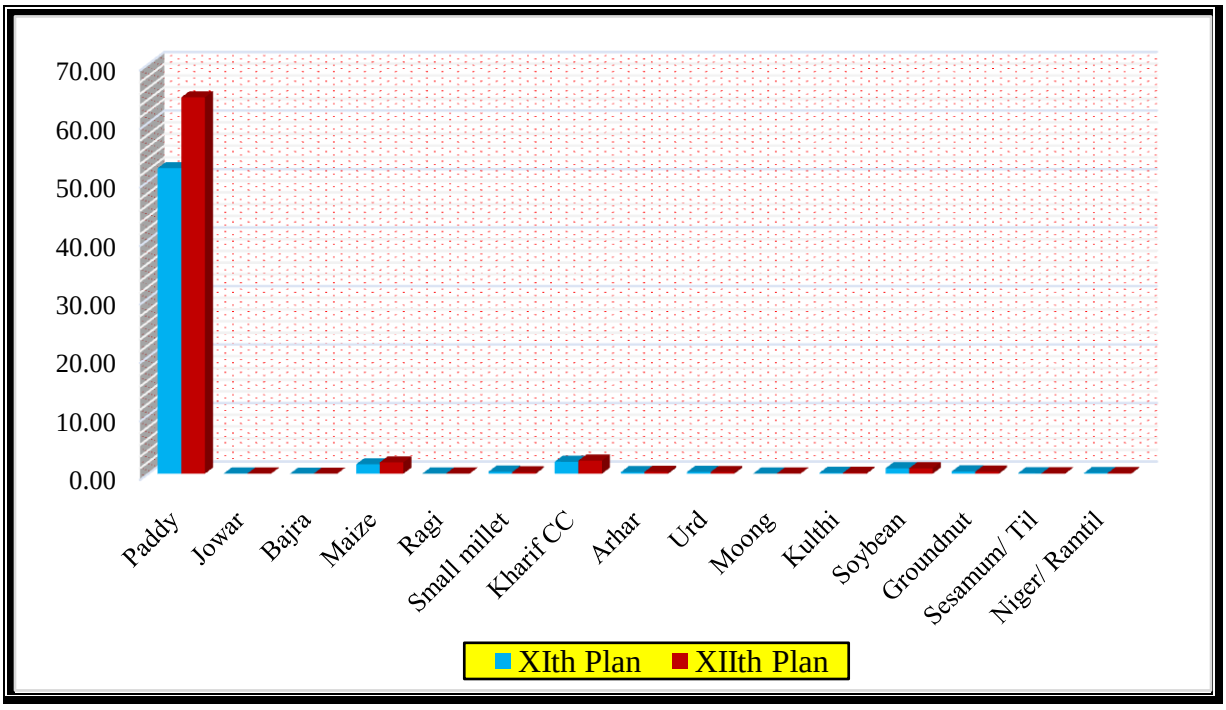
***** XIIth Plan is the Avg. figure of Tetra Ending of 2012-13 to 2015-16***

The comparative analysis of crop performance during the XIth plan period and Tetra ending 2015-16 of the twelfth plan reveal that the NFSM interventions since 11th Plan has paid dividends in the production and yield of Wheat which is 19% and 20% higher during Tetra ending 2015-16 over its previous five year Plan and also seen under Urd, Gram and Sugarcane crop with an increase in area and production at 63%, 15% & 61% and 50%, 14% & 71% respectively. The crops replaced through this diversification in rabi season are Barley (>19%) Moong (> 11%), Lentil (> 2%), Mustard (>12%) and Linseed (>36 %) 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 >20, 15, 27, 23, 29, 32 and 15 % respectively.

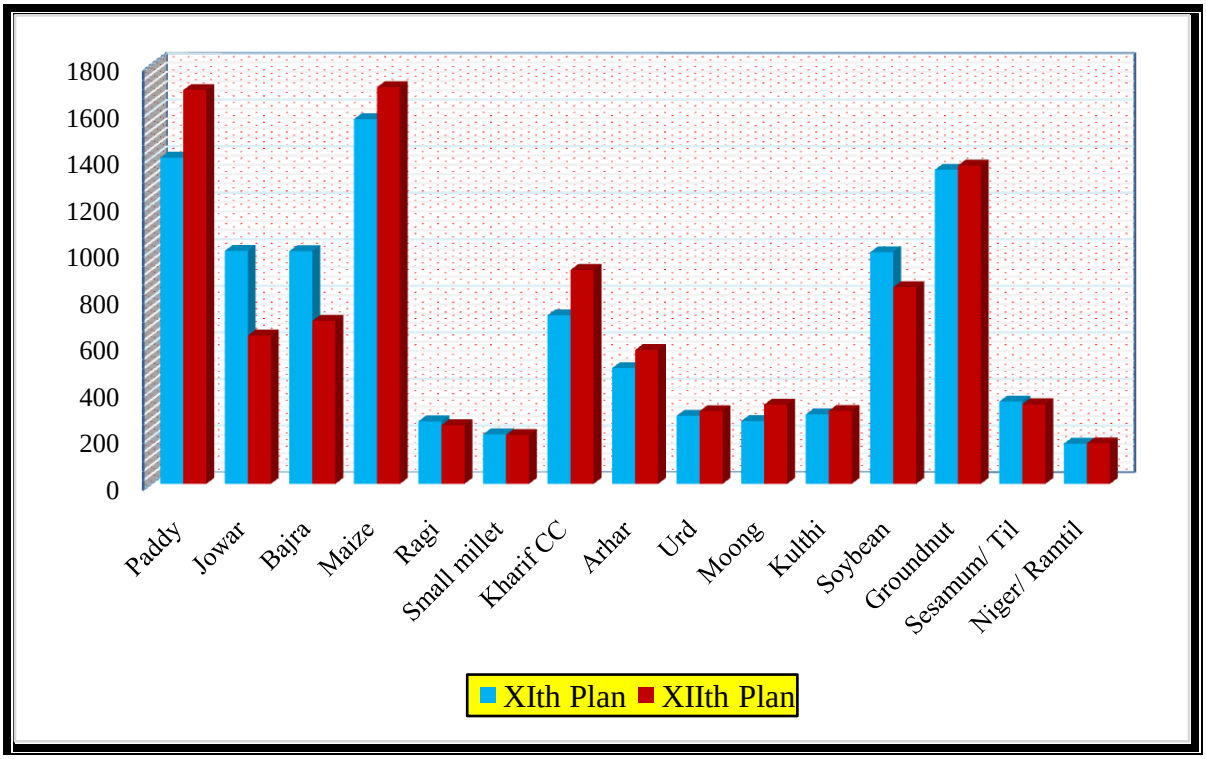
KHARIF CROPS SCENARIO: XIth & XIIth PLAN- CHHATTISGARH AREA



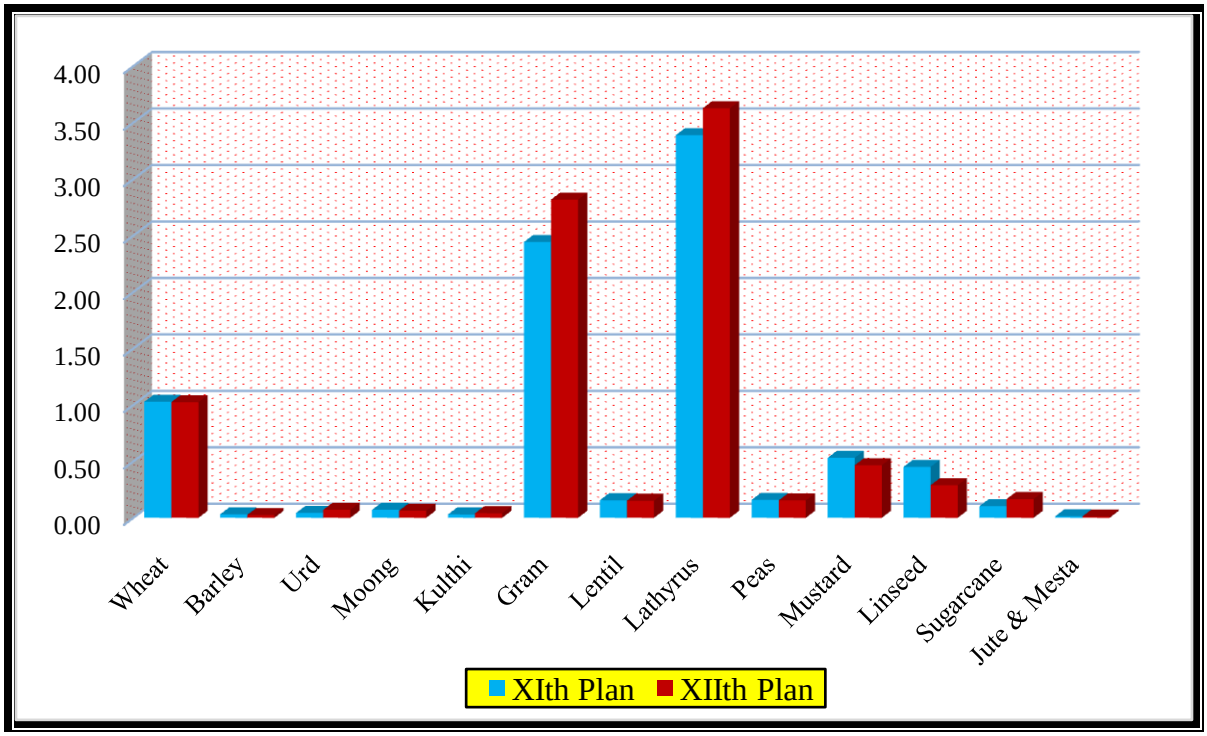
PRODUCTION



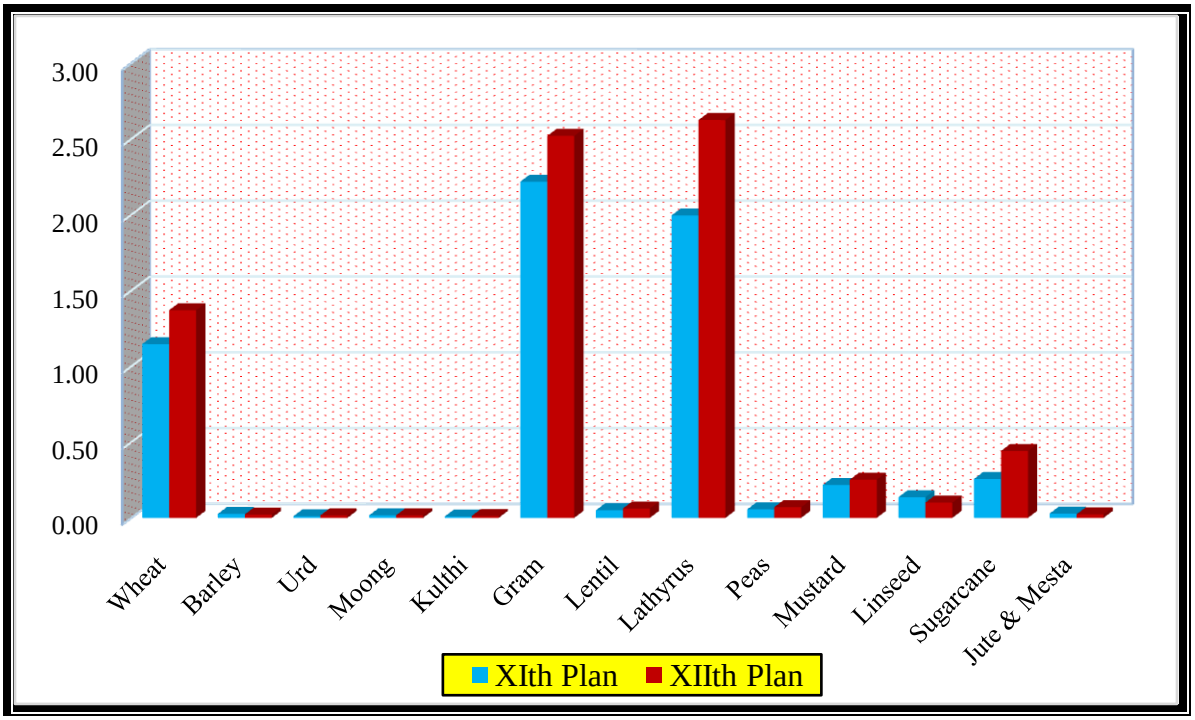
YIELD



RABI CROP SCENARIO: XIth & XIIth PLAN- CHHATTISGARH AREA



PRODUCTION



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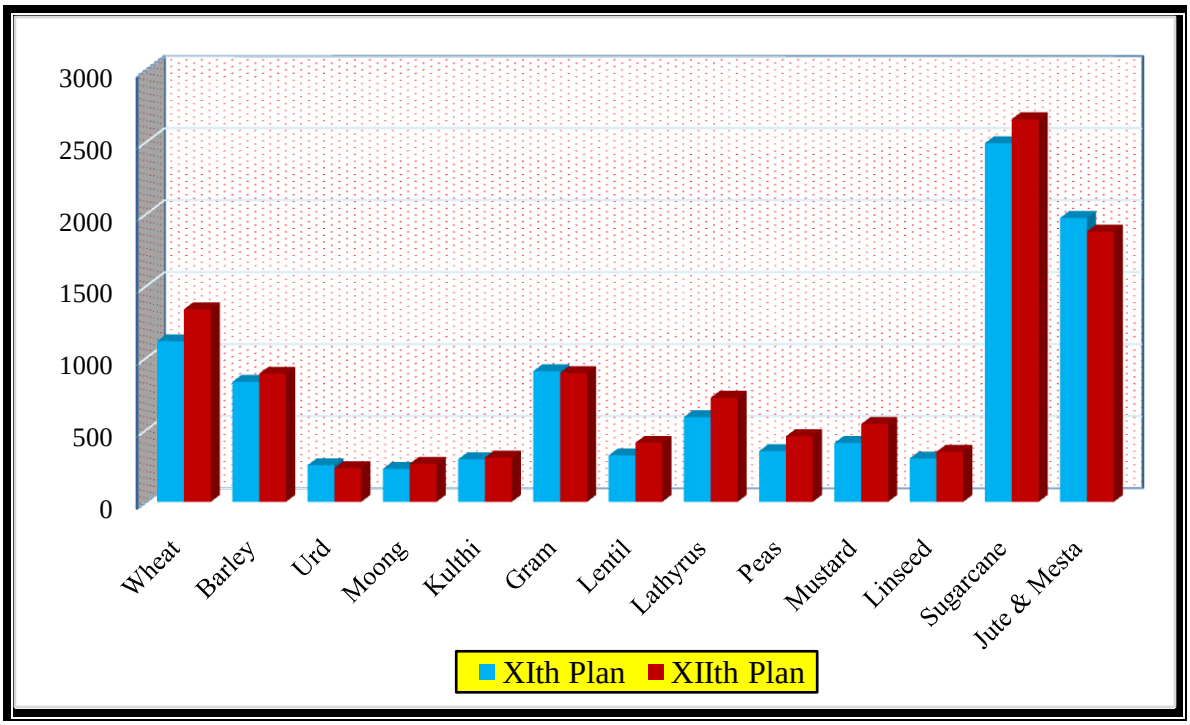

7. PRODUCTION PERFORMANCE OF CROPS DURING NFSM (2007-08 to 2016-17) OVER PRE NFSM PERIOD (2006-07)

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 many folds 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	72.60	1088.56	50.41	933.45	44	17
Wheat	2.01	966.43	0.92	758.07	118	27
Coarse Cereals*	2.65	443.42	1.78	339.24	49	31
Total Cereals	**77.26**	**2498.41**	**53.11**	**2030.76**	**45**	**23**
Coarse Cereals incl. Jowar, Bajra, Maize, Ragi, Barley, Other Minor Millets						
B. Pulses						
Pigeon pea	0.46	42.29	0.23	23.14	100	83
Gram	3.17	91.23	1.8	63.34	76	44
Urd	0.34	28.92	0.36	14.43	-6	100
Mung	0.07	21.26	0.05	11.15	40	91
Pea	0.29	-	0.06	6.15	383	
Lentil	0.12	-	0.05	9.13	140	
OKP	0.14	8.68	0.17	7.00	-18	24
ORP	2.08	28.99*	2.21	7.34	-6	295
Total Pulses	**6.67**	**221.37**	**4.93**	**141.68**	**35**	**56**
** ORP incl. Kulthi, Pea & Lentil record reported jointly by DES deptt. during 2016-17*						
C. Oilseeds						
Soybean	0.73	141.25	0.68	88.51	7	60
Groundnut	0.43	84.72	0.32	48.64	34	74
Sesamum	0.08	8.21	0.07	6.18	14	33
Niger	0.12	0.85	0.13	1.21	-8	-30
Mustard	0.21	79.12	0.24	74.38	-13	6
Linseed	0.09	1.42	0.17	1.68	-47	-15
OKO*	0.004	18.25	0.02	11.28	-80	62
ORO**	0.002	2.137	0.002	11.02	0	-81
Total Oilseeds	**1.67**	**335.96**	**1.63**	**242.90**	**2**	**38**
OKO- Inc. Castor & Sunflower*						
*ORO**- Incl Sunflower & Safflower*						
D. Commercial Crops						
Cotton	-	325.07	0.002	226.32		44
Jute & Mesta	0.02	100.63	0.029	112.73	-31	-11
Sugarcane	0.58	3099.84	0.19	3555.2	205	-13

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

8. TARGET/ACHIEVEMENT

8.1 Crop Scenario: Rabi- 2016-17

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

Crop	AREA			% Change over to 2015-16	PRODUCTION			% Change over to 2015-16	YIELD		% Change over to 2015-16
	2015-16	2016-17			2015-16	2016-17			2015-16	2016-17	
		Target	Achi. *			Target	Achi. *				
Wheat	1.55	1.78	1.68	8.29	1.53	2.58	2.43	58.82	987	1448	47

Maize	0.74	0.75	0.80	8.11	1.26	1.47	1.57	24.60	1703	1963	15
Summer Rice	1.49	1.75	1.50	0.67	3.62	6.84	5.87	62.15	2430	3913	61
Other Minor Millets	0.06	0.07	0.06	0.00		0.06	0.05			833	
Total Cereals	**3.84**	**4.35**	**4.04**	**5.17**	**6.41**	**10.95**	**9.92**	**54.76**	**1669**	**2456**	**47**
Gram	3.51	4.00	3.70	5.41	2.99	4.60	4.26	42.47	852	1151	35
Peas	0.44	0.55	0.50	13.64	0.14	0.32	0.29	107.14	318	580	82
Lentil	0.24	0.30	0.25	4.17	0.06	0.15	0.12	100.00	250	480	92
Mung	0.27	0.25	0.27	0.00	0.11	0.10	0.11	0.00	407	407	
Urd	0.11	0.15	0.15	36.36	0.03	0.06	0.06	100.00	273	400	47
Kulthi	0.25	0.30	0.25	0.00	0.08	0.14	0.11	37.50	320	440	38
Lathyrus	3.05	3.50	3.39	11.15	1.39	2.35	2.27	63.31	456	670	47
Total Pulses	**7.87**	**9.05**	**8.51**	**8.13**	**4.8**	**7.72**	**7.22**	**50.42**	**610**	**848**	**39**
Rapeseed & Mustard	1.13	1.55	1.46	29.09	0.49	0.94	0.88	79.59	433	603	39
Linseed	0.49	0.70	0.55	12.13	0.19	0.34	0.27	42.11	387	491	27
Safflower	0.05	0.10	0.06	26.05	0.01	0.03	0.02	100.00	210	333	59
Sunflower	0.07	0.15	0.01	-86.47	0.03	0.10	0.01	-66.67	406	1000	146
Sesame	0.03	0.05	0.02	-26.20	0.01	0.02	0.01	0.00	369	500	36
Groundnut	0.25	0.30	0.25	0.44	0.30	0.47	0.39	30.00	1205	1560	29
Total Oilseeds	**2.02**	**2.85**	**2.35**	**16.39**	**1.03**	**1.90**	**1.58**	**53.40**	**510**	**672**	**32**
Sugarcane	0.32	0.35	0.35	9.37	0.93	0.97	0.97	-37.63	2906	2771	-43
Vegetables	1.43	1.70	1.50	4.90							
Total Rabi	**13.73**	**16.25**	**14.90**	**8.52**	**12.24**	**20.57**	**18.72**	**52.94**	**892**	**1257**	**41**

Source: SDA, Govt. of CG, IInd Advance Estimate 2016-17

8.2 Crop Scenario: Kharif 2016

(A-lakh ha, P-lakh tonnes)

Crops	Area				Production			
	2015 Achieve.	2016-17		% incr./decre. over 2015	2015 Achieve.	2016-17		% incr./decre over 2015
		Target	Achi. *			Target	Achi. *	
Rice	37.09	36.26	37.05	-0.1	41.92	76.88	73.63	76
Maize	2.08	2.24	2.25	8.2	3.65	4.27	4.25	16
Minor Millets	0.83	0.92	0.83	0.0	0.12	0.39	0.33	175
Total Cereals	**40.00**	**39.42**	**40.13**	**0.3**	**45.69**	**81.54**	**78.21**	**71**
Arhar	1.25	1.45	1.43	14.4	0.75	1.01	0.93	24
Urd + Moong	1.80	2.00	1.81	0.6	0.58	0.93	0.83	43
Kulthi (Horse Gram)	0.37	0.43	0.34	-8.1	0.13	0.20	0.15	15
Total Pulses	**3.42**	**3.88**	**3.58**	**4.7**	**1.46**	**2.14**	**1.91**	**31**
Soybean	1.37	1.52	1.34	-2.2	0.82	1.96	1.73	111
Niger	0.63	0.81	0.64	1.6	0.10	0.25	0.20	100
Other Oilseeds	0.90	1.05	0.94	4.4	0.75	1.07	0.96	28
Total Oilseeds	**2.90**	**3.38**	**2.92**	**0.7**	**1.67**	**3.28**	**2.89**	**73**
Vegetable & Other Crops	1.37	1.42	1.42	3.6				

Grand Total	**47.69**	**48.10**	**48.05**	**0.8**	**48.82**	**86.96**	**83.01**	**70**

Source: SDA, Govt. of CG, IInd Advanced Estimate 2016-17.

9. CROP DEVELOPMENT SCHEMES/PROGRAMMES IN CHHATTISGARH

9.1 Allocation & Expenditure : NFSM- (2015-16)

(Rs. In Lakh)

S. No.	Name of Crop/ Scheme	Revalidate	Allocation	Total Release	Available Amount	Expenditure	Unspent Balance as on 01.04.2015
1	Paddy	1819.20	7224.00	3612.02	5431.22	4626.78	804.44
2	Pulses	1785.24	4274.22	2137.10	3922.34	2707.62	1214.72
3	Additional Pulses	827.21	1654.42	827.21	1654.42	1327.51	326.91
4	Coarse Cereals	36.22	194.00	97.00	133.22	133.22	
Total		**4467.87**	**13346.637**	**6673.33**	**11141.20**	**9122.04**	**2019.16**

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	2202.87	2202.87	2491.28	-288.41	113
2	Pulses	6130	3022.55	3022.55	2732.76	289.79	90
3	Additional Pulse	1600	1600	1600	1015.32	584.68	63
4	Coarse Cereals	260	130	130	118.37	11.63	91
	Total	**12649**	**6955.42**	**6955.42**	**6357.73**	**597.69**	**91**

9.3 Centrally Sponsored Schemes:2016-17-Tentative Expenditure IIIrd Quarter

(Rs. In Lakh)

S.No	Schemes	Allocation 2016-17	Total Amount Available (Release +UB)			Expenditure Ending December, 2016	% Exp. against total amount available
			Total GOI Share	Total State share	Total (GOI+State)		
1	**NFSM**	12649.00	4173.25	2782.17	6955.42	6055.42	87
2	**NMOOP**	701.64	189.77	126.52	316.29	250.82	79
3	**RKVY**						
a	RKVY (Normal)	4345.00	1844.86	1229.92	3074.78	1992.52	65
b	BGREI	16501.82	5290.19	3526.79	8816.98	7493.34	85
	TOTAL	20846.82	7135.05	4756.71	11891.76	9485.86	80
4	**NMSA**						
a	RAD	400.00	632.14	421.43	1053.57	309.42	29
b	SHM		465.81	53.01	518.82	483.97	93
c	SHC	997.16	425.80	283.87	709.67	171.78	24
d	PKVY		314.78	209.85	524.63	66.00	13
	TOTAL	**1397.16**	**1838.53**	**968.16**	**2806.69**	**1031.17**	**37**
5	**NMAET**						
a	SMSP		280.96	187.30	468.26	282.70	60
b	SMAE	2128.78	1050.95	700.64	1751.59	1751.59	100
c	SMAM	1006.67	649.40	432.94	1082.34	629.10	58

i	Establish Farm Machinery Banks for Custom Hiring	500.00	285.00	190.00	475.00	14.00	3
ii	Establish Hi-Tech, High Productive Equipment Hub for Custom Hiring	160.00	50.00	33.33	83.33	0.00	0
d	SMPP	371.27	7.57	5.04	12.61	12.61	100
	TOTAL	**4166.72**	**2323.88**	**1549.25**	**3873.13**	**2690.00**	**69**
9	**IWM**		5236.79	3491.20	8727.99	8727.99	100
10	**PMKSY**	3000.00	879.71	586.48	1466.19	1405.64	96
TOTAL CSS		**42761.34**	**21776.98**	**14260.49**	**36037.47**	**29646.90**	**82**

10. Summary field visit/Activities

District	Village/Block	Events organized/ activities exhibited to NLMT	Remarks/observations
Dte. of Agri., Raipur (State HQ)		Briefing Meeting	• The NLMT had a briefing of all the programmes being implemented under NFSM. Director Sameti, MD-SSC, DES/DRS-IGKVV etc participated in this. • BTM-ATMA State model offer under ATMA awaits approval of ACS/APC and also SLSC. • IGKVV has capacity to provide all bio agents PSB+Rhizobium for whole CG subject to indent fund SDA. • Against the target of 38.90 SHC > 30 Lakh (distributed) • Lathyrus varietal replacement program has been focused, 100 qtls Breeder Seed has been demanded by SSC; (6 Lakh ha rice fallow area targeted for Lathyrus)
Rajnandgaon	Vill.-Bhardakalan, block- Khairagarh	NFSM- Chickpea+ Coriander intercropping Cluster Demonstration (var. JAKI-9218)	• Beneficiary- Shri. Chandrika Sahu • The team has suggested for adoption of intercropping of Chickpea+ Coriander (4:1) chickpea + mustard (4:1), Chickpea+ linseed (4:2). • Physiological stage- Dough; 1st irrigation by sprinkler at 35-40 days- + 2nd 70-75 DAS. • Expected yield 20-25 qtls/ha
	Vill.- Pendrikalan, block- Khairagarh	Custom Hiring Centre- Jai Banjari Maa	• Shri. Manohar Sahu • RKVY funded Project: cost- Rs. 25.36 lakh (Rs. 10 Lakh subsidy) • Thresher+ harvester+ Paddy transplanter etc machieneries

			available.
District	**Village/Block**	**Events organized/ activities exhibited to NLMT**	**Remarks/observations**
Rajnandgaon	Vill. Tilai, block-Rajnandgaon	NFSM-Local Initiative component (2015-16) - Storage Godown	• Beneficiary Name- Shri. Sushil Jain • Godown Size- 40'X35' • Rs 1.5 lakh subsidy • In Rajnandgaon a total of Rs. 87.25 cr. has been allocated under NFSM during XI and XII plan. • Under NMOOP, Rs 53 Lakh expenditure-(100%) has been indicated.
	KVK-Rajnandgaon, Suragi		• 22 Wheat varieties, crop cafeteria • BDN-711 Pigeonpea bund cultivation 22-24 qtls/ha yield, 26 June sown • Harvesting 15 Jan (180-210 days var.) • Tractors thresh, proposed to use as seed.
Dhamtari		Briefing Meeting	• Burning of crop residue of paddy and wheat field harvested by thresher, Stem-borer in paddy is a major issue in CG including Dhamtari. • In-situ, decomposition of paddy straw/stubble in Rice based cropping system which has increased mechanisation/ harvesting need popularisation of *Trichoderma spp.* • More than 44,000 ha summer rice area in Dhamtari has been noticed. Earlier this areas was > 66000 ha. sprouted paddy seed in puddle field @ 150 kg/ha as broadcast planting, is a general practice during summer cultivation. • Decrease in area under summer rice has been reported to be diverted under soybean and Maize crop.

District	Village/Block	Events organized/ activities exhibited to NLMT	Remarks/observations
Dhamtari	Village- Amdi, block-Dhamtari	BGREI- Wheat Demonstration (var. GW-322)	• Stem borer of wheat (Pink borer) has been noticed in wheat, although it is below ETL. • Sprinkler system given under PMKSY. • 350 shallow tube wells (75'deep) have been constructed. • Paddy thresher- (Shri. Suresh Kumar Sahu) - BGREI (2014-15 Beneficiary) also used for Lathyrus, Total cost- Rs. 1.65 Lakh (Rs. 40,000 Subsidy)
		NFSM- Rotavator distribution (2016-17)	• Beneficiary- Rameshwar Rs. 1.20 Lakh (subsidy- Rs. 35000/-) • Mostly used for paddy field puddling • Also used for Custom Hiring-@ Rs. 900 per hour.
		Farmer- Hari Ram Sahu	• Innovative farmer, diversified Agriculture. • Also ATMA activities being conducted in this village. • Mini Rice mill, Mini Dal Mill, construction of godown as local initiatives in the district is under implementation. For mini mills or its groups Rs. 1.00 Lakh upto Rs. 2.50 lakh total cost of the machineries is being provided under NFSM.
	Vill.- Mujgahan, block- Dhamtari	NFSM- Chickpea Demonstration, (var. JAKI-9218)	• Beneficiary- Shri Chandan Sahu • Sown on Nov. 19th, 2016 and harvested on Feb. 28th, 2017. • 110 days variety, 2 irrigation (1st vegetative stage + 2nd before flowering) and the crop was good • Expected yield- 18-20 q/ha. • 182 farmers, 150 ha cluster of gram, JG-130, JG-74 and JAKI-9218.
		NFSM- Local initiatives	• Shri. Jethuram Jagat, Local initiatives- Godown (by NFSM during 2015-16).

District	Village/Block	Events organized/ activities exhibited to NLMT	Remarks/observations
Kanker	Vill. Surahi, Vill.- Marwadi Vill.- Badal (block- Narharpur)	BGREI- Cluster, crop- Wheat (var- HI-1544)	• 76 beneficiaries, 50 ha, sown on 26-12-2016 • Pendimethalin was used to kill the unwanted plants and weeds.
		IWMP- Pond (2015-16)	• Rs. 1.6 lakh & Fish Culture • Dabri bunds also have Pigeonpea under BGREI. • Crop diversification also seen. • Under TRFA- gram var. JAKI-9218 demonstrated in this village. • Farmers of this village have sown wheat and gram for the first time. • Very good crop diversity (gram, field pea, wheat, maize, groundnut, beans, onion coriander, a most encouraging remarks of this area.
	• KVK, Kanker Birbal Sahu (PC, KVK, Kanker) Mo. No. 9424710953	NFSM- Seed hub, Chickpea (var-JG-130, JAKI-9218)	• Sown on 68 ha & registered for seed production • Crop condition reported as satisfactory. • The IFS in KVK has been demonstrated including poultry, goatery, dairy, horticulture etc.
	Vill- Rishewada, block- Narharpur	TRFA Programme- Oilseed (Groundnut demo.)	• 3 farmers/01 ha. area • Var. K-6; sown on 12 Jan, 2017; 100 kg/ha seed rate. • Crop stage- flowering. • Sunflower also planted on bunds.
	Vill- Largaon/Markatola, block- Narharpur	NFSM Coarse cereals field visit	• Most diversified village; NAIP project -2010 constituted Community Groups. (2007 to 2010-NAIP) • Spices such as *Nigella sativa (Kalounji/Karayat)* and Aniseed (Sounf) *Pimpinella anisum*. • Drip supported cucurbits (bitter gourd, bottle gourd, Pointed gourd, Ivy gourd etc.). • NFSM- Coarse cereals • 20 ha; 30 beneficiaries. • Maize hybrid Prabal-MO-1 • Seed Rate 8 kg/acre. • Maize is increasing in this area.

District	Village/Block	Events organized/ activities exhibited to NLMT	Remarks/observations
Kanker	Vill- Largaon/Markatola, block- Narharpur	NFSM Coarse cereals field visit	• Input PSB culture- 2 packs/Azolla, bacteria cultivation, Mychorizza- 1 kg/acre • Physiological stage - grand growth stage; in some fields tassel stage (Zeera/Male organ formation) to silking stage (Cob initiation). • Crop condition is very good, however Stem borer observed.
	Vill- Kanharpuri,	ATMA- SHG, Jai Pragati Mahila Swasahayata Samooh	• Engage in value addition and processing of custard apple pulp. • @ Rs. 150 per kg preserved/frozen pulp • Custard apple seed @ Rs. 300/kg
Kondagaon		Briefing Meeting	• Budgetary allocation- Rs. 14.50 crore (71%) • Rabi- 44,000 ha + Kharif-1.65 L ha area. • Drip and rain gun is popular • Paddy CCE 40-110 qtls/ha. var. Arize gold. • Kharif Urd PU-31 & Local variety of Urd, Ricebean Rajma during kharif is also grown as mixed crop. • Local initiative proposed- mini dal mill. • Maize is sold @ Rs. 1400- 1600/ qtls and being purchased at Rajnandgaon. • Seed production being taken up. • Deployment Soil conservation staff is a major constraint • Traditional Urd variety T-9 also grown, MTU-1010 is popular variety of paddy.
	Vill. - Chilputti, Block- Kondagaon,	State Plan- Shakambhari Yojana Scheme & Shallow Tube-well	• Electric pump: Rs. 11,500/-+ Accessories Rs. 2500/- • Farmer Shri. Negi Ram, Paddy yield- 24 qtls/ha, Maize yield- 20 qtls/ha. • All three stages of crop growth of maize is visible in the district.

District	Village/Block	Events organized/ activities exhibited to NLMT	Remarks/observations
Kondagaon	Vill. - Chilputti, Block- Kondagaon,	State Plan- Shakambhari Yojana Scheme & Shallow Tube-well	• 5 HP Pump (Cost- Rs. 19500/- + Well- Diameter- 6 m & Depth 12 m. • 75% subsidy for pump (Rs. 14625/-) + 50 % of the cost of the well, maximum 34200/-.
	Vill. -Bhugadi, Block- Kondagaon	Check Dam under (BGREI-2012-13) (Cost Rs. 9.99 Lakh)	• The Check dam was filled upto it's catchment; 7-8 farmers are taking advantage, vegetables cluster have been developed.
Jagdalpur	Vill. -Erandpal Block-Tokapal	Cluster FLD -Gram (Var. JAKI-9218)	• Area 10 ha/17 beneficiaries. • Variable sowing dates of crop in a week span a regular/traditional practice depending on the soil. • Crop affected with wilt.
	Village-Rajur, Block- Tokapal	ATMA Demonstration- Urdbean (PU-31)	• Sown on Dec. 28th, Yellow Mosaic was visible, higher seed rate was used, crop condition is good, at flowering stage. • Seed was supplied by NSC.
	Vill. –Hardpadmaur Block- Jagdalpur	NFSM-Cluster Demo.- Mungbean (SML-668)	• Urd sown on Feb., 14th, 2017, Area- 15 ha, 17 beneficiaries. • The Sour Sujala Yojna beneficiaries were visited. • These beneficiaries have taken Mung cluster demonstration also mix crop cowpea & ladyfinger. • NLMT advised to follow Seed treatment, line sowing & other technological recommendation in conduct of demonstration.
	Village-Bakel, Block -Bastar	• Cropping System Based Demonstration: Dhan-Maize. • Double Crop expansion area programme	• Under Shakambhari Yojna, alongside the river Narangi 150 ha maize crop was sown during rabi summer. • 45 pump were distributed under BGREI + Shakambhari Yojna. • The demonstration is very good and the maize crop was in different stages of physiological growth i.e. tesselling-silking/cougth formation stage. JNU 502 maize is hybrid was mostly grown.

Observations

- The overall crop scenario in the state was very good. No incidence of insect-pest and disease was noticed throughout the visit in different districts.
- In Dhamtari, under *Local Initiatives* component the *seed godown* was visited by the team, it was noticed that this godown was lacking prescribed rodent proofing, a pre-requisite for such structure.
- The Custom hiring centre and the other equipment and machineries supported under National Mission on Agriculture Mechanization (NMAM) should be documented at state level by the Dte. of Engineering in terms of its impact on cost of cultivation, maintenance and need based feed back of the machineries' provided.
- The local initiative component i.e. storage godown is very useful and successful. In village Tilai paddy (var. Mahamaya) whose rates were @ Rs. 1150.qtls at the time of harvesting i.e., Nov. At the time of visit Feb 27th, paddy rates are @ Rs. 1600/ qtls, the farmer is deriving the benefits of the storage godown constructed under NFSM.
- Funds under Sub-mission on seed and Planting Material (SMSP) for distribution of seed are given to SSC.
- The DBT Scheme is proposed to be implemented from 2017-18. The Aadhar feeded data is being collected at district level. PFMS/ECS is not under implementation in the district.
- Under RKVY the state govt. is implementing *shallow tube wells @ Rs. 20,000/- (Rs. 5000/- boring charges + Rs. 15000/- Pumps- 3 HP) and Checkdam- @ Rs. 10.00 Lakh.*
- 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. The deterioration in the quality inputs under NFSM and BGREI has been observed from 2014-15 onwards
- 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.
- State quality control lab of pesticides handles 19 types of pesticides but no pesticides samples are being made available to this lab
- Ridge and Furrow system of Soybean with JS-9752 in 5:2 intercropping soybean +Pigeonpea (var. Asha+ Rajeev lochan 180 days) was also found as demonstrated.
- About 20,000 ha area under pulses has been diverted due to non-release of water from dams (Gangrel or Madamsilli, Dudhawa, Sondur, Gariyaband).
- Mid duration Paddy hybrid US-312, US-382, DRS-775 (120-130 days) and long duration (140-145 days)-Arize gold (6-444) of Bayer Company and US-366 are popular in Kanker and adjoining districts of CG.

- Pre-emergence herbicide- *Atrazine* supplied under NFSM coarse cereal for Maize has not been found effective. Shri. Chitrasen Sonkar & others. (Mo. 9516331373).
- In district Dhamtari under BGREI, wheat variety GW-273 was demonstrated on 150 acres. The district is known for summer rice cultivation but farmers have developed its own cropping system like rice-chickpea (green pod)-summer rice and rice-pea (green pea)-summer rice.
- At Mujhgahan Shri Chandal Sahu, chickpea demonstration was good but there was no adoption of line sowing.
- In general the custom hiring centers provided under NFSM/RKVY etc. is helping farmers earning handsome money/employment through hiring thresher and Rotavator etc. .
- Shri Hari Ram awarded *krishak utpadakta puruskar* with cash Rs.50000/- 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 it was not having rate protection structures.
- The team also visited Kanker KVK, PC done very excellent work on IFS, Kadak Nath Chicks production as well as on Nutritional garden. There is need to replicate these models in the state as well as in the country where it is possible.
- Maize is the traditional crop, adjacent to house, in badi. Horsegram (Kulthi) is another crop under pulses. Toria is grown after harvest of maize, ragi *(finger millet)* Kodo and kutki are major minor millets of the area. (1600 mm Rainfall in 2016-17).
- Maize is major crop during Rabi/Summer i.e. 30,000 ha. RKVY shallow tube wells Shakambhari check dam has contributed in expansion of maize. However the area converged is under- reported and is not being captured by the state land records.
- During summer the mungbean varieties IPM 410-3, IPM-2-7 are being popularized.
- In district Kondagaon River Narangi is life line of Kondagaon. Team visited kondagaon district, where team found farmers takes winter and summer maize crops in thousands of hectares due to the department provided huge amount of diesel and electric pumps to the farmers and also done good water harvesting structures.

  There is need to change either the existing cropping system or otherwise soil should be unproductive for the future.
- In Bastar the team visited at Rajur, Tokapal block, there was good chickpea crop stand but they do not follow line sowing because of land situation was not suitable for good field preparation. Small fields do not dry uniformly at the same time hence sowing is done in pieces at different plots of the same field at 2-3 intervals as per the moisture conditions. Due to this constraint sowing was delayed.

- Sourya Urja Yojna (Solar energy) at Hatpadmur was excellent work, Solar system established in more than six unit. This yojna was executed by DDA and CREDA, this system can be replicate in entire state where electrification is still not reached
- At village Bakel, Bastar block, team saw a mass area of winter and summer maize, the crop was excellent, farmers are using water from Narangi Nadi by diesel or electric pumps which was provided by department of agriculture, due to anicut (water storage structure) good amount of water storage. There is need to change the copping system otherwise soil should be unproductive for the future.
- 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.
- In district Kondagaon River Narangi is the life line. The department has provided huge number of diesel and electric pumps to the farmers and also done good work on water harvesting structures. The availability of irrigation resources has resulted in expansion of huge area under Summer Maize for the last 2-3 years.
- During Rabi/Summer Maize is major crop *i.e.* 30,000 ha in Kondagaon district. However, the area converged is *under-reported* and is not being captured by the State Land Records (SLR). Such diversion of crops/area expansion should be reported for future planning.
- In Bastar, Maize is the traditional crop, grown adjacent to house in badi. Horsegram (Kulthi) is another pulse crop of the area. Toria is grown after harvest of maize, ragi *(finger millet)* Kodo and kutki are major minor millets of the area. In Bastar & Kondagaon area, spring/summer maize is coming in a big way which may be attributed to development of infrastructure under irrigation support and MIS.
- With increase in irrigation facilities, during summer the Mungbean varieties IPM 02-14, IPM-2-3 are being popularized.
- In Bastar the team visited at Rajur, block Tokapal, to see cluster demonstration of gram, crop stand was good, however, line sowing was not followed as the soils were not suitable for good field preparation.
- Here the undulated small pieces of land holding do not dry uniformly, hence sowing is done in pieces at different plots of the same field at 2-3 intervals as per the moisture conditions. Due to this constraint sowing was also delayed.

- At village Bakel, block Bastar, a mass area of winter and summer maize was visited, the crop was excellent, farmers are using water from Narangi Nadi by diesel or electric pumps provided by the department of agriculture, due to '*anicut'* (water storage structure), a good amount of water storage was there.
- The stop dam/check dam constructed under various schemes has contributed the recharging of dug-wells, increase in crop diversification and the cropping intensity in whole of the state, including Bastar division.

- Functioning of multiple extension system has been noticed in the state. Farmers also receive the advisory on Agriculture through Reliance Foundation over SMS. The Pesticide dealers, Seed suppliers, Micro-nutrients dealers also function as extension agents.
- Farmers in Bastar prefer *Local Urd germplasm,* which is *trailing type* with high *vegetative mass and cluster fruiting with long duration*, sown during second fortnight of August to 1st fortnight of September and matures by October last to November (> 100 days maturity).
- During 2015-16, oilseed and pulses quality seed was not available for Bastar division hence, the *distribution of seed component* could not be implemented.
- 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.

  A total of 6 such tube-wells have been installed in Village-Hardpadmaur (Jagdalpur). NGO, The Geeta Foundation working on *Organic Crop Production* is also extending credit support towards boring cost with some MoU with the farmers.
- The Suryas Power Industries has done the MoU with CREDA-Chhattisgarh Renewable Energy Development Agency for Sour Sujala Yojna of the Government.
- *NFSM-Seed-hub programme* (2016-17 to 2018-19) is being implemented at 6 KVKs namely Bhatapara, Sarguja, Rajnandgaon, Kawardha, Kanker & Janjgir-champa.
- Against a targets of 3200 q of seed production during 2016-17 under NFSM Seed hub, expected production is 3307 q for all pulses (*Pigeonpea –var. Asha-332 q ; Fieldpea-var. Parash Adharsh& Shubhra- 615 q; Chickpea- var. JG-14 , JAKI-9218, JG- 63 & JG-130 -2120 q ; Lentil var. Azad Masur-2 (KLS-218)-150 q ; Green gram var.- IPM-02-14- 90 q.* Pigeonpea var. Asha is more than 24 years old.
- In Chhattisgarh, the work relating to seed processing and storage infrastructure has been initiative in almost all the centers.

- The procurement policy, storage and lifting off the seed for succeeding season is not yet finalized both at the level of nodal agency *i.e.* IIPR & implementing agency/institute *i.e.* ATARI/SAUs/KVKs.
- During kharif 1036 ha/ 2516 nos. of demonstration of pulses (*Pigeonpea-922, Mung bean 530, Urdbean 770 and Horse gram 294*) were organized. While during rabi a total of 1152 ha /2570 no. of cluster demonstration under Chickpea- 1411, Green gram- 10, Lentil- 307, Lathyrus -201 and Pigeonpea- 163, have been organized.
- The Director Extension IGKVV, Raipur also gave an account of FLDs on Oilseed for both the season (kharif 290 ha /620 no.; rabi 821 ha/1914 no.). Crops covered during kharif were Groundnut, Niger, Sesame and Soybean. The rabi crops were Linseed, R&M, and Sesame.
- Pulses seed minikits under Gram, Urdbean and Mungbean, totaling to 29000 nos. (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 2016-17. A total of 46500 minikits were demonstrated.
- The team also had a meeting with the hounarable Vice-Chancellor Dr. S.K. Patil, IGKVV (C.G.) and discussed the various research and Technology transfer aspects relating to the State.
- The Vice Chancellor informed that State Bio-Control Laboratory TCB, College of Agriculture & Research Station Sasal Farm, Chorbhatti, Bharni District-Bilaspur is registered with CIB (Central Insecticide Board) for Tricoderma viride 1.5% WP including other Bio-fertilizers.
- Sufficient quantities 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.

RECOMMENDATIONS

- The NLMT recommends that there should be a single agency to implement mechanization component in the State. It should be either the DDA or Directorate of Agricultural Engineering.
- As also suggested by almost all the districts/farmers, bulk demonstration/Cluster demonstration of 100 hectares should be curtailed and be minimized to 10-15 ha per cluster. During the course of field visits for the last > 03 years no cluster demonstration of pulses with 100 hectares prescribed area could be seen. This will not only facilitate the quality technological demonstrations but would benefit the farmers in remote areas as well.
- Stem borer of wheat (Pink borer) noticed in certain visited districts. This need to be monitored seriously by formulating a team of SDA + KVK so that the insect infestation may be contained in the initial stage.
- Paddy variety *Swarna Sub-1, stress tolerant for submergence area and Rajeshwari for survival in dry spell area* were reported by KVKs as surviving well. The department may take demonstration of this variety while conducting sole or CSBD in the identified blocks with varied AES.
- 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.
- Due to crop diversion towards spring/summer maize in Bastar parts and continuously growing of paddy the soil are becoming fatigue acidic. The upland and summer paddy areas should be diversified towards oilseeds and pulses.
- The IWMP should be implemented with catchment based treatment of watershed area.
- 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.
- 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.
- 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.
- Saur Sujala Yojna (Solar energy) at village Hatpadmur was noticed as excellent work by the department. Solar system prompted the farmers to grow summer pulses and vegetables in the area. This system can be replicated in entire state where electrification is still not reached.
- 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.
- 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.

FIELD VISIT PHOTOGRAPHS

DISTRICT-KANKER

Maize Demo. (var. hybrid Prabal-MO-1) Block – Narharpur, Village- Surahi

TRFA Programme*: Groundnut Demo. (Var. K-6) Block-Narharpur, Village-Rishewada

DISTRICT-KANKER

Fieldpea Demonstration Variety- IPFD 99-13 (Vikas)

Gram Demo. (Var. JAKI 9218), Block- Narharpur, Village - Marwadi

DISTRICT-JAGDALPUR

Summer Mungbean Demo. (Var. - SML 668) Block- Jagdalpur, Village–Hardpadmaur

CREDA & Sour Sujala Yojna of CG Govt, Block- Jagdalpur, Village–Hardpadmaur

DISTRICT-JAGDALPUR

Small Reservoir (Pond) Development under IWMP*, District-Jagdalpur

Check Dam under BGREI-2012-13, Block- Kondagaon Village –Bhugadi

DISTRICT-JAGDALPUR

Cluster FLD Demo. of Gram (Var.- JG 74), Block -Bastar, Village-Bakel

Interaction with Farmers, Block- Jagdalpur, Village–Hardpadmaur

DISTRICT-JAGDALPUR

Cluster FLD Demo. of Gram (Var.- JAKI 9218), Block-Tokapal, Village –Erandpal

Hybrid Maize (Var.- JNU 502), Block -Bastar, Village-Bakel

DISTRICT-DHAMTARI

Wheat Demo. under BGREI (Var.- GW 322), Block –Dhamtari, Village –Amdi

Paddy Thresher under BGREI (2014-15), Block –Dhamtari, Village –Amdi

DISTRICT-DHAMTARI

NFSM- Local initiatives - Godown under NFSM 2015-16, Block -Dhamtari, Village-Mujgahan

NFSM-Chickpea Demo. (var. JAKI-9218), Block -Dhamtari Vill.-Mujgahan

INNOVATIVE ACTIVITIES
KANKER KVK

Kadaknath Hatchery Unit

Nutritional Garden at KVK and School

Mushroom Production at village Singarbhat Kanker by Smt. Agas Bai

Water Harvesting

Rabi maize in place of summer rice

(Annexure-I)

APPROVED COST NORMS & INPUT CAFETERIA : 2016-17

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)** cost	
	Distribution of PP Chemicals	Rs.500/-ha or 50% of the 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 2016-17

1. NFSM-RICE

Month-January 2017 **(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	1898	1898	142.35	105.42
(ii)	Rice Line Transplanting		ha	2450	2450	183.75	137.53
(iii)	Rice SRI		ha	1750	1750	131.25	88.10
	Sub Total a(i) to a (iii)			**6098**	**6098**	**457.35**	**331.05**
(b)	Cluster demonstrations on hybrid rice (one cluster of 100 ha)	Rs. 7500/ha	ha	8250	8250	618.75	507.32
(c)	Demonstrations on stress tolerance variety	Rs. 7500/ ha	ha	500	500	37.50	26.19
(d)	Cropping System based demo						
(i)	Rice-Gram	Rs. 12500/ha	ha	2200	2150	275.00	137.25
(ii)	Rice-pea	Rs. 12500/ ha	ha	1200	1200	150.00	61.23
(iii)	Rice-Maize	Rs. 12500/ha	ha	2200	2200	275.00	150.65
(iv)	Rice-Lathyrus/Groundnut/ Rabi Arhar	Rs. 12500/ha	ha	400	350	50.00	11.91
	Sub Total d (i) to d (iv)			**6000**	**5900**	**750.00**	**361.04**
	Sub Total 1 (a to d)			**20848**	**20748**	**1863.60**	**1225.60**
2	**Seed distribution:**						
(a)	Hybrid Rice	Rs. 5000/Qtl	Qtls	2500	241.68	125.00	9.57
(b)	HYV Seed	Rs. 1000/Qtl	Qtls	80680	25597.46	806.80	153.01
	Sub Total 2 (a) to 2 (b)			**83180**	**25839.1**	**931.80**	**162.58**
3	**Plant and soil protection management:**						
(a)	Micronutrients	Rs. 500/ha	ha	53770	24162	268.85	107.42
(b)	Liming in acidic soils	Rs. 1000/ ha	ha	6000	3069	60.00	24.72
	Sub Total 3 (a) to 3 (b)			**59770**	**27231**	**328.85**	**132.14**
(c)	Plant protection chemicals and bio-agents	Rs. 500/ ha	ha	34000	27546	170.00	131.76
(d)	Weedicides	Rs. 500/ ha	ha	40000	19957	200.00	100.74
	Sub Total 3 (c) to 3 (d)			**74000**	**47503**	**370.00**	**232.50**
	Sub Total (a) to 3 (d)			**133770**	**74734**	**698.85**	**364.64**
4	**A. Resource conservation techniques/ tools unde NFSM**						
(a)	Conoweeders	Rs. 600/Unit	Nos.	3800	100	22.80	0.60
(b)	Manual Sprayer	Rs. 600/Unit	Nos.	14890	11064	89.34	55.88
(c)	Power Knap sack sprayers /Foot sprayer	Rs. 3000/Unit	Nos.	1546	1169	46.38	24.99
(d)	Multi crop planters	Rs. 15000/Unit	Nos.	15		2.25	
(e)	Seed drills	Rs. 15000/Unit	Nos.	400	60	60.00	8.10
(f)	Power weeders	Rs. 15000/Unit	Nos.	35		5.25	
(g)	Zero till multi crop planters	Rs. 15000/Unit	Nos.	22		3.30	
(h)	Drum seeder	Rs. 1500/Unit	Nos.	100		1.50	
(i)	Rotavators	Rs. 35000/Unit	Nos.	500	359	175.00	120.31
(j)	Laser land levelers	Rs. 150000/Unit	Nos.	15		22.50	
(k)	Paddy thresher/multi-crop thresher	Rs. 40000/Unit	Nos.	300	225	120.00	89.20
(l)	Self propelled Paddy transplanter	Rs. 75000/Unit	Nos.	30	6	22.50	5.25
	SubTotal 4 (a) to (l)					**21653**	**12983**

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.	57	37	34.20	24.26
	Total Machinery (4a + 4b)			**57**	**37**	**34.20**	**24.26**
5	**Water Application Tools**						
	(a) Incentive for pump sets	Rs. 10000/Unit	Nos.	500	126	50.00	25.63
	(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.	111875	27175	44.75	10.75
	Sub Total 5(a) To 5(b)					**94.75**	**36.38**
	Sub Total 4 To 5					**699.77**	**364.97**
6	**Cropping system based trainings** (four sessions).						
		Rs. 3500/- session, Rs. 14000/- training	Nos.	332.00	308	46.48	31.76
	Sub Total 6			**332.00**	**308**	**46.48**	**31.76**
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.	140	57	210.00	85.50
	(b)Assistance for construction of water harvesting structure like farm pond with lining 20xmx20mx3m as per NHM norms	50%maximum subsidy Rs.75 lakh per farmer	Nos.	278	5	208.50	0.00
	Sub Total 8(a) To 8(b)			**418**	**62**	**418.50**	**85.50**
9	**Other Initiatives**						
	(a) Demonstration by NGOs	Rs. 7500/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					**4659.00**	**2235.05**

2. NFSM-PULSES

Month-January 2017 **(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**	**10300**	**8728**	**772.50**	**481.81**
(a)	Arhar			1000	1000	75.00	70.00
(b)	Gram			6000	4528	450.00	254.00
(c)	Urd			1000	1000	75.00	36.00
(d)	Moong			900	900	67.50	41.56
(e)	Lentil			0	0	0.00	0.00
(f)	Pea			1400	1300	105.00	80.25
	(b) Demo. on Intercropping	**Rs. 7500/ha**	**ha**	**3332**	**3132**	**249.90**	**203.40**
(i)	Arhar+Soybean			800	800	60.00	52.90
(ii)	Arhar +Maize			1500	1300	112.50	90.50
(iii)	Moong/Urd+ Maize			1032	1032	77.40	60.00
(c)	**Cropping system based demonstrations**	**Rs. 12500/ha**	**ha**	**6000**	**5900**	**750.00**	**629.00**
	(Name the crop Sequences)						
(i)	Rice-Gram			3400	3400	425.00	401.00
(ii)	Rice-pea			2000	1900	250.00	198.00
(iii)	Rice-moong/urd			600	600	75.00	30.00
	Sub-Total 1 (a) and 1 (c)			**19632**	**17760**	**1772.40**	**1314.21**
2	**Production and Distribution of HYVs seeds:**						
	Assistance for seed Production	**Rs. 2500/qtl**	**Qtl**	**35448.00**	**2159.21**	**886.20**	**36.56**
(a)	Arhar			7000	304.95	175.00	1.57
(b)	Gram			20000	1591.26	500.00	34.68
(c)	Urd			3000	50	75.00	0.00
(d)	Moong			1000	0	25.00	0.00
(e)	Lentil			1000	0	25.00	0.00
(f)	Pea			3448	213	86.20	0.31
2	**Distribution of HYVs Seeds**	**Rs. 2500/qtl**	**Qtl**	**35448.00**	**14965.88**	**886.20**	**336.82**
(a)	Arhar			7000	1191.74	175.00	29.79
(b)	Gram			20000	11587.9	500.00	289.60
(c)	Urd			3000	459	75.00	2.03
(d)	Moong			500	296.24	12.50	6.61
(e)	Lentil			500	101	12.50	2.14
(f)	Pea			4448	1330	111.20	6.65
	Sub Total Seed Distribution and Production			**70896**	**17125.09**	**1772.40**	**373.38**
3	**Integrated Nutrient Management (INM)**						
(a)	Micro-nutrients	Rs. 500/ ha	ha	45009	31769	225.05	158.85
(b)	Gypsum/ 80% WG Sulphur	Rs. 750/ha	ha	10110	3812	75.825	28.59
(c)	Lime	Rs. 1000/ ha	ha	11339	7584	113.39	75.84
(d)	Bio-fertilizers	Rs. 300/ha	ha	43857	33821	131.57	101.46
	Sub Total INM 3 (a) to 3 (d)			**110315**	**76986**	**545.83**	**364.74**
4	**Integrated Pest Management (IPM)**						
(a)	Distribution of PP chemicals	Rs. 500/ha	ha	38080	29043	190.40	145.22
(b)	Weedicides	Rs. 500/ha	ha	30000	21736	150.00	108.68
	Sub Total 4 (a) and 4 (b)			**68080**	**50779**	**340.40**	**253.90**
	Sub Total 3 and 4			**178395**	**127765**	**886.23**	**618.63**
5	**Resource conservation technologies /tools**						
(a)	Manual Sprayer	Rs. 600/Unit	Nos.	20000	17368	120.00	66.77
(b)	Power Knap sack sprayers	Rs. 3000/Unit	Nos.	2498	2527	74.94	43.22
(c)	Zero till seed drills	Rs. 15000/Unit	Nos.	20	2	3.00	0.30
(d)	Multi crop planters	Rs. 15000/Unit	Nos.	13	0	1.95	0.00
(e)	Seed drills	Rs. 15000/Unit	Nos.	298	75	44.70	9.45
(f)	Zero till multi crop planters	Rs. 15000/Unit	Nos.	10	0	1.50	0.00

(g)	Ridge furrow planters	Rs. 15000/Unit	Nos.	22	0	3.30	0.00
(h)	Chiseller	Rs. 8000/Unit	Nos.	0	0	0.00	0.00
(i)	Rotavators	Rs. 35000/Unit	Nos.	250	164	87.50	45.85

S. No	Interventions	Approved rate of assistance	Unit	Physical		Financial	
				Target	Achi.	Target	Achi.
5	**Resource conservation technologies /tools**						
	(j) Laser land levelers	Rs. 150000/Unit	Nos.	6	0	9.00	0.00
	(k) Tractor mounted sprayer	Rs. 10000/Unit	Nos.	4	0	0.40	0.00
	(l) Multi crop thresher	Rs. 40000/Unit	Nos.	331	188	132.40	57.60
	Sub Total 5 (a) to 5 (i)			**23452**	**20324**	**478.69**	**223.19**
	(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.	50	25	30.00	8.70
6	**Efficient Water Application Tools**						
(a)	Sprinkler sets	Rs. 10000/ha	ha	2124	393.15	212.40	16.54
(b)	Pump sets	Rs. 10000/Unit	Nos.	780	190	78.00	6.17
(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.	212250	83800	84.90	16.16
(d)	Mobile Rainguns	Rs. 15000/Unit	Nos.	16	0	2.40	0.00
	Sub Total 6 (a) to 6 (d)			**215170**	**84383.15**	**377.70**	**38.87**
	Sub Total 5 to 6					**886.39**	**270.76**
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.	422	288	59.08	27.7
8	**Miscellaneous expenses:**						
	(a) Project management team and other miscellaneous expenses at district level	Rs. 12.058 Lakh per district	No. of Dist.	17	3	205.00	45.08
	(b) Project management team and other miscellaneous expenses at state level	-	-		0	17.00	0
	Sub-Total 8 (a) to 8 (b)			**17**	**3.00**	**222.00**	**45.08**
9	**Local initiatives**						
	(a) Construction of Godowns	Maximum Rs 1.50 Lakh or 50% of the cost whichever is less	Nos.	287	118	430.50	75.05
	Distribution of set of mini mills	Rs.100000/unit	Nos.	101	7	101.00	1.17
		Sub-Total 9(a) to 9(b)		**388**	**125.00**	**531.50**	**76.22**
10	**Other Initiatives**						
	(a) Demonstration by NGOs		ha				
	(b) Assistance for custom hiring		ha				
	(c) Marketing support						
	(d) Specialized projects						
	(e) Value chain integration						
	Sub Tota10 (a) to 10 (e)						
	Total Financial (1 to 10)					**6130.00**	**2725.98**

3. NFSM-ADDITIONAL PULSES

Month-January 2017 **(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)						
	Gram	**Rs. 7500/ha**		14200	14400	1065.00	75.79
	Moong			2200	1500	165.00	11.85
	Urd			1900	1300	142.50	3.75
	Lathyrus			200	100	15.00	0.00
	Lentil			300	300	22.50	3.96
	Pea			1200	900	90.00	20.65
	Sub-Total (a)			**20000**	**18500**	**1500.00**	**116.00**
	(b) Distribution of HYVs Seeds						
	Gram	**Rs. 2500/qtl**		1850	1000	46.25	0.00
	Moong			275	38	6.88	0.50
	Urd			370	40	9.25	0.00
	Lathyrus			200	0	5.00	0.00
	Lentil			105	0	2.63	0.00
	Pea			1200	0	30.00	0.00
	Sub-Total (b)			**4000**	**1078**	**100.00**	**0.50**
	Total Financial (a to b)					**1600.00**	**116.50**

4. NFSM-Coarse Cereals

Month-January 2017 **(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	2700	2300	135	84.60
	(ii) Finger millet			500	303	25	16.91
	(iii) Kodo			400	400	20	5.39
	Sub Total (i) to (iii)			**3600**	**3003**	**180**	**106.9**
2	**Distribution of certified seeds:**						
	(a) HYVs Seeds	Rs. 1500	Qtl	1000	196	15.00	3.00
	(b) Hybrid Seeds	Rs. 5000	Qtl	1300	180	65.00	5.00
	Sub Total 2(a) and 2(b)			**2300**	**376.00**	**80.00**	**8.00**
	Total Financial (1 to 2)				**3379**	**0**	**114.90**

(Annexure-V)

PLAN-WISE PROGRESS REPORT OF IMPLEMENTATION OF NFSM-RICE

(Fin: Rs. In Lakh)

S. No.	Component	XIth plan total				XIIth plan total				Total Achievement of XI & XII Plan	
		Target		Achievement		Target		Achievement			
		P	F	P	F	P	F	P	F	P	F
1	Demonstrations on improved package of practices	15695.00	392.38	16570.00	314.99	4348	326.1	4348	234.67	20918.00	549.66
2	demonstrations on systems of rice intensification (SRI)	5045.00	151.35	5326.00	111.06	79894	5614.2	81248	3844.4	86574.00	3955.43
3	Demonstrations on Hybrid Rice Technology(one demon. Of 0.4 ha at every 100 ha of rice)	3320.00	99.60	3495.00	72.92	34210	2401.73	34820	1961.4	38315.00	2034.36
	Cluster demonstrations on Swarna sub-1/ Sahbhagi dhan of 100 ha each.	0.00	0.00	0.00	0.00	1200	90	1200	53.4	1200.00	53.40
	Frontiline demonstrations by ICAR/SAUs/on Hybrids/ Varieties (Cluster fo Minimum 10 ha each.	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	Cropping System based demonstration	0.00	0.00	0.00	0.00	42035	3737.95	40585	2626.1	40585.00	2626.12
4	Assistance for production of hybrid rice seed	500.00	5.00	0.00	0.00	0	0	0	0	0.00	0.00
5	(a) Assistance for distribution of hybrid rice seed	34289.00	679.78	9211.83	134.33	18804.4	902.72	3101.44	115.78	12313.27	250.11
	(b) Assistance for distribution of HYVs seeds	920144.00	4500.72	822809.70	3207.95	790108	4951.08	563447.1	2669.4	1386256.8	5877.35
6	Seed minikits of HYVs	173500.00	0.00	149253.00	0.00	0	0	0	0	149253.00	0.00
7	Seed Minikits of Hybrid Rice	18630.00	0.00	8622.00	0.00	0	0	0	0	8622.00	0.00
8	Incentives for Micro-nutrients	255273.0	1276.37	118902.26	424.66	146270	731.35	87273.48	362.41	206175.74	787.07
9	Incentives for liming in soils	104720.0	523.60	12814.25	61.45	25710	228.56	11216.7	80.8	24030.95	142.25
10	Assistance for Plant Protection Chemical and bio-agents	294595.0	1472.98	160780.06	603.40	216267	1080.84	146946.3	718.58	307726.38	1321.98
	Weedicides	0.00	0.00	0.00	0.00	111600	558	51042.68	240.05	51042.68	240.05
11	Incentive for conoweeder and other Farm implements	100738.0	2844.89	270306.0	1145.52	34070	714.9	70728	270.35	341034.00	1415.87
12	Incentive on Power Weeders	232.00	34.80	82.00	12.30	306	45.9	66	9.88	148.00	22.18
	Manual Sprayer	0.00	0.00	0.00	0.00	40064	263.34	33449	178.53	33449.00	178.53
13	Incentive on Knapsack Sprayers	43200.00	1217.36	77234.00	523.32	23037	691.11	48622	393.69	125856.00	917.01
14	Incentive on Zero Till Seed Drills	260.00	39.00	4.00	0.60	0	0	0	0	4.00	0.60
15	Incentive on Multi-crop Planters	155.00	23.25	0.00	0.00	58	8.7	7	0	7.00	0.00
16	Incentive on Seed Drills	665.00	99.75	500.00	68.63	2469	370.35	1526	222.7	2026.00	291.33
	Drum seeder	0.00	0.00	0.00	0.00	1200	18	0	0	0.00	0.00

(Fin: Rs. In Lakh)

S. No.	Component	XIth plan total				XIIth plan total				Total Achievement of XI & XII Plan	
		Target		Achievement		Target		Achievement			
		P	F	P	F	P	F	P	F	P	F
17	Rotavator	911.00	273.30	923.00	270.00	2320	761	1718	546.27	2641.00	816.27
	Zero till multi crop planters	0.00	0.00	0.00	0.00	118	21	0	0	0.00	0.00
	Ridge furrow planters	0.00	0.00	0.00	0.00	18	2.7	0	0	0.00	0.00
18	Electric and Diesel pump set	2662.00	266.20	2314.00	197.08	3024	302.4	1409	145.78	3723.00	342.86
	Pipe for carrying water from source to the field	0.00	0.00	0.00	0.00	1544875	403	271967	45.63	271967.0	45.63
	Paddy thresher/multi-crop thresher	0.00	0.00	0.00	0.00	497	198.8	456	174.8	456.00	174.80
	Self propelled Paddy transplanter	0.00	0.00	0.00	0.00	90	67.5	31	15.75	31.00	15.75
19	Incentive on Laser Land Leveller	10.00	15.00	0.00	0.00	23	34.5	0	0	0.00	0.00
20	Farmers Trainings at FFS Pattern(one FFS at every 1000 ha)	2110.00	358.70	1994.00	256.95	1398	195.72	1220	161.64	3214.00	418.59
21	**Local Initiatives**	2132.00	319.98	1843.00	200.79	159	327.2	77	89.17	1920.00	289.96
	(a) Construction of Godowns	0.00	0.00	0.00	0.00	603	904.5	338	352.6	338.00	352.60
	(b) Distribution of Reaper	0.00	0.00	0.00	0.00	241	120.5	224	105.89	224.00	105.89
	(c) Distribution of Power Tiller	0.00	0.00	0.00	0.00	233	139.8	154	93.21	154.00	93.21
	(d) Whole Village Demonstration	0.00	200.00	552.00	70.11	0	0	0	0	552.00	70.11
	(e) Pasture Land Development	15.00	225.00	47.00	76.02	0	0	0	0	47.00	76.02
	(f)Farm pond	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
22	Award for best performing districts	2.00	15.00	0.00	0.00	278	208.5	0	0	0.00	0.00
23	**Miscellaneous Expenses:**	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	(a) PMT at District Level	30.00	190.80	20.00	78.25	20	127.2	20	46.53	40.00	124.78
	(b) PMT at State Level	3.00	51.61	3.00	10.07	2	27.74	2	10.18	5.00	20.25
	Contingency	0.00	77.47	0.00	23.14	0	0	0	0	0.00	23.14
Total			**15353.89**		**7863.54**		**26576.9**		**15770**		**23633.16**

PLAN-WISE PROGRESS REPORT OF IMPLEMENTATION OF NFSM-PULSES

(Fin: Rs. In Lakh)

S. No	Component	XIth Plan Total				XIIth Plan Total				Total Achievement of XI & XII Plan	
		Target		Achievement		Target		Achievement			
		P	F	P	F	P	F	P	F	P	F
1	Purchase of Breeder seeds from ICAR (full cost)	2499.00	128.21	773.27	47.10	0	0	0	0	773.27	47.10
	Production of foundation & Certified seeds of Pulses @ Rs.1000/Qtl.	97793.50	977.94	37736.54	300.19	0	0	0	0	37736.54	300.19
2	Production of certified seeds	10980.00	109.80	1915.06	13.36	0	0	0	0	1915.06	13.36
3	Distribution of certified seeds	125886.00	1510.63	126192.77	1241.56	0	0	0	0	126192.77	1241.56
	(a) For varieties less than 10 years.	0.00	0.00	0.00	0.00	16000	352	15843.89	338.9	15843.89	338.90
	(b) For varieties more than 10 years old.	0.00	0.00	0.00	0.00	70167	842	50977.8	565.5	50977.80	565.50
4	(a) Organization of technology demonstration of 0.4 ha	0.00	0.00	0.00	11.02	0	0	0	0	0.00	11.02
	(b) Strengthening of state seed certification	2.00	50.00	0.00	0.00	0	0	0	0	0.00	0.00
	(c) Cluster demonstration (of 100 ha each) on inter-cropping/improved varieties /farm implements like Ridge Furrow makers-seed drills	0.00	0.00	0.00	0.00	72884	4791.305	72069.3	3547.93	72069.30	3547.93
	(d) Frontline demonstration by ICAR/SAUs in acluster of 10 ha each.	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	(e) Cropping system based demonstrations	0.00	0.00	0.00	0.00	16522	2040.25	14872	1518.9	14872.00	1518.90
5	Distribution & Production of certified seeds:	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	HYVs Seeds Distribution	0.00	0.00	0.00	0.00	92464	2311.6	67899.23	1156.54	67899.23	1156.54
	HYVs Seeds Production	0.00	0.00	0.00	0.00	35448	886.2	2159.21	36.56	2159.21	36.56
6	Integrated Pest Management (INM)					0	0	0	0	0.00	0.00
	Lime	0.00	0.00	0.00	0.00	16339	163.39	8375	81.62	8375.00	81.62
	Gypsum	261734.00	1963.01	100008.32	527.85	59110	345.82	39539.5	202.57	139547.82	730.42
	Micronutrients	285508.00	1427.54	173583.68	717.72	81809	461.05	48757	240.43	222340.68	958.15
	Rhizobium	40760.00	40.76	91205.73	33.54	191100	213.6	158865.6	118.02	250071.33	151.56
	Biofertilizer	0.00	0.00	0.00	0.00	241657	329.37	153967.4	222.91	153967.38	222.91
7	Integrated Pest Management (IPM)	226876.00	1701.58	174979.82	803.79	0	0	0	0	174979.82	803.79
	(a) IPM package	0.00	0.00	0.00	0.00	33000	247.5	29094	177.31	29094.00	177.31
	(b) Distribution of NPV	0.00	0.00	0.00	0.00	3300	8.25	2161.6	4.94	2161.60	4.94
	(c) Distribution of PP chemicals	0.00	0.00	0.00	0.00	154080	770.4	89382.02	377.69	89382.02	377.69
	(d) Weedicides	0.00	0.00	0.00	0.00	50000	250	26988	134.24	26988.00	134.24
	(e)Assistance of distribution of PP chemicals & weedicides	41500.00	207.52	14199.60	43.16	0	0	0	0	14199.60	43.16
8	Resource conservation technologies/tools	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	(a) Manual Sprayer	0.00	0.00	0.00	0.00	40992	245.95	37751	190.37	37751.00	190.37

	(b)Distribution of Zero till seed drills	265.00	39.75	0.00	0.00	35	5.25	2	0.3	2.00	0.30
	(c) Zero till multi crop planters	0.00	0.00	0.00	0.00	10	1.5	0	0	0.00	0.00
	(d)Distribution of Multi-Crop Planter	169.00	25.35	0.00	0.00	13	1.95	0	0	0.00	0.00

(Fin: Rs. In Lakh)

S. No.	Component	XIth Plan Total				XIIth Plan Total				Total Achievement of XI & XII Plan	
		Target		Achievement		Target		Achievement			
		P	F	P	F	P	F	P	F	P	F
	(e) Multi crop thresher	0.00	0.00	0.00	0.00	681	272.4	516	187.02	516.00	187.02
	(f) Ridge furrow planters	0.00	0.00	0.00	0.00	37	5.55	0	0	0.00	0.00
	(g) Chiseller	0.00	0.00	0.00	0.00	6	0.48	0	0	0.00	0.00
	(h)Distribution of seed drills	1595.00	239.25	980.00	128.77	2068	310.2	1761	206	2741.00	334.77
	(i)Distribution of Rotavators	919.00	365.70	1269.00	298.60	1345	432.5	1166	327.07	2435.00	625.67
	(j)Incentives for knapsack sprayers	13504.00	405.12	48205.00	330.30	8648	259.44	20336	211.25	68541.00	541.55
	(k)Tractor mounted sprayer	0.00	0.00	0.00	0.00	4	0.4	0	0	0.00	0.00
	(l) Laser land levelers	0.00	0.00	0.00	0.00	17	25.5	0	0	0.00	0.00
9	Efficient Water application tools	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	Assistance for all types of PVC & HDPE	279950.00	104.93	12886.00	17.34	1053230	382	401003	66.377	413889.00	83.72
	Incentive for pump sets	1830.00	183.00	989.00	89.08	2230	223	982	74.88	1971.00	163.96
	Distribution of Sprinkler sets	34679.00	2600.93	27242.31	1443.75	10629	987.9	3621.466	269.24	30863.78	1712.99
	(b) Incentive for mobile sprinkler rainguns	0.00	0.00	0.00	0.00	566	84.9	0	0	0.00	0.00
10	Cropping system based trainings (four sessions i.e. one before kharif, one each during kharif and rabi crops and one after rabi harvest.)	0.00	0.00	0.00	0.00	1258	176.12	959	112.724	959.00	112.72
	Farmers training on FFS Pattern at	1412.00	240.04	1204.00	168.35	0	0	0	0	1204.00	168.35
	State level training for trainers	2.00	2.00	1.00	0.34	0	0	0	0	1.00	0.34
11	Miscellaneous Expenses relating to PMT	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	(a) District level	44.00	127.28	36.00	42.15	67	686.52	33	165.84	69.00	207.99
	(b) State level	3.00	18.84	2.00	9.43	5	63.56	2	30.38	4.00	39.81
	(c) Miscellaneous expenses to state for other districts (districts of ISOPOM)	0.00	0.00	0.00	0.00	20	20	10	11.66	10.00	11.66
12	Local initiatives	850.00	127.50	800.00	102.51	7	334.1	0	35.85	800.00	138.36
	(a) Construction of Godowns	0.00	0.00	0.00	0.00	557	835.5	314	251.3	314.00	251.30
	(b) Distribution of Reaper	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00
	(c) Distribution of Power Tiller	0.00	0.00	0.00	0.00	160	96	125	63.9	125.00	63.90
	(d) Whole village demonstration	1000.00	150.00	1771.00	140.68	0	0	0	0	1771.00	140.68
	(e) Pasture land development	8.00	280.00	43.00	35.50	0	0	0	0	43.00	35.50
	(f)Distribution of set of mini mills	0.00	0.00	0.00	0.00	101	101	7	1.7	7.00	1.70
13	19+ Million Tonnes Pulse Production Programme (seed requirement @ 10 kg/ha)	0.00	0.00	0.00	0.00	0	0	0	0	0.00	0.00

	(a) Demonstration on intercropping	0.00	0.00	0.00	0.00	5800	34.8	4602.5	24.69	4602.50	24.69
	(b) Bund Cultivation of Pigeonpea	0.00	0.00	0.00	0.00	12100	72.6	17689	51.46	17689.00	51.46
14	Award for best performing districts	1.00	5.00	0.00	0.00	0	0	0	0	0.00	0.00
15	Contingency	0.00	42.04	0.00	12.13	0	0	0	0	0.00	12.13
16	Previous year's liabilities	0.00	0.00	0.00	0.00	0	0	0	360.43	0.00	360.43
Total			**13073.72**		**6558.22**		**19671.86**		**11366.5**		**17924.72**

(Annexure-VI)

Allocation, Release and Utilization of Centrally Sponsored Scheme during 12th Plan Exp. up to January 2017

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
1	ISOPOM	2012-13	1609.33	150.16	50.06	200.22	905.62	301.87	1207.49	1207.50	100
		2013-14	1143.34	206.02	68.67	274.69	1024.52	340.84	1365.36	1359.05	100
	National Mission on Oilseeds and Oilpalm (MM-I)	2014-15	599.16	4.80	1.60	6.40	302.89	99.94	402.83	220.09	55
		2015-16	968.32	131.78	87.85	219.63	319.28	275.35	594.63	556.08	94
		2016-17 (Jan. 17)	701.64	21.78	14.52	36.30	189.78	126.52	316.30	253.95	80
		Total	**5021.79**	**514.54**	**222.70**	**737.24**	**2742.10**	**1144.52**	**3886.62**	**3596.67**	**93**
2	ISOPOM	2012-13	137.03				51.75	17.25	69.00	69.00	100
		2013-14	124.84				47.25	15.75	63.00	63.00	100
	National Mission on Oilseeds and Oilpalm (MM-II)	2014-15	95.42				21.41	7.13	28.54	27.49	96
		2015-16	525.47				131.26	131.26	262.52	256.76	98
		2016-17 (Jan. 17)	963.06				232.00	154.66	386.66	54.15	14
		Total	**1845.82**				**483.67**	**326.05**	**809.72**	**470.40**	**58**
3	National Mission on Oilseeds and Oilpalm (MM-III)	2012-13									
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan. 17)	81.30								
		Total	**81.30**								
	Grand Total (NMOOP)	2012-13	1746.36	150.16	50.06	200.22	957.37	319.12	1276.49	1276.50	100
		2013-14	1268.18	206.02	68.67	274.69	1071.77	356.59	1428.36	1422.05	100
		2014-15	694.58	4.80	1.60	6.40	324.30	107.07	431.37	247.58	57
		2015-16	1493.79	131.78	87.85	219.63	450.54	406.61	857.15	812.84	95
		2016-17 (Jan. 17)	1746.00	21.78	14.52	36.30	421.78	281.18	702.96	308.10	44
		Total	**6948.91**	**514.54**	**222.70**	**737.24**	**3225.77**	**1470.57**	**4696.34**	**4067.07**	**87**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
4	Rainfed Area Development (RAD)	2012-13									
		2013-14									
		2014-15	1500.00				1143.86		1143.86	491.47	43
		2015-16	2200.00	491.47		491.47	1041.47	550.00	1591.47	1012.97	64
		2016-17 (Jan. 17)	500.00	392.14	231.53	623.67	632.14	391.53	1023.67	392.42	38
		Total	**4200.00**	**883.61**	**231.53**	**1115.14**	**2817.47**	**941.53**	**3759.00**	**1896.86**	**50**
5	Soil Health Management	2012-13									
		2013-14									
		2014-15	195.00				122.00	9.50	131.50		
		2015-16	600.00	122.00	9.50	131.50	347.00	234.50	581.50	433.93	75
		2016-17 (Jan. 17)	655.95	94.56	53.01	147.57	460.81	53.01	513.82	508.82	99
		Total	**1450.95**	**216.56**	**62.51**	**279.07**	**929.81**	**297.01**	**1226.82**	**942.75**	**77**
6	Soil Health Card	2012-13									
		2013-14									
		2014-15	88.05				66.04	22.01	88.05	13.82	16
		2015-16	588.69	55.67	18.56	74.23	336.70	273.42	610.12	399.61	65
		2016-17 (Jan. 17)	1142.39	83.09	55.39	138.48	425.81	283.87	709.68	511.23	72
		Total	**1819.13**	**138.76**	**73.95**	**212.71**	**828.55**	**579.30**	**1407.85**	**924.66**	**66**
7	PKVY	2012-13									
		2013-14									
		2014-15									
		2015-16	1341.96				603.88	235.92	839.80	70.00	8
		2016-17 (Jan. 17)	15.60.75	561.88	207.92	769.80	414.78	276.51	691.29	66.00	10
		Total	**1341.96**	**561.88**	**207.92**	**769.80**	**1018.66**	**512.43**	**1531.09**	**136.00**	**9**
8	Central Sector Seed Village Programme	2012-13	549.15				388.25		388.25	368.06	95
		2013-14	266.59	181.09		181.09	447.68		447.68	443.84	99
		2014-15	626.85	3.84		3.84	630.69		630.69	582.80	92
	Central Sponsored SMSP	2015-16	311.64	47.89		47.89	203.71	155.82	359.53	339.82	95
		2016-17	487.83	102.58	14.12	116.70	325.34	162.63	487.97	354.12	73

		(Jan. 17)									
		Total	**2242.06**	**335.40**	**14.12**	**349.52**	**1995.67**	**318.45**	**2314.12**	**2088.64**	**90**
											(Rs. in Lakhs)
S. No.	**Name of Scheme**	**Year**	**Total Allocation Approved by GOI**	**Opening Balance**			**Total Release during the year including unspent balance**			**Total Expenditure**	**% Exp.**
				Central Share	**State Share**	**Total**	**Central Share**	**State Share**	**Total**		
9	NMAET-Extension Reforms (ATMA) Scheme	2012-13	3746.65	1240.30	343.21	1583.51	2290.11	635.66	2925.77	2141.96	73
		2013-14	3039.70	466.13	317.68	783.81	1843.79	609.90	2453.69	1827.50	74
		2014-15	3744.53	541.22	84.97	626.19	1724.24	839.62	2563.86	1945.03	76
		2015-16	3000.00	297.41	321.42	618.83	1532.09	1305.03	2837.12	1894.58	67
		2016-17 (Jan. 17)	4900.00	430.91	511.63	942.54	1388.86	1240.30	2629.16	2314.14	88
		Total	**18430.88**	**2975.97**	**1578.91**	**4554.88**	**8779.09**	**4630.51**	**13409.60**	**10123.21**	**75**
10	Sub Mission on Agriculture Mechanization (SMAM)	2012-13									
		2013-14									
		2014-15	691.38	518.54	172.84	691.38	518.54	172.84	691.38	595.46	86
		2015-16	895.92	71.94	23.98	95.92	471.94	423.98	895.92	802.80	90
		2016-17 (Jan. 17)	1759.79	46.56	46.56	93.12	1046.60	713.23	1759.83	749.81	43
		Total	**3347.09**	**637.04**	**243.38**	**880.42**	**2037.08**	**1310.05**	**3347.13**	**2148.07**	**64**
11	Pradhanmantri Fasal Beema Yojana	2012-13									
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan. 17)	6000.00		3223.00	3223.00		3223.00	3223.00	3223.00	100
		Total	**6000.00**		**3223.00**	**3223.00**		**3223.00**	**3223.00**	**3223.00**	**100**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
12	PMKSY (Per Drop More Crop)	2012-13									
		2013-14									
		2014-15									
		2015-16	750.00	245.87	1681.96	1927.83	995.87	2596.73	3592.60	1651.65	46
		2016-17 (Jan. 17)	3000.00	276.99	2754.24	3031.23	2076.99	4954.20	7031.19	3367.73	48
		Total	**3750.00**	**522.86**	**4436.20**	**4959.06**	**3072.86**	**7550.93**	**10623.79**	**5019.38**	**47**
13	PMKSY (Other Intervention)	2012-13									
		2013-14									
		2014-15									
		2015-16	5194.33	143.00	1397.00	1540.00	4423.17	4184.78	8607.95	4825.62	56
		2016-17 (Jan. 17)	8626.00	1998.16	1918.53	3916.69	7174.16	6299.13	13473.29	3288.87	24
		Total	**13820.33**	**2141.16**	**3315.53**	**5456.69**	**11597.33**	**10483.91**	**22081.24**	**8114.49**	**37**
14	National Food Security Mission (Rice)	2012-13	4062.90	746.10		746.10	3793.62		3793.62	2434.21	64
		2013-14	5481.82	1359.41		1359.41	5481.82		5481.82	3738.11	68
		2014-15	5149.65	2064.82		2064.82	4639.65		4639.65	2820.45	61
		2015-16	7224.00	1819.20		1819.20	2715.61	2715.61	5431.22	4961.25	91
		2016-17 (Jan.17	4659.00	773.92		773.92	1804.39	1202.92	3007.31	2235.05	74
		Total	**26577.37**	**6763.45**		**6763.45**	**18435.09**	**3918.53**	**22353.62**	**16189.07**	**72**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
15	National Food Security Mission (Pulse)	2012-13	2109.54	1066.02		1066.02	2300.65		2300.65	1829.67	80
		2013-14	2798.09	470.98		470.98	2798.99		2798.99	1883.71	67
		2014-15	4252.61	1755.74		1755.74	3882.05		3882.05	2162.97	56
		2015-16	4274.21	1458.33		1458.33	1961.17	1961.17	3922.34	2707.62	69
		2016-17 (Jan.17	6130.00	1214.72		1214.72	2542.36	1694.91	4237.27	2725.98	64
		Total	**19564.45**	**5965.79**		**5965.79**	**13485.22**	**3656.08**	**17141.30**	**11309.95**	**66**
16	National Food Security Mission (Add. Pulse)	2015-16	1654.42				827.21	827.21	1654.42	1447.19	87
		2016-17	1600.00	124.34	82.89	207.23	960.00	640.00	1600.00	116.50	7
		Total	**3254.42**	**124.34**	**82.89**	**207.23**	**1787.21**	**1467.21**	**3254.42**	**1563.69**	**48**
17	A3P	2012-13	1266.00	123.36	0.00	123.36	1099.66		1099.66	747.27	68
		2013-14	1849.04	352.39	0.00	352.39	1849.04		1849.04	1123.84	61
		Total	**3115.04**	**475.75**	**0.00**	**475.75**	**2948.70**		**2948.70**	**1871.11**	**63**
18	National Food Security Mission (Course Cereals)	2012-13									
		2013-14									
		2014-15	186.00				93.00		93.00	56.78	61
		2015-16	194.00	36.22		36.22	67.82	67.82	135.64	133.22	98
		2016-17 (Jan.17	260.00	1.45	0.97	2.42	79.45	52.97	132.42	114.90	87
		Total	**640.00**	**37.67**	**0.97**	**38.64**	**240.27**	**120.79**	**361.06**	**304.90**	**84**
	(Grand Total) National Food Security Mission	2012-13	7438.44	1935.48		1935.48					
		2013-14	10128.95	2182.78		2182.78	10129.85		10129.85	6745.66	67
		2014-15	9588.26	3820.56		3820.56	8614.70		8614.70	5040.20	59
		2015-16	13346.63	3313.75		3313.75	5571.81	5571.81	11143.62	9249.28	83
		2016-17 (Jan.17	12649.00	2114.43	83.86	2198.29	5386.20	3590.80	8977.00	5192.43	58
		Total	**53151.28**	**13367.0**	**83.86**	**13450.86**	**29702.56**	**9162.61**	**38865.17**	**26227.57**	**67**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
19	RKVY (Gen.)	2012-13	41256.00				40334.00		40334.00	40334.00	100
		2013-14	24855.00				11510.00		11510.00	11510.00	100
		2014-15	20456.00				20112.00		20112.00	20112.00	100
		2015-16	11442.00			11442.00	5721.00	5721.00	11442.00	11442.00	100
		2016-17 (Jan.17	13150.00			13150.00	7890.00	5260.00	13150.00	5521.00	42
		Total	**111159.00**			**24592.00**	**85567.00**	**10981.00**	**96548.00**	**88919.00**	**92**
20	RKVY (BGERI)	2012-13	13150.00				13150.00		13150.00	13132.00	100
		2013-14	20451.00				10225.00		10225.00	10225.00	100
		2014-15	16100.00				12075.00		12075.00	12075.00	100
		2015-16	16100.00				6708.50	6708.50	13417.00	13417.00	100
		2016-17 (Jan.17	16550.00				4965.00	3310.00	8275.00	7087.00	86
		Total	**82351.00**				**47123.50**	**10018.50**	**57142.00**	**55936.00**	**98**
21	RKVY (Nutri-farm)	2012-13									
		2013-14	567.00				284.00		284.00	75.00	26
		2014-15									
		2015-16									
		2016-17 (Jan.17									
		Total	**567.00**				**284.00**		**284.00**	**75.00**	**26**
22	RKVY (INSIMP)	2012-13	916.00				916.00		916.00	904.00	99
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan.17									
		Total	**916.00**				**916.00**		**916.00**	**904.00**	**99**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
23	RKVY (AFDP)	2012-13									
		2013-14									
		2014-15									
		2015-16	160.00				40.00	40.00	80.00	80.00	100
		2016-17 (Jan.17									
		Total	**160.00**				**40.00**	**40.00**	**80.00**	**80.00**	**100**
24	RKVY (NMPS)	2012-13	1453.00				1453.00		1453.00	1453.00	100
		2013-14	1400.00				700.00		700.00	700.00	100
		2014-15	988.00				988.00		988.00	988.00	100
		2015-16									
		2016-17 (Jan.17									
		Total	**3841.00**				**3141.00**		**3141.00**	**3141.00**	**100**
25	RKVY (Oilpalm)	2012-13	137.00				69.00		69.00	69.00	100
		2013-14	125.00				63.00		63.00	59.00	94
		2014-15									
		2015-16									
		2016-17 (Jan.17									
		Total	**262.00**				**132.00**		**132.00**	**128.00**	**97**
26	RKVY (VIUC)	2012-13	1200.00				1200.00		1200.00	1200.00	100
		2013-14	1200.00				1200.00		1200.00	1200.00	100
		2014-15	1000.00				1000.00		1000.00	1000.00	100
		2015-16									
		2016-17 (Jan.17									
		Total	**3400.00**				**3400.00**		**3400.00**	**3400.00**	**100**

(Rs. in Lakhs)

S. No.	Name of Scheme	Year	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
				Central Share	State Share	Total	Central Share	State Share	Total		
27	RKVY (FMD)	2012-13									
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan.17	1850.00				484.20	322.80	807.00		
		Total	**1850.00**				**484.20**	**322.80**	**807.00**		
28	RKVY (TRFA)	2012-13									
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan.17	1500.00				450.00	300.00	750.00	486.00	65
		Total	**1500.00**				**450.00**	**300.00**	**750.00**	**486.00**	**65**
29	RKVY (RPS)	2012-13									
		2013-14									
		2014-15									
		2015-16									
		2016-17 (Jan.17	333.00				100.20	66.80	167.00		
		Total	**333.00**				**100.20**	**66.80**	**167.00**		
	(Grand Total) RKVY	2012-13	58112.00				57122.00		57122.00	57092.00	100
		2013-14	48598.00				23982.00		23982.00	23769.00	99
		2014-15	38544.00				34175.00		34175.00	34175.00	100
		2015-16	27702.00				12469.50	12469.50	24939.00	24939.00	100
		2016-17 (Jan.17	33383.00				13889.40	9259.60	23149.00	13094.00	57
		Total	**206339.00**				**141637.9**	**21729.10**	**163367.00**	**153069.00**	**94**

In Year 2014-15 National Food Security Mission (Pulses) including Unspent Balance of A3P and Advance adjustment of Pulses

Allocation, Release and Utilization of Centrally Sponsored Scheme During 2016-17 up to January 2017

(Rs. in Lakhs)

S. No.	Name of Scheme	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
			Central Share	State Share	Total	Central Share	State Share	Total		
1	National Mission on Oilseeds and Oilpalm (MM-I)	701.64	21.78	14.52	36.30	189.78	126.52	316.30	253.95	80
2	National Mission on Oilseeds and Oilpalm (MM-II)	963.06			0.00	232.00	154.66	386.66	54.15	14
3	National Mission on Oilseeds and Oilpalm (MM-III)	81.30								
Total (NMOOP)		**1746.00**	**21.78**	**14.52**	**36.30**	**421.78**	**281.18**	**702.96**	**308.10**	**44**
4	NMSA-Rainfed Area Development (RAD)	500.00	392.14	231.53	623.67	632.14	391.53	1023.67	392.42	38
NMSA- Soil Health Management										
5	Soil Health Management	655.95	94.56	53.01	147.57	460.81	53.01	513.82	508.82	99
6	Soil Health Card	1142.39	83.09	55.39	138.48	425.81	283.87	709.68	511.23	72
7	PKVY	15.60.75	561.88	207.92	769.80	414.78	276.51	691.29	66.00	10
Total (Soil Health Management)		**1798.34**	**739.53**	**316.32**	**1055.85**	**1301.40**	**613.39**	**1914.79**	**1086.05**	**57**
8	NMAET- Sub-mission Seed and Planting Material	487.83	102.58	14.12	116.70	325.34	162.63	487.97	354.12	73
9	NMAET- Extension Reforms (ATMA) Scheme	4900.00	430.91	511.63	942.54	1388.86	1240.30	2629.16	2314.14	88
10	NMAET- Sub Mission on Agriculture Mechanization (SMAM)	1759.79	46.56	46.56	93.12	1046.60	713.23	1759.83	749.81	43
Total NAMET		**7147.62**	**580.05**	**572.31**	**1152.36**	**2760.80**	**2116.16**	**4876.96**	**3418.07**	**70**

(Rs. in Lakhs)

S. No.	Name of Scheme	Total Allocation Approved by GOI	Opening Balance			Total Release during the year including unspent balance			Total Expenditure	% Exp.
			Central Share	State Share	Total	Central Share	State Share	Total		
11	Pradhan Mantri Fasal Beema Yojana	6000.00		3223.00	3223.00		3223.00	3223.00	3223.00	100
12	PMKSY (Per Drop More Crop)	3000.00	276.99	2754.24	3031.23	2076.99	4954.20	7031.19	3367.73	48
13	PMKSY (Other Intervention)	8626.00	1998.16	1918.53	3916.69	7174.16	6299.13	13473.29	3288.87	24
Total (PMKSY)		**11626.00**	**2275.15**	**4672.77**	**6947.92**	**9251.15**	**11253.33**	**20504.48**	**6656.60**	**32**
14	National Food Security Mission (Rice)	4659.00	773.92		773.92	1804.39	1202.92	3007.31	2235.05	74
15	National Food Security Mission (Pulse)	6130.00	1214.72		1214.72	2542.36	1694.91	4237.27	2725.98	64
16	National Food Security Mission (Add. Pulse)	1600.00	124.34	82.89	207.23	960.00	640.00	1600.00	116.50	7
17	National Food Security Mission (Course Cereals)	260.00	1.45	0.97	2.42	79.45	52.97	132.42	114.90	87
Total (NFSM)		**12649.00**	**2114.43**	**83.86**	**2198.29**	**5386.20**	**3590.80**	**8977.00**	**5192.43**	**58**
18	RKVY (Gen)	13150.00			13150.00	7890.00	5260.00	13150.00	5521.00	42
19	RKVY (BGERI)	16550.00				4965.00	3310.00	8275.00	7087.00	86
20	RKVY (FMD)	1850.00				484.20	322.80	807.00		
21	RKVY (TRFA)	1500.00				450.00	300.00	750.00	486.00	65
22	RKVY (RPS)	333.00				100.20	66.80	167.00		
Total (RKVY)		**33383.00**			**13150.00**	**13889.40**	**9259.60**	**23149.00**	**13094.00**	**57**

(Annexure-VII)

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	28.42	228.19	141.02	135.79
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	22.03	21.34	265.77	155.60	160.88
Coarse Cereals							1.86	0.93	0.57	1.94	0.97	1.36	2.60	1.30	1.15	6.40	3.20	3.07
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**	**69.55**	**50.91**	**500.36**	**299.81**	**299.74**

(Annexure-VIII)

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.)
Chhattisgarh	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

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

Source: ATARI, Jabalpur

(Annexure-IX)

SEED MINIKIT RABI/SUMMER 2016-17

District	Allocation Minikits by Govt. of India																	
	NFSM								NMOOP								Grand Total	
	Chickpea		Urd		Mungbean		Total		Mustard		Safflower		Groundnut		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.)	Nos	Qty. (qtl.)
Dhamtari	1600	256	125	5			**1725**	**261**	500	10					**500**	**10**	**2225**	**271**
Rajnandgaon	2200	352	200	8	125	5	**2525**	**365**	1800	36	75	1.50			**1875**	**37.5**	**4400**	**402.5**
Jagdalpur	300	48.	250	10			**550**	**58**	2000	40			250	50	**2250**	**90**	**2800**	**148**
Kanker	500	80.	250	10			**750**	**90**	1000	20					**1000**	**20**	**1750**	**110**
Grand Total	**20000**	**3200**	**9190**	**367.6**	**1000**	**40**	**30190**	**3607.6**	**41000**	**820**	**500**	**10**	**5000**	**1000**	**46500**	**1830**	**76690**	**5437.6**

District	Distribution of Minikits																	
	NFSM								NMOOP								Grand Total	
	Chickpea		Urd		Mungbean		Total		Mustard		Safflower		Groundnut		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.)	Nos	Qty. (qtl.)
Dhamtari	1600	256	125	5			**1725**	**261**	500	10					**500**	**10**	**2225**	**271**
Rajnandgaon	2200	352	200	8	125	5	**2525**	**365**	1800	36	75	1.50			**1875**	**37.5**	**4400**	**402.5**
Jagdalpur	300	48	250	10			**550**	**58**	2000	40			250	50	**2250**	**90**	**2800**	**148**
Kanker	500	80	250	10			**750**	**90**	1000	20.					**1000**	**20**	**1750**	**110**
Grand Total	**20000**	**3200**	**9190**	**367.6**	**1000**	**40**	**30190**	**3607.6**	**41000**	**820**	**500**	**10**	**5000**	**1000**	**46500**	**1830**	**76690**	**5437.6**

CROP-WISE & SCHEME-WISE SUPPLY STATUS OF SEED MINIKITS

Name of Scheme	Season	Crop	Allocation by GoI		Distributed	
			Packet No.	Quanity (Qtl.)	Packet No.	Quanity (Qtl.)
RKVY	Kharif	Maize	88809	3552.36	88809	3552.36
		Arhar	39432	1577.28	39432	1577.28
		Urd	15000	600.00	15000	600.00
		Moong	8000	320.00	8000	320.00
		Total	**151241**	**6049.64**	**151241**	**6049.64**
NFSM		Urd	6000	240.00	6000	240.00
		Moong	1000	40.00	1000	40.00
		Total	**7000**	**280.00**	**7000**	**280.00**
NMOOP		Soybean	12500	1000.00	12500	1000.00
		Groundnut	5150	1030.00	5150	1030.00
		Til	2500	25.00	2500	25.00
		Total	**20150**	**2055.00**	**20150**	**2055.00**
Grand Total			**178391**	**8384.64**	**178391**	**8384.64**

(Annexure-X)

KVKs: Targets of Quality Seed Production and Budget Allocation of Pulses by each Seed-Hub during 2016-17 to 2018-19

State	Name of the centre	District	Crop/ Variety	Quantity of seed production (q)			Total	Budget allocation (Rs..in Lakhs)			Details of nodal officer	
				2016-17	2017-18	2018-19		Seed processing & storage infrastructure fund *(2016-17)	2016-17	2017-18	Name	Contact No. & E mail
CG	KVK, Bhatpara (IGKV, Raipur)	Balodbajar	Pigeonpea	100	200	200	**2250**	50	30	70	Dr. Amit Shukla, Shri Pradeep Kumar Kashyap	**7738100882, 9907299351** **kvkbhatapara@gmail.com**
			Fieldpea	100	150	200						
			Chickpea	200	200	300						
			Lentil	100	200	300						
	KVK, Ambikapur, Sarguja (IGKV, Raipur	Ambikapur	Fieldpea	250	350	400	**2500**	50	40	60	Dr. Sachin Kumar Verma, Dr. Ravindra Tigga	9179495849 kvksurguja@gmail.com
			Chickpea	150	350	400						
			Lentil	150	250	200						
	KVK, Rajnandgaon (IGKV, Raipur))	Rajnandgaon	Fieldpea	250	350	400	**2400**	50	32	68	Sh.I.K.Sahoo, Dr. Khoobhi Ram Sahu	9993816173, 8461032404
			Chickpea	150	300	400						
			Lentil	150	200	200						
	KVK, Kawardha (IGKV, Raipur))	Kawardha	Fieldpea	200	250	250	**2750**	50	40	60	Dr.Vijay Jain	9907430551 kvkbhatara@gmail.com
			Lentil	100	150	200						
			Mungbean	100	200	250						
			Lethyrus	150	250	350						
			Pigeonpea	50	100	150						
	KVK, Kanker (IGKVV, Raipur)	Kanker	Chickpea	150	250	250	**2500**	50	40	60		
			Lentil	150	250	250						
			Fieldpea	100	150	150						
			Pigeonpea		100	100						
			Mungbean	100	150	150						
			Urdbean		100	100						
	KVK, Janjgir-Champa (IGKVV, Raipur)	Janjgir-Champa	Chickpea	200	350	350	**2500**	50	10	60		
			Lentil	100	100	100						
			Fieldpea	200	200	200						
			Pigeonpea		100	100						
			Mungbean		150	150						
			Urdbean		100	100						
			Total	**3200**	**5500**	**6200**		**300**	**192**	**378**		

AICRPs: targets of quality seed production and Budget allocation of pulses by each seed- hub during 2016-17 to 2018-19

State	Name of the centre	District	Crop/ Variety	Quantity of seed production (q)			Total	Budget allocation (Rs.in Lakhs)			Details of nodal officer	
				2016-17	2017-18	2018-19		Seed processing & storage infrastructure fund * (2016-17)	Revolving Fund		Name	Contact No. & E mail
									2016-17	2017-18		
CG	AICRP(Pulses), IGKV, Raipur	Raipur	Pigeonpea	150	150	150	**2650**				Dr. R.N. Sharma	9406300769 RN.Raipur@gmail.com
			Fieldpea	250	300	300		50	40	60		
			Chickpea	200	250	300						
			Lentil	150	200	250						
Total				**750**	**900**	**1000**						

ICAR - FLDs (2016-17)

Centre	Crop	Variey	Notification years	DAC Indent (q)	Allocation (q)	Indenter (q)	
IGKVV, Raipur	Lathyrus	Prateek	2011	79.00	85.00	BI(2.00),(CG(75.00)	
IGKVV, Raipur	Fieldpea	Paras		22.00	25.00	CG (22.00)	
				5.00	7.00	CG (5.00)	

FP- Full Package technology, IPM- Full Package with IPM technology, ELSK- Full Package for Extra Large Seeded Kabuli, RF- Full Package in Rice Fallow

ICAR - BREEDER SEED PRODUCTION (2016-17)

Allocation of Breeder Seed Production of Chickpea during Rabi 2016-17 for the indent of 2017-18

S. No.	Variety	Year of Release	N.S. form	Name of the producing Breeder	Centre	DAC Indent (q)	Allocation (q)	Indenter (q)
	Vaibhav (RG 9218)	2001	Raipur	Dr. P.L. Johanson Sr. Breeder	IGKVV, Raipur	40.00	50.00	CG (40.0)

(Annexure-XI)

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**		

S. No.	Districts	Name of Pulse Crop	Area (In 000 ha)	Prevalent Varieties	Recommended Varieties (ICAR/SAUs)
State Total		Pigeonpea	121.64		
Chhattisgarh		Urdbean	168.29		
		Moongbean	45.19		
		Chickpea	356.52		
		Lentil	29.03		
		Peas	48.14		
		Lathyrus	338.22		
		Other Pulses	75.34		
		Total Pulses	**1175.78**		

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