



GOVERNMENT OF ODISHA



ACTIVITY REPORT

2018-19

DEPARTMENT OF AGRICULTURE
AND FARMERS' EMPOWERMENT

KRUSHI ODISHA - 2019





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ACTIVITY REPORT

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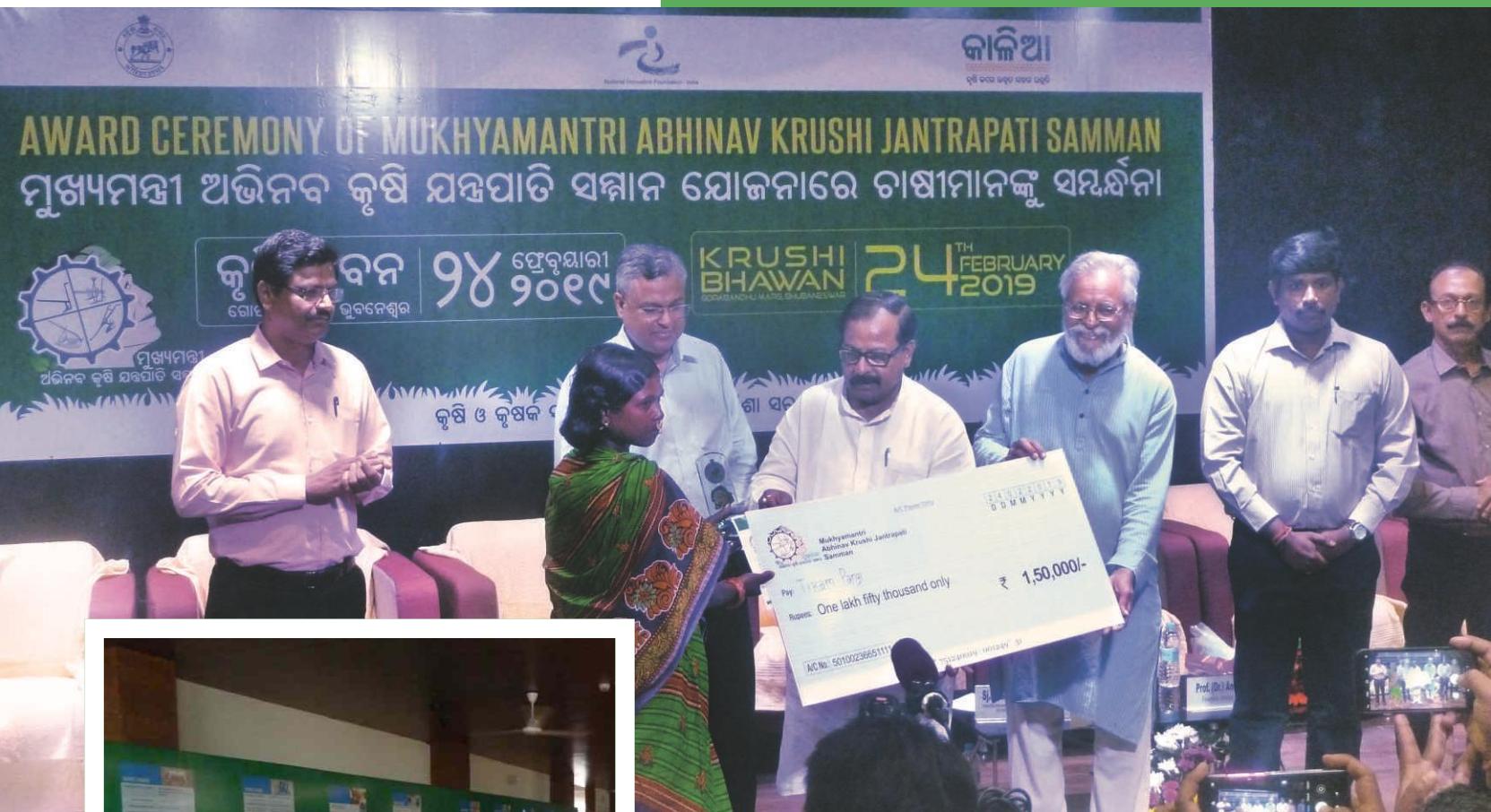
DEPARTMENT OF AGRICULTURE
AND FARMERS' EMPOWERMENT

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*Farmers being awarded under **Mukhyamantri Abhinav Krushi Jantrapati Samman** for their innovations of agricultural implements*



Exhibition of Farmers' innovations in the field of Agricultural Mechanization on the occasion of the Award Ceremony of Mukhyamantri Abhinav Krushi Jantrapati Samman



INTRODUCTION

Agriculture being the lifeline of Odisha provides employment to about 45% of the work force. The geographical area of the state is 155.71 lakh hectares out of which 39.69% i.e. 61.80 lakh hectare is the cultivated area. Small and marginal farmer constitute more than 92% of farming community. Physiography divides the state into 4 zones i.e. (1) Northern Plateau (2) Eastern Ghat Zone (3) Central Table Land Zone (4) Central Zone. Edaphoclimatic situation of the state is divided into 10 agro climatic zones. The state is suitable for a wide range of crops like food grains, oilseeds, cash crops, hortisilvi culture crops has good potential for agricultural growth.

The state took a good number of steps for development of agriculture and allied sector. A separate budget to focus agriculture is being presented since 2013-14. The allocation for agriculture was Rs 7162.00 crores during 2013-14 & it increased to Rs 179360.57 crore during 2018-19. To facilitate long term and short term growth in agriculture sector and quick decision making thereof, one 'Agriculture Cabinet' as a committee of the council of Ministers of the state is constituted. Despite hurdles like natural calamities, pest outbreaks, erratic monsoon, efforts of the state government has been significant for growth in agriculture production.

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SIGNIFICANT ACHIEVEMENTS



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State Government is awarded with Krishi Karman Award during 2010-11, 2012-13, 2013-14, 2014-15, 2016-17 for higher food grains production.

Production of **92** lakh MT of food grain during 2018-19 leading to self sufficiency in rice production. Productivity & production of rice has doubled since 2001-02

The State is the largest producer of **Sweet Potato** in the country, contributing 30% of the national production.

Sweet Potato was selected as the **mascot** for **Krushi Odisha 2018-19** (State Agriculture Fair)

1st position in paddy straw **mushroom** production in India. Odisha produces **13%** of total **mushroom** produced in the country.

3rd largest state in production of **cashew**.

A separate **Agriculture Budget** as a result more than 100% increase in Agriculture budget outlay from Rs. 7162 Cr. in 2013-14 crore to **Rs. 16,765 Cr.** in 2018-19, catering to Agri-specific, mega interventions.

42.65 lakh Farm Households have been covered under **KALIA** (Krushak Assistance for Livelihood and Income Augmentation).



A Farmers' welfare programme - Krushak Assistance for Livelihood and Income Augmentation (KALIA) has been introduced to accelerate agricultural prosperity and reduce poverty in the State through providing support to cultivators for cultivation @ Rs.10,000/- per family for small and marginal farmers both for Kharif and Rabi seasons, livelihood support of Rs.12500/- per family for landless agricultural households for taking non farm activities such as goat, sheep, poultry farming, mushroom cultivation, bee keeping and fishery activities, financial assistance to vulnerable agricultural households @Rs.10,000/- per house hold, life insurance support to cultivators & landless agriculture labourers and Interest free Crop loan upto Rs.50,000 to the farmers. More than 37 lakh farmers have been covered under the programme. This initiative of the State Government has been recognised and appraised at the various forums in the country. **KALIA** scheme of the State Government is perhaps the 1st **Universal Basic Income (UBI)** scheme of the country.

A comprehensive State Agricultural Policy is being implemented in the State since 2008 and subsequently revised in 2013.

Agriculture Department has been renamed as Department of Agriculture and Farmers' Empowerment. All these are not merely symbolic exercises but rather strategic steps towards a farmer centric development in the State.

Odisha Organic Farming Policy has been launched in **MAKE IN ODISHA CONCLAVE -2018** to promote organic farming in the State. It has been programmed to cover 2 lakh hectares in the next 5 years.



Odisha Farmer Producer Organisations (FPOs) Policy launched during Krushi Odisha 2018 to make the state the most sought for agribusiness and food processing sectors with focused attention and handling support to Farmer Producer Organisations (FPOs) in production, aggregation, storage, processing, distribution and marketing of agriculture and allied sector resources for sustainable development by generating large scale employment in rural and semi urban areas.

Global Leadership Award in 2016-17 by Indian Council of Food and Agriculture



Production of **mango** increased from 4.31 lakh MT during 2006-07 to 8.13 lakhs MT in 2017-18

Recognition from Protection of Plant Varieties Registration Authority (**PPVRA**) at national level. 1097 paddy & 231 non-paddy "Farmers' Varieties" registered

Steps have been taken for **promotion of non-paddy crops** among the farmers of the State as Odisha has become the surplus State in Paddy production and become the 4th largest paddy producing State in the Country. In order to provide nutritional security the **Millets Mission programme** was **strengthened** for promotion of millets in the State. Implementation of Odisha Millets Mission (OMM) in the 11 districts in 53 blocks by involving 40 NGOs and 53 CBOs. Steps have been taken for extension of OMM programme to 72 blocks covering 14 districts of the State. During 2018-19, 12,257 Hectares have been covered by involving 27,876 farmers under the programme. Besides, steps have been taken for procurement of millets from the farmers under the millets mission programme to provide remunerative price to the millets farmers and so far 17,986 quintals of Ragi have been

procured from the farmers. The initiative of Millets Mission programme of the State received the **SKOCH Order-of-Merit Award** at the national level. Besides, State Government received award for best government initiative from Indian Institute of **Food Processing Technology, Thanjavur** in November, 2018 for the programme.

The state has won **CSI-Nihilent Best e-Governance Award 2017** for administering seed input subsidy through DBT.

High yielding varieties (Rice-2, Sugarcane-1, black gram-1 and finger millet-1) and 1 BHP resistant paddy variety (Hasanta) released by **OUAT**

12 new varieties of paddy introduced in 2017-18 which are less vulnerable to pest attacks

In order to recognise and promote innovative farmers in the State in the field of Agriculture mechanisation, '**Mukhyamantri Abhinav Krushi Jantrapati Samman**' programme has been launched during 2018-19 in association with National Innovation Foundation-India (NIF). Award Ceremony was organised



Hon'ble Minister, A & FE, FARD, and Director, Agriculture & Food Production interacting with the innovative farmers at exhibition organized on the occasion of the award ceremony of Mukhyamantri Abhinav Krush Jantrapati Samman

February, 2019 and 11 innovators were felicitated at State Level and 90 innovative farmers awarded at district level. More than 2000 innovators participated in the programme. This initiative of the State Government has received the **Partnership Award** from NIF.

Mukhyamantri Krushi Udyog Yojana has been launched in the State to provide single window facilities for establishment of agri-enterprises.



With a view to promote 1,000 agriculture entrepreneurs in 3 years a new scheme namely Agricultural Entrepreneurship Promotion Scheme 2018 was introduced to provide quality inputs, technological service including farm equipment and marketing assurance at the doorsteps of the farmers through value chain enabler termed as Agri-Entrepreneur to be worked at GP level for helping farmers through providing missing farm service through the scheme.

More than 6000 commercial Agri-enterprises set up with an investment of Rs. 800 Cr. generating **3.2 lakhs employment** (direct & indirect) in last 5 years



With a view to provide remunerative prices to the farmers for non-paddy crops namely green gram, black gram, arhar, groundnut and sunflower, the Price Support Scheme has been introduced for these crops through involvement of NAFED in the State. During 2017-18 under the programme 2670 MT of green gram, 4220 MT of black gram, 2640 MT of groundnut, 130 MT of sunflower seeds were procured from the farmers of the State through MARKFED. Programme has also been made for

providing PSS support to the farmers for 2018-19.

Steps were taken for development of a **uniform procurement policy** for all directorates both for State level and district level **for purchase of inputs** such as pesticides, bio fertilizers, herbicides, etc. for supply to the farmers under subsidy schemes and for demonstration purposes.

In recognition of the commendable efforts in the area of Conservation / Management, Koraput district of Odisha got the **2nd prize** both in the categories of Best District (East Zone) for **Ground Water Recharge** and Best District (East Zone) for **Rejuvenation / Creation of Water Bodies** respectively in February, 2019 by the Hon'ble Minister, Road Transport & Highways, Shipping and Water Resources, River Development & Ganga Rejuvenation.

Cashew varieties Jagannath, Balabhadra developed by OUAT

In order to increase production and productivity of pulse crops and its further improvement, one MoU was between Indian Institute of Pulses Research, Kanpur & Odisha University of Agriculture & Technology (OUAT) in February, 2019 for setting up of the **Regional Pulses Research Centre in the State**.

Inter Ministerial Committee formed to look into the issues regarding the policies and programmes for the growth and development of farmers', examine the existing schemes/provisions for the welfare of the farmers of the State, suggest measures for long-term welfare of the farmers, etc.

Dedicated Agriculture Cabinet for faster processes, sectoral growth & development



Meeting of Mr. Matthew Morell, Director General, IRRI with Dr. Saurabh Garg, IAS, Principal Secretary to Govt., DAFF

Collaboration with the International and national institutes like ICRISAT, IRRI, ICARDA, AVRDC, ICRAF, CIMMYT etc. and other organisations like BMGF, NSC, MSSRF, PRADAN, etc. to increase the productivity and reduce the cost of production through promotion of new technology, capacity building and input availability have been undertaken

During FY 2017-18, 2931 water harvesting structures have been constructed in the 169 on-going watershed clusters implemented under WDC-PMKSY and 10,750 hectares of **protective irrigation potential** has been created.





MoUs was signed in the month of February, 2019 with NABKISAN Finance Limited and Directorate of Horticulture for setting up of a **Credit Guarantee Fund (CGF)** for collateral free loan facilities to Farmers' Producer Organizations (FPOs). This is the 1st Credit Guarantee Fund initiated by any State Government in the country in the agriculture sector.

Integrated farming system in 6393 ha in 47 clusters in 19 districts during 2017-18 under Rainfed Area Development programme.

To enable the small holder to produce and consume more nutritious food through agroforestry system in the State a project was introduced under RKVY programme namely "Enabling smallholders in Odisha to produce and consume more nutritious food through Agroforestry Systems" by involving World Agroforestry Centre (ICRAF). A Memorandum of Agreement was signed with World Agroforestry Center (ICRAF) to mutually work together for this agroforestry project. During 2017-18, 39 nurseries have been developed; 405 hectares of area covered under plantations programme and 2.15 lakh nos. of trees have been planted under periphery plantation programme under Agroforestry Initiative.

Directorate of Agriculture and Food Production was reorganised to strengthen the agriculture extension system of the State. Besides, at the

Panchayat level, a **fixed day visit of GP level extension personnel** i.e. VAWs/ Aos./ HEWs/ SCEWs to GP headquarter in every week was introduced for interacting with farmers on the various issues pertaining development of agriculture and allied sectors activities.

For timely implementation and monitoring of various schemes at the various levels starting from village to State Headquarters, **Agriculture Dashboard** has been launched during 2018-19 in association with ADAPT.

In order to strengthen the extension system and to provide timely information to the farmers of the State, two way mobile phone based extension system was introduced in the State and one MoU was signed with **Precision Agriculture for Development (PAD)** and **J-PAL South Asia** and so far 2.27 lakh farmers have been registered under the programme.

For timely availability of seeds strategic partnership made with National Seeds

Corporation and emphasis has been given for production and supply of more of non-paddy seeds to the farmers. Seed reserve policy has been introduced for effective risk mitigation and more focus on less than 10 year variety seeds especially for non-paddy crops (pulses, oilseeds)

Direct benefit transfer to individual farmers for Jalanidhi scheme has been introduced. Selection process of Irrigation point for Jalanidhi-I,II ensures the convergence with micro irrigation, crop planning and extension activities

Fasal Surakhya Abhiyaan launched in 2018-19, where more than 100 Pest Scouts were stationed at pest prone blocks to expedite risk mitigation.

More than 20 lakh farmer insured under **PM Fasal Bima Yojna – highest** achieved by State.

During 2013-14 to 2017-18, 19 Multi-commodity Cold Storage, 35 Cashew Processing Plants, 619 Small scale preservation units, 1237 Pack Houses, 2348 lowcost onion structured have been created under **Post harvest management** of horticultural crops. In 2017-18 alone, 2499 different post harvest activities have been achieved.

797 hectares have been covered under **protected cultivation** through construction of poly house, shed net house, mulching and plastic tunnel.

5858 hectares under fruit plantation like mango, banana,cashew, papaya etc. and 2500 hectares under vegetables, 370 hectares under floriculture, 35 hectares under aromatic plants have been covered under **area extension programme**.



MoU signed between PRADAN, OLM, BRLF, Directorate of Horticulture in November, 2018 for implementation of project- **Promotion of Agriculture Production Clusters (APCs)** in Tribal Region of Odisha covering 40 backward blocks of 12 tribal districts of the State by involving 1 lakh small and marginal farmers through cultivation of high value crops in 20,000 hectares, grooming of 750 market linked Agri-Entrepreneurs as value chain enablers under the project..

To encourage farmers for taking up plantation programme, 5 lakh fruit seedlings have been distributed to the farmers for **backyard plantations**.

250 betel vine conservatory have been established under special crop specific betel vine programme and 1031 hectares under Special crop scheme for coconut.



In the path of progress.....



LAUNCH OF
SAURAJALANIDHI
ON 30th OCT 2018



Preseasonal Orientation Workshop
for Kharif Campaign-2018 held on 9th & 10th April 2018
at the M S Swaminathan Hall, OUAT, Bhubaneswar



MoU signed between the DA&FE, Govt. of Odisha and JSL(Jindal Stainless Steel) and GUF(Gram Unnati Foundation) for "Doubling Farmers' Income in Odisha Intervention".



LAUNCH OF
KALIA
ON 31st DEC 2018



MoU signed between the DA&FE, Govt. of Odisha and NIF(National Innovation Foundation) for "Farmers' Innovation in Agriculture Implements".



Preseasonal Orientation Workshop
for Rabi Campaign 2018-19 held on 13th-15th Nov 2018
at KRUSHI BHAWAN, Bhubaneswar



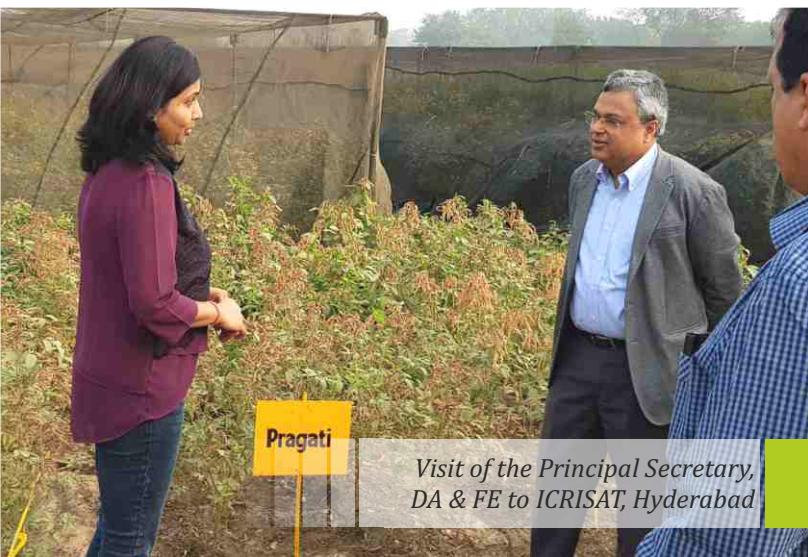
Inauguration
of KRUSHI
BHAWAN
on 20th Sept
2018



MoU being signed by Dr. Muthu Kumar, IAS, Director,
Agriculture & Food Production with ICRISAT for
implementation of BHUCHETANA Project



Regional Meeting for Kharif Crops
for Marketing Season 2019



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BUDGETARY SUPPORT TO THE DEPARTMENT



2.1. The Department's elaborate field organization is supported by the Establishment, Operations & Maintenance (EOM) budget of the State Government. Strategic interventions for increasing production and productivity of various crops and plethora of watershed development programmes are supported by budget provision mainly under various Centrally Sponsored Schemes. Budgetary support in the form of back-ended subsidy for investment subsidy on private L.I.Ps (Deep Borewell, Dugwells, Shallow Tube wells and Surface lift points) under Jalanidhi -I & II and capital investment subsidy on Commercial Agro-Enterprises, Agro Service Centres and several other important programmes are provided under the State Plan. For a holistic development of Agriculture & allied sectors, the flagship scheme namely

Rashtriya Krishi Vikas Yojana (RKVY) is being implemented in the State from the year 2007-08. Several central sector schemes are being implemented in the State that include National Food Security Mission (NFSM), National Mission for Sustainable Agriculture (NMSA), National Mission on Oilseed and Oil Palm (NMOOP), National Mission on Agricultural Extension and Technology (NMAET), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY, Paramparagat Krishi Vikas Yojana (PKVY) etc. Four Sub Missions namely Sub Mission on Agricultural Extension (SMAE), Sub- Mission on Seed and Planting Material (SMSP), Sub Mission on Agricultural Mechanization (SMAM) and Sub Mission on Plant Protection and Plant Quarantine (SMPP) under National Mission on Agricultural Extension and Technology (NMAET) are being implemented in the State. The Horticultural Development Activities are mainly taken up under a comprehensive scheme namely Mission for Integrated Development of Horticulture (MIDH). National Horticulture Mission is being implemented under MIDH. National Horticulture Mission is now implemented in 24 districts of the State. Except area expansion under fruit crops all other initiatives of NHM are being implemented in all districts of the State. Government have launched a scheme for development of horticulture in 6 Non-Mission Districts namely Bhadrak, Boudh, Jagatsinghpur, Jajpur, Kendrapada and Jharsuguda under the State Sector Scheme. Several other strategic interventions in horticulture are supported by State Sector Scheme. An ambitious watershed development programme is supported under Integrated Watershed Management Programme (IWMP). Keeping in view of the above the re-charging of ground water though a large number of watersheds efforts are being intensified for sustainable harnessing of groundwater in water deficit areas of the State to increase production and productivity of various crops. Fortunately, the State has very good reserves of ground water in many villages located in the rain-fed areas.

2.2. Including the Supplementary Budget provision, during the year 2018-19, the Department received a Budget provision of Rs. 4955.05 Crore in total, out of which Rs. 777.46 crore under Establishment, Operations & Maintenance (EOM), a Budget provision of Rs. 2089.75 crore under State Sector Scheme (SSS) and a Budget provision of Rs. 2087.84 Crore under Centrally Sponsored Schemes (CSS), out of which the Central Share (CS) is Rs. 1252.70 Crore and the State Share (SS) is Rs. 835.14 Crore. The CSS budget provision includes Rs. 750.00 crore under Rashtriya Krishi Vikas Yojana (RKVY), Rs. 161.53 crore under National Food Security Mission (NFSM), Rs. 33.12 crore under National Mission on Oilseed & Oil Palm (NMOOP),, Rs. 148.33 crore under National Horticulture Mission (NHM), Rs. 155.20 crore under Integrated Watershed Management Programme (IWMP), Rs. 50.00 crore for Pradhan Mantri Krishi Sinchayee Yojana (PMKSY- Per Drop More Crop) and Rs. 250.00 Crore for Pradhan Mantri Krishi Sinchayee Yojana (PMKSY-Har Khet Ko Pani), Rs. 50.00 crore under World Bank assisted Neeranchal Project, Rs. 30.53 crore under Paramparagat Krishi Vikas Yojana (PKVY) etc. Further, Government of India have released Rs. 154.23 crore under Rashtriya Krishi Vikas Yojana, Rs. 30.00 crore under National Horticulture Mission (NHM) for carrying out horticultural activities in the State. The State has also received from GoI Rs. 81.75 crore under NFSM,

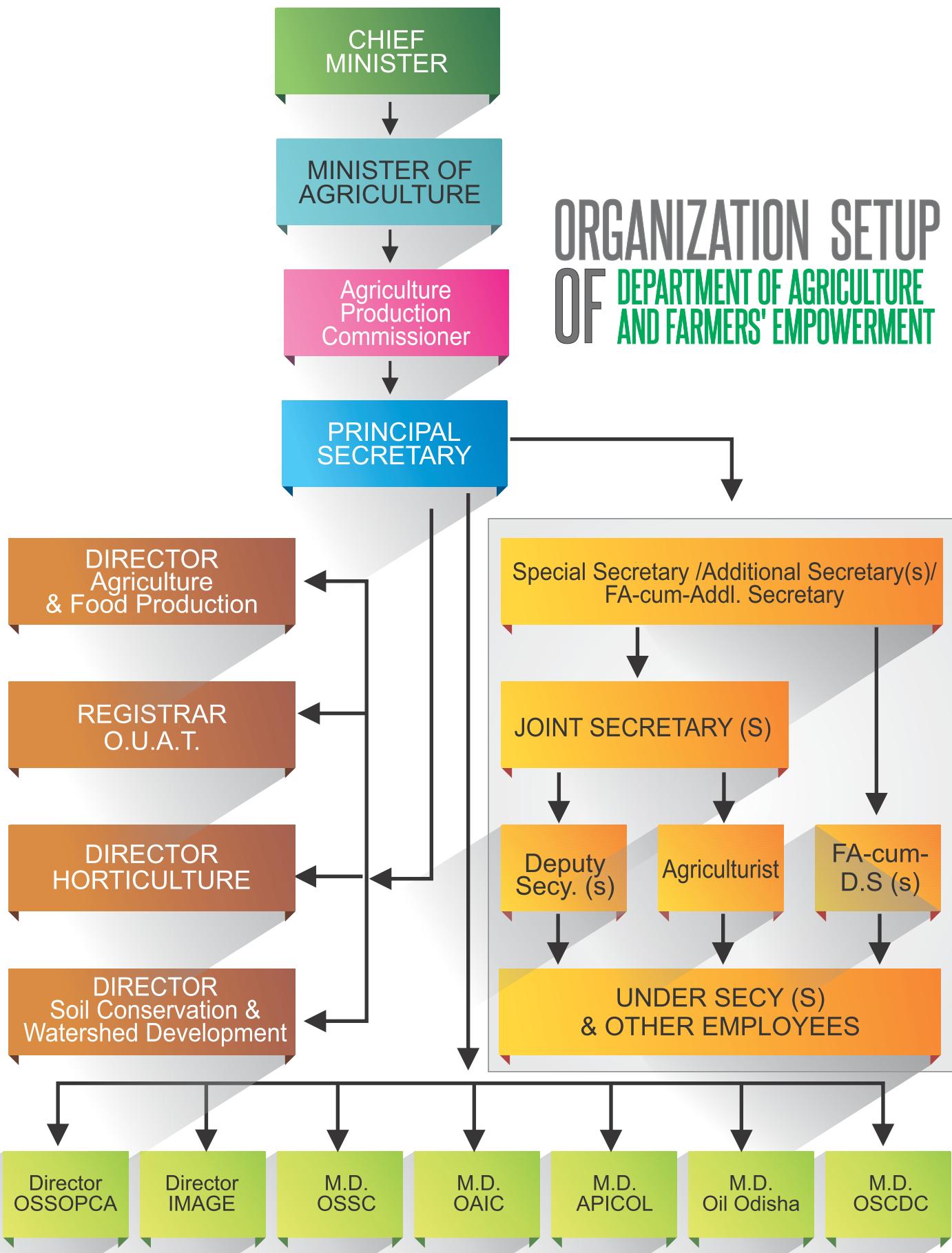
Rs.35.56 crore under Sub-Mission on Agriculture Extension, Rs.10.80 crore under NMOOP, Rs.58.17 crore under IWMP, Rs. 17.00 crore under Rainfed Area Development & Climate Change (RAD & CC) etc.

2.3. For the year 2018-19, Department has proposed an Establishment, Operations & Maintenance (EOM) Budget provision of Rs. 764.26 crore which include Rs. 132.65 crore for Grant-in- aid to OUAT. Besides, a provision of Rs. 3359.09 crore has been proposed which includes Rs. 1659.09 crore for State Plan schemes and Rs. 1700.00 crore for Centrally Sponsored Scheme (CSS). The provisions for CSS include Rs. 605.00crore under RashtriyaKrishiVikasYojana (RKVY), Rs.161.53crore for National Food Security Mission (NFSM), Rs. 48.57crore under National Mission for Sustainable Agriculture (NMSA), Rs.23.21crore under National Mission on Oilseed & Oil Palm (NMOOP), Rs. 239.06crore for National Mission on Agricultural Extension & Technology (NMAET), Rs. 103.54 crore under National Horticulture Mission (NHM), Rs. 155.20 crore under Integrated Watershed Management Programme (IWMP), Rs.50.00crore under World Bank assisted Neeranchal Project, Rs. 30.53 crore under ParamparagatKrishiVikasYojana (PKVY), Rs. 100crore under PradhanMantriKrishiSinchayeeYojana (PMKSY): Per Drop More Crop &HarKhetKoPanicombinedly etc.

2.3. For the year 2019-20, Department has proposed an Establishment, Operations & Maintenance (EOM) Budget provision of Rs. 851.47 crore which include Rs. 143.16 crore for Grant-in- aid to OUAT. Besides, a provision of Rs. 6884.54 crore has been proposed which includes Rs. 5517.68 crore for State Sector schemes and Rs. 1366.86 crore for Centrally Sponsored Scheme (CSS). The provisions for CSS include Rs. 400.00 crore under Rashtriya Krishi Vikas Yojana (RKVY), NFSM other crops Rs 175.86 crore, NFSM oilseed and oil palm Rs. 30.00 crore, Submission on Agriculture Mechanisation Rs. 115.00 crore, Submission on Seed and Planting materials Rs. 10.00 crore, submission on Agriculture Extension Rs. 150.29 crore, Soil Health Card Rs. 11.34 crore, RAD & CC Rs. 50.00 crore, National Horticulture Mission Rs. 100.00 crore, IWMP Rs. 50.00 crore, PMKSY per drop more crop Rs. 68.00 crore, PMKSY hark het ko pani Rs. 150.00 crore.



ORGANIZATION SETUP OF DEPARTMENT OF AGRICULTURE AND FARMERS' EMPOWERMENT



KALIA

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The State Government has introduced Package for Farmers' Welfare – Krushak Assistance for Livelihood and Income Augmentation (KALIA) to further accelerate agricultural prosperity and reduce poverty in the State. This scheme is progressive and inclusive. It covers 92% of the cultivators, loanee as well as non-loanee farmers, share croppers (actual cultivators) and landless agriculture labourers. It also specifically takes care of vulnerable agricultural families identified through Gram Panchayats, and makes crop loans available at 0% interest. It has 5 components as follows

-  1 Support to cultivators for cultivation
-  2 Livelihood support for landless agricultural households
-  3 Life insurance support to cultivators & landless agriculture labourers
-  4 Financial Assistance to vulnerable agricultural households
-  5 Interest free Crop loans
-  6 Scholarship for Farmers' Children

It had been programmed that Support to cultivators for cultivation and Livelihood support for landless agricultural households being implemented during 2018-19 with the objective to cover 42.66 lakh small & marginal farmers/ landless agricultural households during 2018-19.

SUPPORT TO CULTIVATORS FOR CULTIVATION

Agriculture production suffers due to low productivity, frequent occurrence of natural calamities & low level of public/ private investment. Thus, investment is the surest way to enhance agricultural productivity and also income of the farmers. The Scheme is being implemented from the year 2018-19 Rabi onwards to take care of the initial investment needs of every small & marginal farmer. Under this component, support is provided for cultivation to the small & marginal farmers by way of a grant of Rs. 5000/- per farm family per season for purchase of inputs like seeds, fertilizers, pesticides, towards labour & other investments in the field operations based on the farmers' choice for the crop season. Thus in a year, all the small and marginal farmers will receive Rs. 10,000/- for Kharif& Rabi, combined. This component is not linked to the extent of land owned and thus is more progressive in favour of all the small & marginal farmers.

33.248 lakh small/marginal farmers/ share croppers have already been provided financial assistance through DBT mode during 2018-19.

LIVELIHOOD SUPPORT FOR LANDLESS AGRICULTURAL HOUSEHOLDS

Livestock, Fishery & Horticulture based activities are the key drivers of economic growth in rural areas particularly for landless households as the income from wage labour alone is insufficient. Agriculture and allied sector assumes immense significance as additional activities in rural area, which contribute substantially in enhancing their income and overall wellbeing. In addition to others, this will particularly benefit the Scheduled Castes and Scheduled Tribe population of our State. The activities are; i) Small goat rearing units, ii) Mini layer units, iii) Dual purpose Low Input Technology bird units, iv) Duckery units, v) Fishery kits for fishermen, vi) Mushroom cultivation, vii) Bee keeping, viii) Dairy Farming and ix) Tasar Farming. The landless households will have the option of selecting any one of the livelihood units as per their choice. The unit cost for each of these activities is Rs. 12,500 for each household. Under Livelihood support for landless agricultural households, financial assistance of Rs. 12,500/- is provided in three tranches for enhancing their income and overall wellbeing.

9.4 lakh landless agricultural households have already been provided financial assistance through DBT mode during 2018-19.

The other three components shall be implemented during 2019-20 and 2020-21.





AGRICULTURAL ACTIVITIES: OPENING NEW VISTAS FOR AGRICULTURE DEVELOPMENT

Odisha is predominantly an agrarian state with majority of its population depending directly or indirectly on agriculture for their livelihood. Agriculture sector contributes 18.9% to our Gross State Value Added (GSVA) (As per 2018-19 advance estimates, DES) and provides employment to more than 45% of the total work force (2015-16) forming the single largest employment sector of the State. Therefore, development in this sector is of paramount importance for socio-economic development in the state.

As per the 70th round report of National Sample Survey Organisation, the income of the farmers in the State doubled between the period of 2003 and 2012. Odisha Farmers' nominal income grew fastest in India, at 16.5% Compound Agricultural Growth Rate (CAGR) between 2002-03 and 2015-16 which is more than the agriculturally advanced states like Punjab and Haryana. The State is poised to multiply farmers' income with ever more proactive developmental interventions.

Farmer welfare initiatives by the Government comprising of different programmes have not only enhanced their income but also been instrumental in agricultural development in the state. These interventions are expected to boost the morale of the farming community as a whole and put a halt to the large scale miseries trying to defeat them and the agriculture production system.

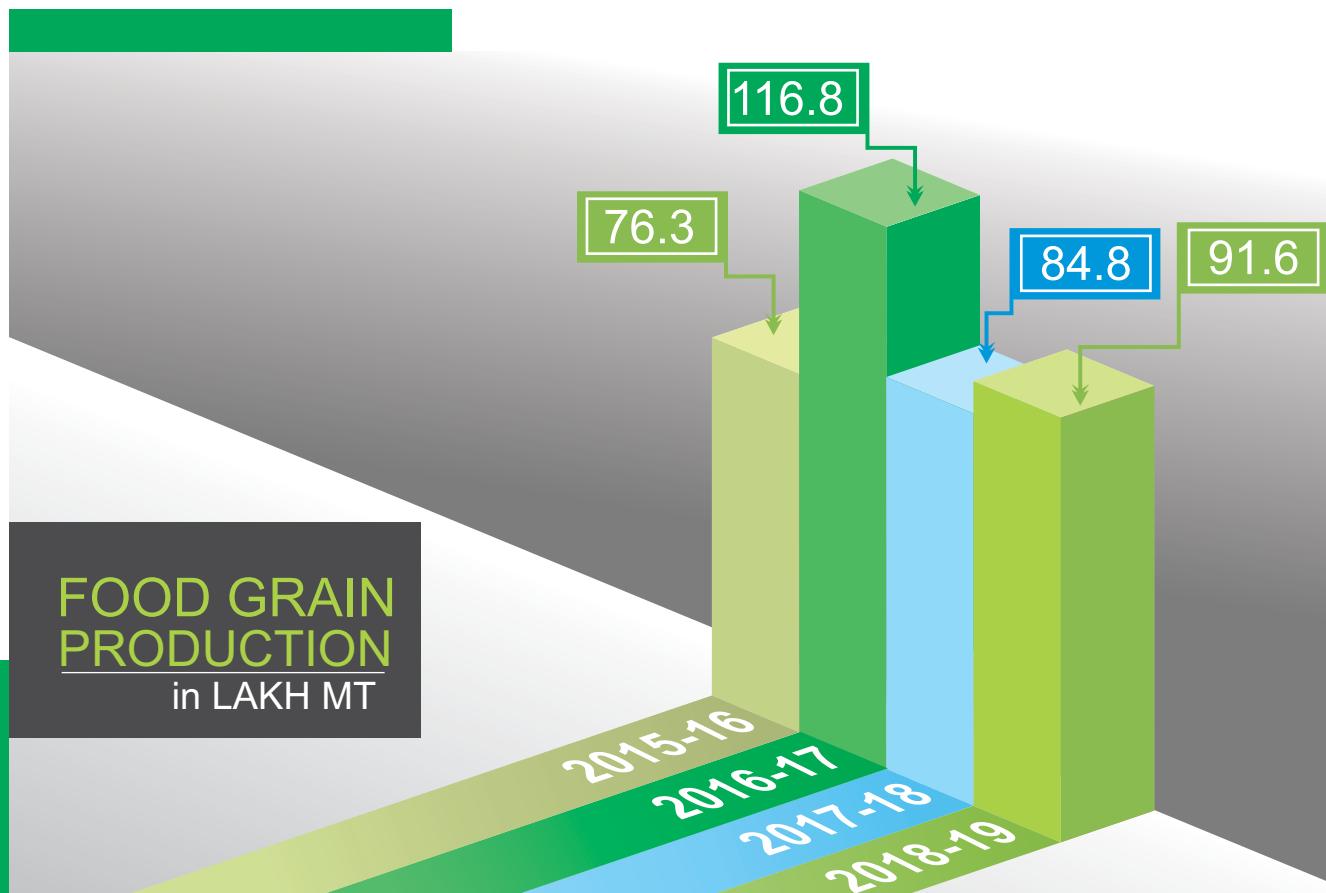
Our state continues to be on the path of a higher and sustainable growth rate in the sector by optimally exploiting the rich natural endowments and diversified agro-climatic conditions well supplemented by various interventions under the aegis of a more comprehensive and inclusive State Agriculture Policy.



Dr. M. Muthukumar, IAS, Director, Agriculture & Food Production visited paddy demonstration field under BGREI in Dhankauda block of Sambalpur district

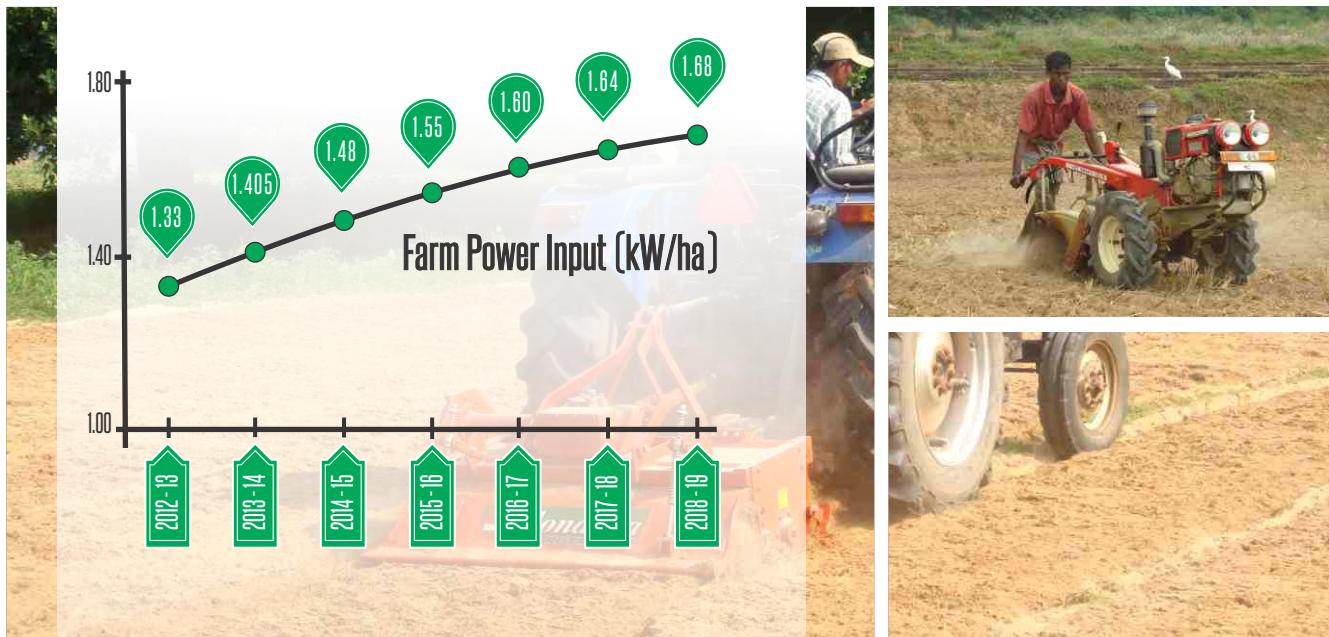
Major activities and outcomes in Agriculture Sector

The state has a cultivated area of 61.80 lakh hectares of which 29.14 lakh ha is high land 17.55 lakh ha is medium land and 15.11 lakh ha low land. Although irrigation potential has been created for 65% of the cultivated land (40.47 lakh ha of 61.80 lakh ha, 2017-18) around 2/3rd of the crops grown is still under rainfed conditions. Inspite of several hurdles like frequent occurrence of natural calamities, highly erratic monsoon, uneven distribution of rainfall, about 70% soils being acidic in reaction and 92% of operational holdings belonging to small and marginal category, agriculture has been on the growth trajectory and proven to be the most resilient industry of the state. Timely and appropriate measures in this sector have not only enhanced the income of the farmers but also contributed to strengthen their socioeconomic conditions. An overall reduction in poverty could be attributed to increased income from Agriculture since a majority of the populace depend on this sector for their livelihood, thereby enhancing their sense of well being in general.



Food grain Production Trends

The effervescent policy initiatives by the Government comprising of different pro-farmer programmes have been instrumental in agricultural development in the state. The foodgrain production touched a high of 116.8 lakh MT during 2016-17 registering 53% growth over 76.3 lakh tonnes during calamity stricken 2015-16. Adding a feather to her cap, the State bagged the prestigious Krishi Karman Award (Commendation Award) for the fifth time for 2016-17 (2010-11, 2012-13, 2013-14 & 2014-15, 2016-17), registering appreciable rate of growth in foodgrain production among B Category States (having production below 10 million tonnes). Again during 2017-18, the food grain production plummeted to a low of 84.8 lakh tonnes due to wide spread drought and pest incidence. However, it is estimated to increase to 91.57 lakh tonnes during 2018-19 inspite of widespread drought and cyclone "Titli" taking a toll of the crops. This was possible due to various amelioratory measures taken and constructive support by the Government. Inspite of all these, not only has the state become self-sufficient but also surplus in foodgrains. This feat has been possible due to concerted efforts put in by the valiant farmers, committed extension functionaries as well as other stake holders. Expecting a normal monsoon during 2019-20 it is envisaged to increase food grain production to 118.7 lakh tonnes.



Farm Mechanisation Sector has undergone a sea change due to aggressive steps taken up in line with State Agriculture Policy, which has addressed farm mechanization as one of the important interventions for increasing production & productivity. The increased pattern of assistance to the tune of 50–75% of the cost of the farm machinery has given a boost to the farm power input (the key indicator of level of farm mechanization) in the state. The farm mechanization scenario has gained momentum in the state since last 3-4 years. The farm power availability during 2018-19 has touched 1.68 kW/ha (In 2008 it was 0.85 kW/ha). We are catching up with the national average (2.02 kW/ ha) and poised to surpass it in the near future. Farm Mechanisation Promotion and Training Centres are being established to acquaint farmers with modern farm equipments, their use, repair and maintenance.

The state has the unique distinction of popularising wide range of crop specific

manual/ bullock drawn implements, developed in house, compared to other states through subsidy fold. Large numbers of resource poor marginal and tribal farmers are benefited by owning small implements and tools. In recent years, farmers of the state have shown positive response to own improved machinery which is evident from increase in popularization of machineries like tractor, power tiller, self-propelled rice transplanter, combine harvester, rotavator etc. Besides, Agro Service Centres/ Custom Hiring Centres/ Farm Machinery Banks are being promoted by extending capital investment subsidy for facilitating custom hiring of farm machineries by small and marginal farmers, mostly unable to possess high cost equipments. The state allocates a sizable chunk of its agriculture budget (over Rs 450.00 crores) for farm mechanization to meet the subsidy requirements to be given to the farmers on owning different machinery. Odisha is one of the first states to adopt on-line modus operandi for bringing transparency in popularisation and subsidy administration on farm mechanization.



During 2018-19, a scheme "Mukhya Mantri Abhinav Krushi Jantrapati SamanYojana (MMAKJSY)" was launched. Under MMAKJSY a total of 101 farmers have been awarded at State and District levels for inventing new farm tools and implements and using them in agricultural operations more efficiently. These farmers will also be supported to establish companies producing such innovative farm equipments if they so desire. This scheme will ensure that all such companies are registered under Start-up Odisha Initiative. The prime focus of this scheme is to help innovators and to provide assistance. The proactive policy has benefited all the stake holders involved in the programme implementation besides boosting mechanisation in agriculture.

Besides, the National Innovation Foundation has shortlisted the best 16 innovations for conferring awards on them. This will not only boost the morale of the farmer innovators but also be a rightful recognition for them.

Irrigation

Creating facilities for assured irrigation is high on State's agenda, in the backdrop of 2/3rd of the crops grown rainfed exposed to vagaries of monsoon. Only 28% of ground water potential has been exploited in the State. There remains enough scope for further exploitation of ground water through establishment of individually owned private lift irrigation points (Shallow Tube Well, Bore Well, Dug Well) and community based cluster STWs / surface lifts for agriculture purpose.



Among various endeavours being made for enhancing irrigation potential, the state also implements programmes like Jalanidhi and BijuKrushakVikasYojana for sustainable harnessing of ground water by establishing individually owned Private Lift Irrigation Points (PLIPs) & cluster PLIPs. The farmers are encouraged to install STWs/ BWs/ DWs where subsidy ranging from 50% to 75% is provided.

Since 2001-02, around 2, 30, 178 nos. of individually owned PLIPs have been installed in the farmers field and 4, 93, 376 ha of cultivable land have been brought under assured irrigation. Further, 6320 hectares have been brought under assured irrigation through establishment of 3440 nos of cluster lift irrigation points. Crop diversification from paddy to non paddy crops (vegetables) has taken place in the tube well commands. Owing to an independent evaluation study revealing that the cropping intensity in the tube well commands has increased to 190% and the productivity has also increased by 28% these projects are being promoted in a big way. Further, Mega lifts have been established in two potential pockets bringing another 1250 ha in to irrigation fold. Thus, the state continues with the intervention and planning

to establish 15000 more PLIPs during 2019-20.

During 2018-19, a new Scheme viz. SouraJalanidhi was launched with the aim of catering to the energigation needs of irrigation sources (dugwells) created using the green technology, especially in areas where it is relatively difficult for power connectivity. Of-late 92 such projects have been commissioned and it is envisaged to promote establishment of 5000 such projects during 2019-20.

Soil Health management is becoming an important aspect of modern crop husbandry. The Government have established 30 static and 17 mobile soil testing laboratories greatly enhancing the soil testing capacity. Besides, 314 mini soil testing labs have been established, one at each block level to cater to the soil testing needs. These, will enable to issue around 15 lakh soil health cards annually with recommendations for balanced fertiliser use. This capacity is provisioned to be enhanced through establishment more numbers of mobile STLs. The state has equipped all the static and 11 mobile STLs with testing facilities for secondary nutrients. This has enabled judicious crop nutrient



management practices there by giving a boost to the production and productivity.

Sale of fertilizers made mandatory through Point of Sale (POS) machines across the State. Fertilizer sale through POS installation has ensured better transparency of the sale and traceability of the fertilizer. Establishment of two new Railway Rake points at Dunguripalli and Junagarh has better facilitated the distribution of fertilisers. In order to make available required fertilisers in time a Corpus fund of Rs 100.00 crores has been constituted to extend interest free loan to fertiliser procurement agencies for prepositioning different fertilisers and avoid peak period rush. All these measures have lead to a increase in fertiliser consumption in the state, which touched a new high of 68.7 kg/ha during 2017-18 and estimated to touch 72 kg /ha during 2018-19.

Organic farming is being promoted in around 10400 hectares under Paramparagat Krishi Vikas Yojana. It is programmed to extend the programme to another 10400 hectares during 2019-20. Further, Organic clusters are also being promoted under Millet Mission. During 2018-19, State Organic Farming Policy was brought into force with an objective of bringing around 2 lakh hectares under organic farming

in next 5 years. This will be a giant leap towards achieving sustainability. Besides, integrated farming is being promoted for ushering an era of sustainable crop production.

Plant protection is one of the focus areas in the face of increased incidence of different pests and diseases standing as a hurdle in enhancing agriculture productivity. E-pest Surveillance is being implemented (fixed / roving survey) for major pests of paddy and non paddy crops (Arhar, Mung, Biri, Groundnut, Mustard, Cotton, Sugarcane) in 2040 GPs and 16320 villages covering 14,59,000 ha across the state and the pest and disease situation is kept under control through tight vigil. Appropriate crop advisory is rendered to the needy farmers for taking up need based plant protection measures. Under "Fasala Surakhyा Abhijan"



Final year agri. & horti graduates from OUAT were employed as Pest Scouts in 57 pest endemic blocks spreading over 18 districts to assist extension functionaries to monitor the incidence of pest and diseases and render necessary advisory. This has mostly helped us to keep the pest and disease load under control and minimise the damage inflicted. Besides, Seed Treatment campaign is being organised across the state as a preventive and pre-emptive step towards pest and disease control.



Biological control of crop pest is gradually gaining its popularity in the state as a potential component of Integrated Pest Management (IPM). A State Biological Control Laboratory is functioning at Bhubaneswar and seven biological control field stations at district level with an annual production capacity of 600 million bio-agents. During 2018-19, 9200 ha area was covered under biological control. Further, the state has approved establishment of six more Bio-Control Laboratories at Sambalpur, Keonjhar, Koraput, Raygada, Kalahandi and Jagatsinghpur which are under progress. These would greatly improve the production and utilisation of different eco-friendly biological agents.

MUKHYAMANTRI KRUSHI UDYOG YOJANA

MKUY- launched on 01.06.2018

Process simplification of CAE implementation modality through user friendly website and mobile application.

Time bound implementation & administration of incentives under SAP.

Direct involvement of line departments' Block Level Officers for project implementation.

To maintain better transparency by providing visibility to Citizen, APICOL and Bankers for closer project implementation and credit monitoring.

New user friendly website apicol.nic.in & Mobile App- MMKUY.



Alert SMS to all stakeholders at different stages.

Online viewing, processing and forwarding facility for relevant authorities at all levels.

System generated reports and letters.

Direct involvement of line departments' Block Level Officers for project implementation.



Geographical Indication for Agricultural Products like Ganjam Kewda Rooh, Ganjam Kewda Flower, Kandhamal Turmeric and Koraput Aromatic Rice shall further the avenues for better returns.

Mukhyamantri Krushi Udyog Yojana (MKUY) was launched with modified guidelines & implementation modalities of CAEs which is completely online, transparent with provision for time bound approval of CAE proposals. Online registration of 750 CAE proposals have been received out of which 277 Go-ahead letter have been issued till 31st March, 2019.

Out of total target of 7000 concrete drying platforms & threshing floors i.e. to cover all GPs, by now 5393 nos. have been established & balance will be completed by PR Department during this year.

Direct transfer of benefit (DBT) for subsidy transfer has been implemented in the entire state. This has been unique and one of the best

in the country. Further, DBT has been also implemented for administering subsidy under farm mechanization and other critical agri-inputs.

“On-line registration of beneficiaries and subsidy administration of Seed, farm equipments, On-line registration of Input dealers, E-monitoring of flagship programmes like NFSM, RKVY and ATMA etc help in better monitoring of field functionaries. Farmers need not visit on field officer for availing such benefits, thus, saving his/ her time.

The Government have gone ahead with putting in place a Decision Support System for process streamlining, effective review and monitoring and real-time governance through a collaborative programme ADAPT with Bill Melinda Gates Foundation (BMGF) & Samagra. This is aimed at 100% digitization of Scheme MPRs and further the effective implementation of different programmes and their envisaged

outcomes. This would also facilitate re-invigorating inter-department convergence at block level by tracking every fortnightly FIAC meetings.

Crop Weather Watch reports are being effectively monitored on-line from 2012-13. This has also helped the administration for being in readiness for any natural calamities in the offing and take up appropriate contingent measures. One such example has been the occurrence of drought & Titli (cyclone) during 2018-19, affecting standing crops. Due to timely and appropriate amelioratory measures the various economic activities have been put back to track.

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*Launching of AMA KRUSHI service by
Hon'ble Minister, A & FE*

In the past year, over 200,000 farmers across all 30 districts in Odisha have been on-boarded onto PAD's flagship "two-way Interactive Voice Response (IVR)" service, which has been named 'AmaKrushi'. Through this service, farmers receive a weekly advisory message on recommended best practices for cultivation in the entire crop cycle designed by expert agronomists. To ensure maximum outreach,

information is available in both Odia and Sambalpuri dialects and all content is field tested to ensure farmer comprehension. For instance, in the last Kharif, PAD's IVR service was one of the first to receive queries around rice 'hispa' and 'gundhi' bug pest from Western Odisha and used this to inform senior government officials who were then able to take pre-emptive action.

Under crop Insurance registration of non-loanee farmers has increased more than 4 times i.e. from 30,000 during 2016-17 to 2.83 lakh during 2018-19. To popularise enrolment under crop insurance by non-loanee farmers, massive capacity building and awareness generation programme have been taken up across the State to bring more farmers under crop insurance. The state is implementing the scheme; Support to Crop Insurance in the State from 2017-18 under state plan with the objective to cover 25 lakh farmers during 2019-20 with a budget outlay of 8.5 crores over a period of 5 years. Odisha has been able to settle insurance claims of farmers faster than most of other the states in the country. During 2018-19, around Rs.1726.78 crores of claims pertaining to 2017-18 have been settled and 7.18 lakh farmers have benefited. During 2018-19, around 20.75 lakh farmers, including 2.83 lakh non-loanee farmers, have enrolled under crop insurance. The state has gone ahead with implementation of two pilot projects in collaboration with NRSC (Crop Insurance Decision Support System) and IRRI (Science Based Crop Insurance). This has enabled selection of Crop Cutting Experiment (CCE) plots using Smart sampling Technique. As per this technique, geo-tagged CCE plot selections were made based on crop phenological parameters. This helped in vast improvement of CCE environment by making the plot selection process scientific & transparent. Using this technique, 30,511 nos of CCE plots in Kharif with two sets of substitute plots (to prevent casualties) were provided. Similarly, for Rabi season CCE plots for 751 Insurance Units were provided. Use of this pioneer technique has been hailed by Government of India. An "web service" for integration of Land Records with Crop Insurance Portal and "ACIM" portal for monitoring last mile connectivity of claim disbursement have been developed and all stakeholders like Insurance Companies,

Banks, State Government have been linked. These have made Crop Insurance services more efficient and fruitful.

Government has decided to provide Health Insurance coverage of Rs.1.00 lakh to 5 members of every farming community of the State under a scheme namely, "Biju Krushak Kalyan Yojana" (BKKY). About 69.70 lakh farm families have been enrolled under the scheme and about 6 lakh farmers have benefited under the programme and claims worth Rs. 293.34 crores have been settled.

Price Stabilisation Scheme (PSS) is being implemented in the state. The produce of 2017-18 i.e. about 12520 MT of moong, 4900 MT of biri, 4400 MT Arhar, 1500 MT of sunflower, 13480 MT of groundnut and 1798 MT of Ragi have been procured to avoid the distress sale of these commodities. Such support will continue to be extended.

In addition to Farm Information Advisory Centres in every block, Farmer Counselling Centres are being established in every GP to enhance the outreach of extension network. Improvement in Extension accessibility has been made by providing counseling to farmers by Village Agricultural Worker (VAW)/ Horticultural Extension Worker (HEW)/ Soil Conservation Extension Worker (SCEW)/ Agriculture Overseer (AO) on a fixed day of the week at GP headquarters.

A State level workshop has been organised inviting eminent scientists, thinkers, planners, administrators, NGOs and progressive farmers, extension experts and many other stake holders involved in agriculture from all walks of life for reorienting Agriculture Policy towards state specific needs for development in agriculture and allied sectors. The outcome of the workshop is expected to value add the

policy initiatives and further the pace of development in the sector.



Massive awareness campaigns have been held through organising Krushak Sachetanata Karyakrama, Krushak Sampark Melas at block level. Regional, District level and State level Agricultural fairs are organised every year to build awareness among farmers on achievements in farm sector and the opportunities in the offing. Besides, successful farmers from each district are being felicitated in recognition of their outstanding contribution to agriculture production. This has given a morale boost to the farmers of the state.

Government has intensified the efforts to enhance farmer's income with sustainable agricultural practices by promoting efficient extension & production technology, post-harvest solutions, effective value addition and remunerative market options. State Government is committed to usher in a sustainable and inclusive growth in the sector.

AREA EXPANSION PROGRAMME

(Small area, Large income)

Betel vine cultivation is highly labour intensive and particularly suited to small holdings. Once established, a Betel vine garden becomes a perennial source of employment and income generating for fulfilling the day to day requirements of the farmers. The income from Betel Vine plantation starts from 2nd year and continues minimum up to 15th year and the Annual income is Rs. 50,000/- from 10 cents of plantation area. In our State the Betel Vine is being promoted under State Plan and RKVY schemes.



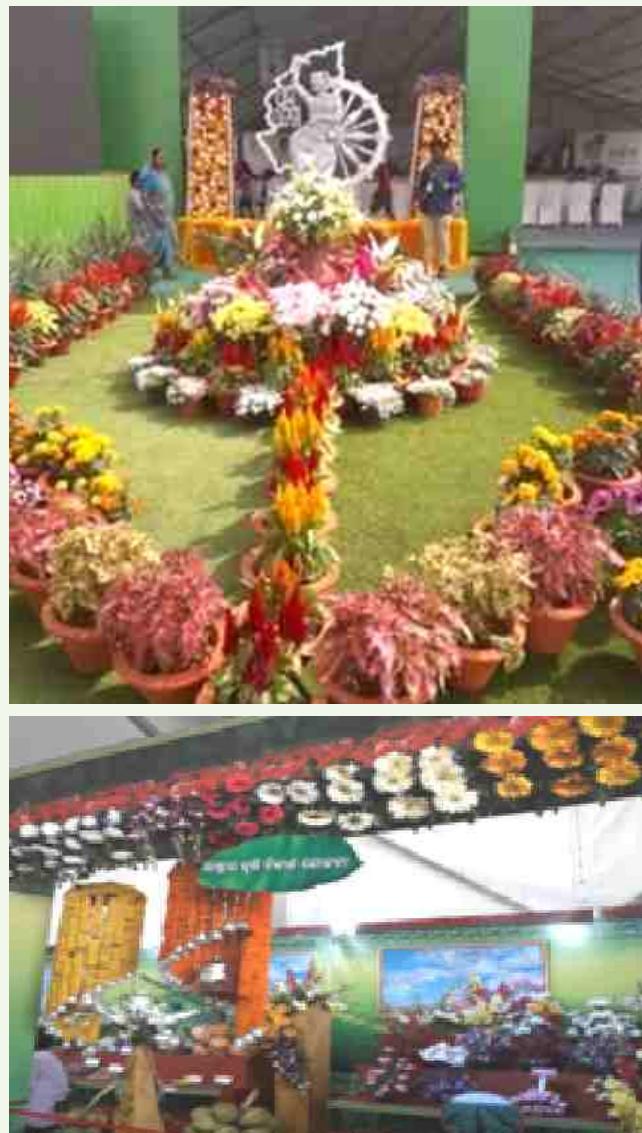
Workshop on Beekeeping for Enhancing Crop Productivity and Income

WORKSHOP ON BEEKEEPING FOR ENHANCING CROP PRODUCTIVITY AND INCOME

The National Level Workshop was organized on 5.12.18 by the Directorate of Horticulture at Krushi Bhawan, BBSR. The National Level delegates, scientists from OUAT, beekeepers had participated in the workshop. On this occasion one exhibition was also organized wherein the beekeepers and AICRP on Honey bee, OUAT had displayed boxes, honey extractors and other accessories which helped the farmers acquire gain knowledge on scientific methods of beekeeping. In this occasion, a booklet on honey bee was published and was distributed to the participants. The resource person of National Level and state level importance had enlightened the marketing strategy of Honey and boosting the farmers for Bee keeping & honey cultivation in the state along with the indirect benefits of increased crop production through pollination support by the Honey Bees.

KRUSHI ODISHA, STATE LEVEL AGRICULTURAL EXHIBITION

The State Level agriculture Exhibition was organised at Biju patanaik playground at Baramunda, Bhubaneswar from 15th to 19th January, 2019 in which Directorate of Horticulture has participated and depicted its activities in 10 stalls allotted for the purpose. To showcase different schematic activities of Horticulture Directorate ADH, Ekamrakanan, Bhubaneswar was entrusted to organise the same. Different activities like floriculture, fruit cultivation, inter-cropping, Protected cultivation and items of Farm mechanization were demonstrated for awareness of the farmers who had joined in the Pathasala Programme. Other interested / progressive farmers, entrepreneurs, poly house and shadenet house erectors had demonstrated their various enterprises where farmers could interact to have up-to-date knowledge. Two different centre of attention were developed with flowers where a lot of gathering could be felt during these 5 days programme where fruit saplings were also sold to the farmers and other visitors. Leaflets on various schemes / programmes and on cultivation practices were distributed to the public and farmers for better awareness of departmental



activities. The total theme of this State level Agriculture fair was Sweet Potato and its expansion in the State.



NATIONAL TOP EXPO AND SUMMIT 2018

The scheme of GOI OPERATION GREENS was launched with the main focus on critical interventions to enhance value realisation for the farmers, stabilise price for producers and consumers, promote integration of vegetable

markets with an objective to moderate and check gluts and shortages. The National TOP EXPO and Summit 2018 was organised jointly by the Department of Agriculture and Farmers' Empowerment in association with ICC on 20th and 21st December 2018 at Hotel Swosti Premium, Bhubaneswar towards the procurement, promotion and marketing of TOP crops i.e Tomato, Onion and Potato for ensuring better price for the farmers & growers and achieving sustainable production, productivity and food security.



STATE LEVEL FLOWER SHOW

The State Level Flower Show was organised by RPRC Bhubaneswar on 12th and 13th January, 2019 . Directorate of Horticulture had participated in the show. 3 stalls were provided by RPRC in which cut flowers, Flowering pots and various flower arrangements along with cultivation practices were displayed / highlighted.

PROMOTION OF ANNUAL FRUIT CROP FOR EARLY AND HIGH INCOME

The hybrid Papaya is an annual crop, where a farmer can have an income of about Rs. 2.00 Lakhs from 1 Ac. of area. In our State this is being promoted under MIDH (NHM) and State Plan schemes.



DOUBLING THE FARMERS' INCOME

In the newly established Mango Orchards, the Inter-cropping of Vegetables boosts up the farmers income from a unit patch of land. The inter-cropping of hybrid vegetables is being supported under MIDH (NHM) and State Plan schemes.

ACTIVITY OF LANDLESS HOUSEHOLD

Under MIDH (NHM) scheme, the farmers are being assisted to establish composite project on Mushroom cultivation & Spawn production thereby developing the entrepreneurs in the State with a very good income.



POST HARVEST MANAGEMENT

The Pack House is a structure, where the farmers assemble their farm produces and wash and clean followed by sorting and grading before being disposed off to the market. The farmer's are being assisted under MIDH (NHM) to take up such Post Harvest Management structures



VALUE ADDITION OF SPICES

This project has been completed as a joint venture of KASAM and Horticulture Department with an annual production capacity of 5000 MT which will help in processing and value addition of spices like Turmeric for better marketability and sustainable livelihood generation of more than 12000 tribal farmers of Kandhamal District.



GI-Logo

Kandhamal Haladi

Application Details

Application Number	610
Geographical Indications	Kandhamal Haladi
Status	Registered
Applicant Name	Kandhamal Apex Spices Association for Marketing (KASAM)

HISTORICAL ACHIEVEMENT

Kandhamal Haladi has been registered under Geographical Indications (GI) on 01st April 2019 which will boost the marketing prospects of processed and value added turmeric from this modernized plant.

FOOD SECURITY IN TRIBAL AREAS THROUGH CULTIVATION OF ROOT AND TUBER CROPS

The physiographic condition of the state is suitable for cultivation of Root and tuber crops like cassava, sweet potato, yam bean, yams, etc, which strengthen nutritional health at affordable prices. Tuber crops are popular mostly among the tribal populations of Odisha as the cultivation is easier and less infested by pest and diseases in comparison to other crops. Under RKVY scheme, the Area Expansion programme of Sweet Potato has been taken up in Mayurbhanj, Keonjhar, Deogarh, Boudh, Bolangir, Dhenkanal, Ganjam, Koraput and Gajapati districts. For the purpose, the nurseries are raised prior to the planting season to meet the requirements of quality planting materials.



COCONUT DEVELOPMENT BOARD (CDB)

INTEGRATED FARMING IN COCONUT HOLDING FOR PRODUCTIVITY IMPROVEMENT

Balanced nutrition and health care is a priority area to get good productivity in coconut. The scheme envisages to motivate the farmers to take care old plantation, to get good yield. A sum of Rs.35,000/- per ha. in two years has been provided to the farmers to manage the old plantation. 100% assistance is being received from GOI. During the year 2018-19, no funds were received from CDB for implementation of the programme.

However, during the year 2019-20, programme has been made to take up 500 ha. for maintenance in 1st year with a financial outlay of Rs. 87.50 Lakhs.

Name of the Component	2018-19 Physical		2018-19 Financial		2019-20 Target	
	Phy. Tar ha.	Phy. Ach. ha	Fin. Tar. Rs. In Lakh	Fin. Ach. Rs. In Lakh	Phy. in ha.	Fin. in Lakh Rs.
New	30	0	5.25	0	500	87.50

AREA EXPANSION OF COCONUT

It was decided to take up area expansion programme of CDB in convergence with State Plan scheme Crop Specific Scheme Coconut vide Govt. Lt. No. 15261, Dt. 26.09.2017. Accordingly, programme has been made to take up 1000ha. During the year 2018-19 with an estimated budget of Rs. 32.50 Lakhs. But, no funds were received from Coconut Development Board.

Assistance up to Rs. 24000/- will be provided for 1ha. in two years. The details break up is as below.

VARIETY	1st Yr.			2nd Yr.			Grand Total
	CDB	SP	Total	CDB	SP	Total	
TALL	3250	13550	16800	3250	3950	7200	24000
HYBRID	3375	13425	16800	3375	3825	7200	24000
DWARF	3750	13050	16800	3750	3450	7200	24000



*Dr. Saurabh Garg, IAS,
Principal Secretary to
Govt of Odisha, DA&FE
addressing to the
participants of the
Inception Workshop on
GAINS Phase II Project*



*Advanced
agri-implements
demonstration at the
Inception Workshop on
GAINS Phase II Project*



DIRECTORATE OF SOIL CONSERVATION AND WATERSHED DEVELOPMENT

The Directorate was created in the year 1978 with an aim to cater Soil & Water Conservation aspects of hilly, undulated upland and waste land area in the State. Different activities like Stabilization of coastal sand dune, Wasteland Development, Cashew Plantation, Watershed Development, Soil Survey have been undertaken under different schemes like NWDPRA, IWMP, RVP, IWDP, RLTAP, DPAP, RKVY, MGNREGS, PMKSY, IAP, RAD, DMF etc.

The activities taken up by this department during 2018-19 are described below.

WATERSHED DEVELOPMENT

133 Watershed clusters covering 1209 micro watersheds have been treated. Rs.230.09 crore has been spent. 2326 Water Harvesting Structure/Farm Pond/Check Dam have been constructed creating protective irrigation potential of 7857 hect. benefitting 18440 farmers. In addition to irrigation facility, production system like more coverage of rabi cropping, vegetable cultivation, pisciculture, livestock development promoted in the area.



In addition to watershed programme, water source for irrigation has been created under RKVY & RAD also. 180 Water Harvesting Structure / Check Dam have been constructed generating 1050 hect. of irrigation potential.

Integrated farming system has been promoted under different scheme like Rainfed Area Development, PMKSY. Emphasis is given on multi cropping integrating Horticulture, livestock, Fishery, Forestry, apiculture,

mushroom etc. which enable the farmers in not only maximizing farm production for sustainable livelihood but also to mitigate the impact of natural calamity like drought, flood and other extreme weather events. Under this programme, location specific crops, fruits, vegetable etc. are supported. During 2018-19, 71 clusters were taken up for development and 6300 hect. Integrated Farming System model demonstrated. Rs. 15.84 crore has been spent for the purpose.





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In recognition of the commendable efforts in the area of conservation /management, Koraput(Odisha)is awarded the 2nd prize in the category of Best District (East Zone) Ground Water Recharge and 2nd prize in the category of Best District (East Zone) Rejuvenation /Creation of water Bodies. Awarded by Union Water Resources ,River Development and Ganga Rejuvenation Minister honourable Sri Nitin Gadkari in a special function held at New Delhi on Dt 25/02/2019.

RECLAMATION OF PROBLEM SOIL

Seven coastal districts of Odisha are affected by Soil solinity problem extending about 1.31 lakh hect. During 2018-19, 138 hect. Saline land reclaimed with expenditure of Rs.83.33 lakh.

WASTELAND DEVELOPMENT

EMPLOYMENT GENERATION

In some of the districts of Odisha, there is migration problem. Again, in the rainfed area, there is no sufficient employment possibility, thereby causing hardship in livelihood of the poor. To counter this problem different soil & water conservation measures plantation have been taken up under the scheme MGNREGS. Rs.119 crore spent & 3267 hect. of plantation has been done during 2018-19, generating 43.88 lakh person days.

IMPACT

The programmes have been evaluated by independent agencies and the impact is appreciable. There is increase in Rabi cropping area by 181%, crop yield by 84% , horticulture crop by 46% , ground water level by 0.63m, irrigation potential by 8000 hect.



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY



ACHIEVEMENTS DURING 2018-19

The Odisha University of Agriculture and Technology, Bhubaneswar established in the year 1962 as the second oldest Agricultural University of the Country, has contributed immensely for the cause of agricultural development through triple mandates of teaching, research and extension education. The University imparts education on Agriculture, Horticulture, Forestry, Veterinary

Science & Animal Husbandry, Agricultural Engineering, Community Science, Fishery Science, Basic Science, Bio-informatics, Computer Application and Agri-Business Management through 10 constituent colleges, one Centre for Post Graduate Studies and ten Agro Polytechnic Centres. The University has several achievements to its credit in academics, research and extension activities.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

The students and faculty of the University have made excellent performance in the field of academics encompassing curricular, co-curricular and extra-curricular activities. Some of those are given below:

OUAT ranked 91st among All India Universities and 137th among all educational institutes of India as per National Institutional Ranking Framework (NIRF), Govt. of India-2018.

OUAT emerged as overall CHAMPION in AGRIUNIFEST-2018 held at Tirupati.

Rural Agricultural / Horticultural Work Experience activities have been reoriented,



OUAT ranked 15th position among all Agricultural Universities of the country as per ICAR ranking during 2018.

under which the students have gone to their villages under 'Gaoan Ku Jiba Chasi Bhetiba' programme to get familiar with the socio-economic conditions of the farmers.

In All India JRF examination conducted by ICAR, OUAT secured second position in terms of number of successful students in Agricultural Sciences and Engineering and Technology category.

ACHIEVEMENTS IN RESEARCH FRONT

A student from College of Agricultural Engineering & Technology was the topper in All India GATE-2018 examination.

Odisha University of Agriculture and Technology undertakes fundamental, applied and adaptive research at its headquarters and in all the 10 Agro-climatic zones of the state with an objective of generating location specific technologies for higher production and productivity in agriculture and allied sectors. The research activities are carried out in 8 Regional Research and Technology Transfer Stations (RRTTS), 4 Regional

Three students of OUAT have bagged the "**Best Start Up Idea Award**" at the National Start Up Summit held at CCS Haryana Agricultural University, Hissar during 1-2, June, 2018. They have presented the idea on "**Waste to Wealth**".

Research and Technology Transfer Substations (RRTTSS) and 7 Commodity Research Centers. Besides, 54 All India Coordinated Research Projects are in operation to conduct research on various aspects.

The University has signed MoU with Overseas Institutions like IRRI, the Philippines; CIMMYT, Mexico; ICARDA, Lebanon; ICRAF, Nairobi; University of Minnesota, USA; The Norwegian Institute of Bio-economy Research, Norway; ICRISAT, Hyderabad; etc. and National Institutes/ Organizations viz. ICAR-Indian Institute of Horticultural Research, Bengaluru; National Remote Sensing Centre, Hyderabad; ICAR-Central Island Agricultural Research Institute, Port Blair; ICAR-Indian Institute of Pulses Research, Kanpur; CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow; M. S. Swaminathan Research Foundation; ICAR-Indian Veterinary Research Institute, Izatnagar; National Botanical Research Institute, Lucknow etc. for furthering education and research activities.

SALIENT RESEARCH FINDINGS

Five rice varieties viz. Pradeep, Pratibha, Hasanta, Govinda & Asutosh; one sugarcane variety Charchika; three ginger varieties viz. Suprava, Suruchi&Surabhiand three turmeric varieties viz.Roma, Surama&Rashmi have been notified by Govt. of India for cultivation in different agro-climatic zones of Odisha.

Grain amaranth variety BGA 4-9 elite culture was released in the name of Suvadra by the CVRC. The variety matures in 126 days with average yield of 17.04 q/ha.

Bottle gourd variety BBOG 3-1 has been identified for release by CVRC. The variety is having potential yield of 20-25 t/ha with 120 days duration and average fruit weight of 700-900g.

Three local strains of arharrhizobium (MH636329, MH636773, MH636773) have been isolated for acid and neutral to alkaline soil. Rhizobium (MH661260) has been isolated for nodulation of Acacia mangium.

Dragon fruit is introduced to various places of the state as a strategic step for expanding its cultivation.

A raw stone apple slicer, developed from the University, was patented by Govt. of India till 2028. The slicer, developed under All India Coordinated Research Project on Post Harvest Technology, will be helpful for preparation of different value added products from stone apple.

Ragithresher-cum-peeler with output of 85.7 kg/h, threshing efficiency of 92.1% and cleaning efficiency of 92.4% was developed by the University.

Supplementation of nano-selenium @ 0.30 ppm with vitamin E @ 200mg/kg of the feed to the broiler birds resulted in higher body weight gain and better immunity status during heat stress condition.

Supplementation of mineral mixture along with treatment of anoestrous animal with double sync hormonal protocol improved the conception up to 70% in Kalahandi and Jagatsinghpur districts of Odisha.

Variations in the physiological and biochemical parameters among three



Principal Secretary, DA & FE, Govt. of Odisha addressing the participants at the Consultation Workshop on GIS based Farmer Advisories conducted on 30th May 2018 at the Biju Patnaik Hall, OUAT



indigenous goat breeds were found in Odisha. Polymorphism study in the GNAI3 gene is indicative that the gene is monomorphic and it is a wild type gene, well conserved within their gene pool.

Prevalence of Johne's Disease (that causes Chrone's disease in human) was established for the first time in the state among domestic and wild small ruminants with a prevalence rate of 17-45%.

Poultry chicken breed "Hansli" has been registered with NBAGR, ICAR.

Study on the growth performance of Puntiusgonionotus under mono and polyculture system resulted in 10% higher yield from polyculture (Catla: silver barb: Common carp in the ratio of 40:30:30) than monoculture system.

Combined use of probiotic Lactobacillus sporogenes and Saccharomyces cerevisiae @2% each in an interval of 15 days enhanced growth of Rohu(Labeorohita) by 28%.

Effect of stocking density on seed stunting @30 /m² resulted in 15.94% increase in biomass over control and 14.35% over the stocking density of 40/m².

Biological efficiency of the mushroom Pleurotuspulmonarius was the highest (102%) with paddy straw substrate. Wheat bran supplementation was superior among the nine additives tested (96.33%).

The AICRP on Palms in the University was adjudged as the best center in the country during 2017-18 for outstanding contribution to location specific coconut research.

Best presentation award was bagged by AICRP on MAP &Betelvine during annual group meeting held at Jorhat, Assam from 28-30 September 2018.

ACHIEVEMENTS IN EXTENSION FRONT

The Directorate of Extension Education is transferring technologies to the farmers' field through functioning of 31 Krishi Vigyan Kendras, Information and Communication section, University Extension Block Programme, Distance Education programme, Video Project, Agriculture Technology Information Centre and Odisha Gender Resource Centre.

KVK ACTIVITIES

There are 31 Krishi Vigyan Kendras under the University, operating in 28 districts. Some of the achievements are as follows:

During the year 2017-18; 20881 farmers & 11678 farm women, totalling to 32,559 farmers/farm women were trained by the KVKs through 1265 trainings on agriculture and allied subjects. The beneficiaries include 4137 SC and 8551 ST participants. The KVKs have also imparted training to 4147 nos. of rural youths consisting of 467 SC and 1188 ST participants through 254 trainings. Similarly, 2803 no. of grass root level extension functionaries of agriculture, horticulture, fishery, animal husbandry & allied departments, NGOs, SHGs, Farmers Club members were trained through 174 no. of in-service training of KVKs. During the year, 107



no. of sponsored training programmes have been conducted by different KVks with sponsorship from ATMA of various districts, Soil conservation & Watershed Development department, Odisha; ASCI, New Delhi; ICAR Seed project, OUAT; Institute of Jute and Allied Fibre, Kolkata and other organizations with involvement of 3967 participants.

During 2017-18; 235 on-farm testing on different technologies on agriculture and allied subjects have been conducted by KVks in 162.72 ha area with involvement of 2106 participating farmers. Similarly, 426 no. of frontline demonstrations in different disciplines have been conducted in an area of 388.6 ha with involvement of 4399 farmers. Besides, 8145 nos. of soil samples have been analyzed by different KVks and 19,933 nos. of soil health cards have been distributed to farmers of various districts of the state. Under Kissan Mobile Advisory (KMA), 1672 messages have been sent to farmers and extension functionaries.

Publication of different farm literatures, bi-monthly Odia magazine, KVK newsletter and popular articles are regular activities of the Directorate of Extension Education. Single window delivery system for supply of agricultural inputs, technology and information to farmers was made through Agricultural Technology Information Centre (ATIC). A total of 1530 farmers have been enrolled under Distance Education programme to learn about various courses.

SPECIAL PROGRAMMES

An area of 1580 ha and 1659 ha have been covered under cluster demonstration programmes on pulses and oilseeds,

respectively by the KVKS during 2017-18. Under ARYA project in Nayagarh, skill training programmes on mushroom production, backyard poultry and stunted fingerlings production were conducted with involvement of 30, 30 and 20 rural youths, respectively. During kharif season, a total of 861 no. of Head to Head trials of stress tolerant IRRI rice varieties viz. Swarna sub-1, Sahabhidhan, Bina-11, CR-1009 sub-1, DRR-42, DRR-44 and DRR-46 were undertaken in 20 districts by the KVKS covering an area of 688.6 ha.

NICRA activities have been taken up in five KVKS viz. Kendrapara, Kalahandi, Jharsuguda, Ganjam-I and Sonepur to enhance the resilience of agricultural production system to climate variability. The activities of the project are focused on six modules like natural resource management, crop production, livestock and fisheries production, institutional interventions, capacity building and extension activities.

One-day awareness programme on Pradhanmantri Phasal Bima Yojana was organized in each district by the KVKS of OUAT. Soil day celebration was organized on 5th December, 2018 by all the KVKS in which Soil Health cards were distributed to the farmers. Technological week was celebrated by each KVK, where 71 activities were organised with involvement of 2420 farmers.

Two FPOs have been formed and are being operationalized in Ganjam district to help farmers. Pulses and oilseed hubs are established for production of quality seeds of pulses and oilseed through farmers' participatory approach. Farmers' FIRST project is operating in Khordha district to strengthen farmer participated research. Monthly meetings are organised at KVK level

for strengthening Research-Extension linkage by involving scientists and extension personnel.

A pilot program on Doubling Farmer's Income has been taken up by all the KVKS in the adopted villages (5 each) on pilot basis. KVKS have taken initiatives for promoting Agri-entrepreneurs and linking them with credit institutions. During 2017-18, 93 Agri-entrepreneurs have been generated in different districts through technology support by KVKS of OUAT. During last year, severe BPH infestation occurred in various districts of the state. The scientists of respective KVKS have taken proactive role for rendering advice to the farmers on pest management.

A new project on "Building Climate Resilience of Indian small holders through sustainable intensification and agro-ecological farming systems to strengthen food and nutrition security" with funding from Norway Govt. is being implemented in Ganjam district.

ACTION PLAN FOR 2019-20

OUAT is envisioned to be a globally recognized Farm University in India providing leading-edge education, research, extension and outreach in agriculture and allied sciences, which are economically beneficial, environmentally responsible and socially sensitive in the emerging scenario of socio-economic-climatic-technological changes. It will serve the state for sustainable agricultural development that would provide livelihood security for farming community. The following action plans are proposed for

2019-20 to strengthen the functioning of the academic, research and extension activities of the University:

- Implementation of e-governance programs during the coming years.
- Establishment of Agri-business Incubation (ABTI) Centre for entrepreneurship development
- Development of facilities for pulses breeder seed processing and storage
- Collection, screening, purification and improvement of greengram and blackgram land races of Odisha.
- State of Art Referral Lab. at College of Veterinary Science and AH
- Establishment of bio-fertilizer and bio-control agent production units
- Development of sports complex
- Construction of new hostels and modernization of existing hostels at Bhubaneswar and outlying campuses
- Establishment of Model Teaching Complex at College of Agriculture, Bhubaneswar
- Wi-Fi Connectivity at OUAT headquarters
- Establishment of Digital OUAT
- University Convention Centre with Placement cell, Alumni House, Canteen and Faculty Club



- Strengthening of collaboration and linkage with national and international organisations

BRIEF NOTE ON BUDGET ESTIMATES, 2019-20

Department of Agriculture and Farmers Empowerment, Govt. of Odisha has provided Rs 14040.00 lakh for payment of Salary, Rs 196.80 for payment of Stipend to P.G. Veterinary Students @ Rs 10,000/- for 1st year and Rs 10,500/- for 2nd year and Rs 80.00 lakh towards Research contingency under Administrative and EOM Expenditure for the year 2019-20.

Department of Agriculture and Farmers Empowerment, Govt. of Odisha has provided Rs 1900.00 lakh towards Infrastructure Development and Repair and Renovation work at OUAT for the year 2019-20 and Rs 1100.00 lakh for payment of Salary under State Sector Scheme (Programme Expenditure).



IMAGE

INSTITUTE ON MANAGEMENT
OF AGRICULTURAL EXTENSION

“

IMAGE was declared as an Autonomous Society registered under the Societies Act with effect from 1.3.1999.

”

EXTENSION REFORMS

The Centrally Sponsored Scheme “Support to State Extension Programme for Extension Reforms” has now been implemented in all the 30 districts of the State. IMAGE is the nodal Agency for funding and monitoring the ATMA programmes at the State level under the guidance of the State Nodal Officer.

The Scheme ‘Support to State Extension Programmes for Extension Reforms’ aims at making extension system farmer driven and farmer accountable by disseminating technology to farmers through new

institutional arrangements viz. Agricultural Technology Management Agency (ATMA) at district level to operationalize the extension reforms on a participatory mode. The schemes focus on - Encouraging multi agency extension strategies involving public Private Extension Service Provider, Farming System Approach (FSA), Group Approach in the form of CIG, FIG & FPO, Convergence & addressing gender concerned.

STATE EXTENSION WORK PLAN (SEWP) FOR EXTENSION REFORMS SCHEME FOR 2019-20.

The SEWP for 2019-20 was approved by the SLSC of RKVY, Odisha which include the GOI Share and State Share. The Actual release of funds by GOI against the sanction, proportionate State share released by State Government during 2018-19 is given below:

Rs. in Lakhs

SHARING	Sanction as per SEWP 2018-19	Unspent balance on 2017-18	Release during 2018-19	TOTAL
GOI Share	7162.675	884.994	3555.770	4440.764
STATE Share	4775.116	589.996	2370.510	2960.506
TOTAL	11937.791	1474.99	5926.280	7401.270

SEWP 2019-20

SHARING	Provision as per SEWP 2019-20	Unspent balance on 2018-19	Release during 2019-20	TOTAL
GOI Share	9036.961	1355.220	1666.05	1666.05
State Share	6024.641	903.480	0.00	0.00
TOTAL	15061.602	2258.700	1666.05	1666.05





*Organization Of
"Krushak Sachetanata
Karyakram" at IMAGE,
Bhubaneswar*

TRAINING PROGRAMMES CONDUCTED BY IMAGE

Over the years IMAGE has developed a core competency for organizing various on-campus and off-campus trainings on subjects relating to Agriculture and allied sectors, besides Agricultural Extension Management for the senior, middle level and grass-root level functionaries including farmers, SHG members and NGOs.

PROGRESSIVE FARMERS TRAINING (**Krushak Sachetanata Program**)

Training has become an important vehicle in the fast changing society. It also inculcate positive attitude in the minds of farmer. In view of the above IMAGE has organized one day "Krushak Sachetanata programme" focusing mostly on non-paddy crops and market linkage in general and Organic farming, Farm mechanization & Marketing of agricultural

produce in particular. The main objectives of the programme was, by the end of the programme all farmers are able to enhance their knowledge on- Organic farming, Farm mechanization, Value addition & Marketing of agricultural produces and build up confidence to be agri-entrepreneur, Focusing on non-paddy crops.

From 20th June, 2018 to 29th December, 2018 - 11812no. of farmers from 248 blocks covering 5129 Gram Panchayats have been trained under the programme incurring an expenditure of Rs.1,24,00,000/-

Training of Input dealers through 7 training institutes on different provisions of Act & Dealers Role in upholding the provision of the Act. Out of 150 trainings 115 nos. has already been completed & Rs.103.50 lakhs has been incurred. The rest trainings are under progress.

Training of VAWs on "Effective pest management of different crops" has been



conducted through 3 RITEs & MI&WU. Funds for 100 nos. of VAWs training have been placed with the RITEs & MI&WU. RITE, Mahisapat has completed 23 trainings & RITE, Rangeilunda has completed 12 nos. of trainings. The rest trainings are under progress.

Department of Agriculture & Farmers' Empowerment, Government of Odisha has signed an MoU with the Foundation for Ecological Security (FES) on 29th June, 2018 to impart training to the field functionaries and farmers for application of composite assessment and restoration tool for crop water budgeting. As per the MoU, FES has agreed to provide the followings;

1. Provide the tools (software and applications) for crop water budgeting at free of cost. FES will also provide training for the field functionaries of Department of Agriculture and Farmers' Empowerment such as Village Agriculture Workers (VAW) and farmers for using the tool. FES will

prepare a training manual in local language. FES will also provide resource persons for imparting training.

2. Provide the Composite Landscape Assessment and Restoration Tool (CLART) free of cost and thereafter, provide resource persons for training to the field functionaries (such as VAWs) and farmers. The 1st Trainers Training at State level has been completed.

DIPLOMA IN AGRICULTURE EXTENSION SERVICES FOR INPUT DEALERS (DAESI)- TRAINING OF AGRI INPUT DEALERS (2018-19)

The first contact point for majority of farmers is the agri input dealer. Naturally the farmers use to ask a number of questions to the input dealers related to crop production & productivity. Keeping in mind the above points Govt. decided to provide requisite basic knowledge to those input dealer having minimum 10th pass qualification through DAESI (Diploma in Agricultural Extension Services for Input Dealers) training so that the trained input dealers will be act as a para extension worker for the Govt.

In this context, the National Institute of Agriculture Extension Management (MANAGE) had designed a one year Diploma course titled DAESI.

The DAESI Programme run by MANAGE is also conducted by IMAGE for creating an effecting alternate extension model in the state. From 2011-12 to 2017-18 we have trained 1206 Input Dealers and they have been issued DAESI

accreditation Certificates by MANAGE. During 2018-19 – 882 nos of input dealers will be awarded with the certificate after completion of the programme.

As per MANAGE for the year 2019-20 IMAGE has been allotted with 400 nos of input dealers to be covered under DAESI in ten groups.

PGDAEM

The Post Graduate Diploma in Agricultural Extension Management (PGDAEM) offered by MANAGE Hyderabad is organized by IMAGE as the State Resources Centre and Examination centre. Till date 1785 candidates have passed during 2007-08 to 2018-19.

Provision for 100 candidates from Agriculture & Allied Sector has been made to undergo PGDAEM course for the year 2019-20.

IMPLEMENTATION OF ICT ENABLED COMMUNITY FOCUSED VIDEO APPROACH THROUGH PPP

With the technical support of Digital Green Trust, New Delhi ICT Enabled Community Focused Video Approach is under implementation in 4 districts in order to develop low cost short video films on different technologies through involvement of farmers and dissemination of same to groups through Pico projectors. Already 59 nos. of short video films on different technologies have been developed and disseminated to farmer groups with the help of Pico Projectors.

Proposal to scale up this ICT based extension approach to rest 26 district has been made.

INNOVATIVE ACTIVITIES TAKEN UP UNDER EXTENSION REFORMS

SKILL DEVELOPMENT TRAINING UNDER CHIEF MINISTER'S EMPLOYMENT

Generation Programme

IMAGE, was created with effect from on 01.03.1999 under NATP, Registered under societies Act 1860 and recognized as SAMETI by Govt. of India. Since then IMAGE is conducting training catering to the need of departmental officers as well as officer departmental.

Based on the application and subsequent evaluation by Agriculture Skill Council of India (ASCI), IMAGE is authorized for conducting skill based training on paddy farmers, pulses cultivator, Harvesting Machine operator, Micro Irrigation Technician and quality seed grower.

Steps are being taken to bring the training institutes of Agriculture, Horticulture and Soil Conservation Directorate in alignment with NSQF.

During 2017-18 the following ToT programmes on domain skill have been conducted at IMAGE from 19.01.17 to 21.01.17.

1. Harvesting machine Operator
2. Quality Seed Grower
3. Small Poultry Farmer
4. Dairy Farmer
5. Boiler Poultry Worker

ASCI has assessed the performance of the trainers by third party and 50 trainers have

been certified. Again ASCI conducted TOT on platform skill during July 2017 and 30 officers have been certified by ASCI as Trainers for 2 years.

In addition 1006 no of youths have completed skill training out of which 468 are self employed in the field of Agriculture. Besides 13 nos of skill training for rural youth (STRY) sponsored by GoI has been conducted by KVKS & NGOs sponsored by IMAGE.

15 Nos of trainings under STRY has been programmed for the year 2019-20.

COMMUNITY RADIO STATIONS

Fourteen Community Radio Stations at different locations (Puri, Bargarh, Bhadrak, Keonjhar, Kandhamal, Kalahandi, Khurda, Gajapati, Nayagarh, Nuapara, Jagatsinghpur, Jajpur, Sambalpur, Balasore) have been funded from the Extension Reforms Scheme till 2018-19 & provision for one CRS has been made for the year 2019-20.



Dr. Saurabh Garg, IAS, Principal Secretary to Govt., DA & FE at the National Community Radio Conclave -2019

STATUS OF FARMERS' PORTAL

31170 nos. of progressive farmers have been selected from 6234 GPs @ 5 nos./GP. Profile data related to these progressive farmers have been uploaded in the Farmers' Portal. In addition the following data have also been uploaded in the Farmers' Portal for benefit of the farmers.

SL. NO.	MODULE	STATUS (AS ON 31.03.2019)
1	Package of Practices for different crops	Uploaded (123 numbers)
2	Farmers Friendly Handbook	Uploaded
3	Leaflets & Journals (including videos)	Uploaded
4	Livestock	Uploaded
5	Soil Testing Laboratory details	Uploaded STL wise (Govt./Pvt./Mob)
6	Extension Reforms (Demos/Farmer Friend/Field School)	Farmer Friend, Demonstration and Field School information uploaded.

NFSM National Food Security Mission

RKVV Rastriya Krishi Vikas Yojana

IMAGE has been declared as the **Nodal Agency** for implementation of the National Food Security Mission (NFSM) activities on Rice and Pulses in selected 15 districts of Rice and 30 districts for Pulses. The funds under the NFSM are routed through IMAGE as per physical and financial allocations approved by the Mission Director, NFSM & Director of Agriculture & Food Production, Orissa.

IMAGE has also been declared as the **Implementing Agency** for RKVV in the State. These funds are released to the different implementing agencies as per sanction by SLSC and release orders issued by the Government in Agriculture Department.



ODISHA STATE SEED &
ORGANIC PRODUCTS
CERTIFICATION AGENCY

As per the Govt. of India guidelines and recommendations of the Seed Review Team, a separate Seed Certification Wing started functioning in the State in the year 1974. Orissa State Seed Certification Agency (OSSCA) started working as an autonomous body with effect from 01.09.1978. Later OSSCA was renamed as Orissa State Seed & Organic Products Certification Agency (OSSOPCA) from 30.05.2008. Within OSSOPCA, a separate Agency named Orissa State Organic Certification Agency (OSOCA) has been carved out to perform the Organic Certification activities. OSOCA has been accredited as 5th Public Sector Organic Certification Body from the APEDA, Ministry of Commerce, GOI On 01.06.2012 vide APEDA's letter no.ODAK-2012-13-01718 dated 26.06.2012 and allotted with the accreditation no. NPOP/NAB/0025.

As per the Seeds Act, 1996 and Seeds Rule, 1968 OSSOPCA performs its defined activities within six broad phases of certification. It verifies the Genetical Identity of different Crop Varieties, high degree of Physical Purity & Germinability, free from Other Crop Seeds, Weed Seeds and all designated Seed Borne Diseases, thereby qualifying the minimum prescribed standards both under laboratory & field conditions. From Kharif-2014, the entire process of Seed Certification has been made Online & implemented throughout the state of Odisha. Besides bringing more transparency in Seed Certification activities, it has benefited all stake holders and farmers, because of time saving, risk free and benevolent nature. To make this Online System in Seed Certification

fully & effectively functional in the country, the Joint Secretary (Seeds), Asst. Commissioner (QC), Ministry of Agril. & F.W., DAC & FW, GOI & NIC Official have visited OSSOPCA, Bhubaneswar on 28th& 29th April, 2019.

OSOCA provides an institutional mechanism for Organic Inspection and Certification in the State of Odisha in particular and outside areas in general to ensure better quality organic products to the consumers. At present, there is an area of 4307 ha under Organic Certification. The Crops registered are mostly Orchard Crops like-Mango, Cashew, Banana, Litchi, Pineapple & other crops-Paddy, Aromatic Rice, Ginger, Turmeric, Red chilly and Vegetables covering the Districts-Mayurbhanj, Balasore, Sambalpur, Deogarh, Jajpur, Keonjhar, Sundargarh, Dhenkanal, Gajapati&Rayagada. OSOCA has been identified as a Regional Council for Participatory Guarantee System (PGS) Certification.

During the year 2018-19, the total area under Registration of OSSOPCA as on 31.03.2019 is 32,231.58 ha, out of which 24,382.61 ha has been registered during Kharif-2018 and 7,848.97 ha during Rabi 2018-19, which is under progress. Similarly, the area certified so far during Kharif-18 is 22,498.92 ha, out of which quantity certified is 80,329.94 qtls and it is under progress. In the broader perspective, OSSOPCA is committed towards Quality Seed Certification & Production as well as to make available desired quality seeds of different Crop Varieties to the farmers of Odisha during 2019-20 & coming years.





OSCDC

ODISHA STATE
CASHEW DEVELOPMENT
CORPORATION

The OSCDC Ltd. was established in the year 1979 with main objectives to develop land, raise cashew plantation and other suitable species, render technical guidance and assistance to cashew growers and make available good planting materials. In 1993, the OSCDC Ltd was declared as "Nodal Agency" for development of cashew in the State. Now the OSCDC Ltd. has 562 numbers of cashew plantations over an area of 28,218 ha. spread over 20 districts of which 284 number of plantations over an area of 19,655.10 ha. are old and senile. OSCDC dispose all the plantations through auction on annual as well as 3 years on leasing basis. The OSCDC is now taking up replanting work in existing plantations by removing old and senile cashew trees with high yielding varieties of cashew grafts. Since, the year 1999-2000 till 2018-19 nearly 8,562.90 ha.of replantation has been undertaken with part assistance from Directorate to Cashew and Cocoa Development and RKVV Scheme.

The annual turnover of OSCDC was Rs.1,781.87 lakh for the FY 2016-17 and Rs.3,153.41 lakh for the FY 2017-18. The projected turn over for 2018-19 is Rs.2,500 lakh. The OSCDC Ltd. has been running in profit for quite some time and became a debt free organization since 1995-96 and has an accumulated profit of Rs.39.11 crore at the end of 2017-18. The Odisha State Cashew Development Corporation Ltd. has paid dividend to the Government amounting to Rs.4,41,84,400/- (Rupees four core fortyone lakh eightyfour thousand four hundred) only up to 2016-17 out of its net profits for the said years against paid up equity share capital of Rs.1,55,04,000.00.

The OSCDC Ltd. has established 21 numbers of cashew clonal nurseries. The details of graft production year wise since 2014-15 are given below.

2014-15	2015-16	2016-17	2017-18
21.40 lakh	20.71 lakh	29.22 lakh	30.57 lakh

The OSCDC Ltd. has programmed to produce 37.00 lakh of cashew grafts during 2018-2019.



APICOL

AGRICULTURAL PROMOTION AND
INVESTMENT CORPORATION OF
ODISHA LIMITED

PROMOTION OF AGRO ENTREPRENEURSHIP AND APICOL

The Agricultural Promotion and Investment Corporation of Odisha Limited (APICOL), established during the year 1996 as a promotional organization is engaged in promotion of Commercial Agri-Enterprises (CAE) including agro based and food processing industries in the State. The Corporation has been implementing various

programmes through the agricultural extension network of the Department to encourage mechanization, investment in the field of agriculture and other allied activities including investment in creation of captive irrigation sources in farmers' fields through establishing Shallow Tube Wells (STWs), Bore Well (BWs), Dug Wells (DW) and River Lift

Irrigation Projects (RLIP). The corporation acts as the channelizing agency for release of subsidy under various schemes of State Agriculture Policy' 2013 including farm mechanization under various Central schemes including RKVY & State Plan schemes. It also provides escort services to organizations engaged in Agri-business.



In the year 2018-19, activities were intensified for setting up of Commercial Agri-Enterprises and Agro Service Centers with a subsidy provision of Rs.9622.16 lakh under State Agriculture Policy. During 2018-19, 123 nos. of Commercial Agri-Enterprises and 39 nos. of Agro Service Centers have been established and Capital Investment Subsidy amounting to Rs.2616.75 lakh has been released for these projects.



COMMERCIAL AGRI-ENTERPRISES(CAE) /AGRO-SERVICE CENTRES (ASC)

Establishment of Commercial Agri-Enterprises has been considered as one of the prime movers not only for self-employment but also for creation of indirect employment opportunities. Capital Investment Subsidy @ 40% subject to a maximum limit of Rs.50.00 lakh (50% limited to Rs.50.00 lakhs for SC/ST/Women/graduates of agriculture and allied sciences) is provided on a back-ended basis for such ventures. 162 Commercial Agri-Enterprises along with 159 nos. of Agro Service Centers have been established during 2017-18 against which Capital Investment Subsidy amounting to Rs.2998.95 lakh has been released to the entrepreneurs.



Mukhyamantri Krushi Udyog Yojana (MKUY), a modified CAE implementation process was launched on 1st June, 2018. It is a simple, completely online, transparent process with provision for time bound approval of CAE proposals. For popularization of the scheme and to create massive awareness among the farmers initiative has been taken by APICOL to engage 25 Nodal officers in various districts with financial assistance from Public Enterprises Department to provide support to all stakeholders for successful implementation of MKUY throughout the state. Online registration of 769 CAE proposals have been done by the entrepreneurs from various agriculture and allied sectors of the State, out of which 277 Go-ahead letters have been issued till 31st March, 2019.

CREATION OF COMMON INFRASTRUCTURE FOR DEVELOPMENT OF POST HARVEST MANAGEMENT (PHM) FACILITIES FOR EXPORT PROMOTION

APICOL is acting as the Virtual Office of Agricultural and Processed Food products Export Development Authority (APEDA), under the Ministry of Commerce and Industry, Government of India. The goal of APEDA is to maximize foreign exchange earnings through increased agro exports, to provide better income to the farm-entrepreneurs through higher unit value realization and to create employment opportunities in rural areas by encouraging value added exports of farm produce.

Under the scheme of Infrastructure Development, APEDA has sanctioned financial assistance to a tune of Rs.528.3549 lakh for setting up of an Integrated Post Harvest pack house as common facility for preservation of fresh fruits and vegetables at Titilagarh in Bolangir District of Odisha. The farmers/ FPOs/ Traders of Bolangir and adjacent areas may utilize the facility available.

PRIVATE LIFT IRRIGATION PROJECTS (PLIPS) AND PUMP SETS

Subsidy amounting to Rs.7975.10 lakh has been disbursed during 2017-18 against establishment of 15795 numbers PLIPs in the State.

During the year 2018-19, subsidy amounting to Rs.1047.32 lakh has been disbursed against establishment of 2779 numbers PLIPs in the State.

A Walk-in-type cold room of size 10'x10'x10' was also set up at BijuPattnaik International Airport, Bhubaneswar under the financial assistance of APEDA, Government of India to facilitate export of agri-horti products from the State. Now as international flights are coming to BijuPattnaik International Airport and with development of cargo chain facilities, the exporters of agricultural and horticultural products may start exporting spices, flowers, fruits and vegetables to Singapore, Malaysia and other Mid-East Countries.

ASSISTANCE FROM SMALL FARMERS' AGRI BUSINESS CONSORTIUM (SFAC)

APICOL is also acting as the State Agency for Small Farmers' Agri-Business Consortium (SFAC) under Ministry of Agriculture, Government of India. SFAC provides Venture Capital Assistance (VCA) to promote investment in agri-business projects by way of Soft Loan to supplement the financial gap worked out by the sanctioning authority of Term Loan under means of finance with respect to cost of the project. Venture Capital for Agri-projects is being provided either @ 26% of the promoter's equity or Rs.50.00 lakh whichever is lower. For projects located in North Eastern Region, Hilly States and in all cases in any part of the country where the project is promoted by a registered Farmer Producer Organization (FPO), the quantum of Venture Capital Assistance will be the lowest of either (i) 40% of the promoter's equity or (ii) Rs.50.00 lakh. Qualifying projects under venture capital are of agriculture and allied sector such as horticulture, floriculture, medicinal and aromatic plants, minor forest produce, apiculture, fisheries, dairy and poultry etc. The cost of proposed agribusiness project would have to be Rs.15.00 lakh and above subject to a maximum of Rs.500.00 lakh.

The beneficiary will repay the Venture Capital in lump sum to SFAC after full repayment of the bank's term loan as per the original schedule, or earlier.

ENTREPRENEURSHIP DEVELOPMENT PROGRAMME (EDP)

APICOL is conducting training on Entrepreneurship Development Programme of 3-days duration with a focus on promotion of enterprises in agriculture and allied sectors. So

far during the year 2018-19, 200 numbers of prospective entrepreneurs have been trained on ARD & Horticulture sector with special thrust on Food Processing.

EASE OF DOING BUSINESS

For ease of doing business under State Agriculture Policy' 2013 and to attract more number of entrepreneurs to take up commercially viable Agri-enterprises in the state by making the execution process simple, online, transparent and time bound, User friendly new web portal apicol.nic.in and mobile app (MKUY) has been developed by NIC for efficient service delivery through online application by promoters and facilitate online submission of application form along with supporting documents. After completion of the project the promoter can submit the subsidy application form and upload all relevant documents to District Nodal Officers' site for due verification. The DNOs will verify and submit all relevant documents online along with Subsidy Release Certificate (SRC) to APICOL to make the subsidy release process faster. Further, a special Single Window Clearance Committee will be formed under the Chairmanship of Secretary, Agriculture and FE department to accord approval for Agro and Food Processing industries with support from IPICOL. Besides, an Agri-Business Facilitation Cell will be established by APICOL with dedicated manpower to facilitate Agri-entrepreneurship, handholding and aftercare support.

AGRIBUSINESS SESSION IN MAKE IN ODISHA CONCLAVE (MIOC) 2018

Make in Odisha Conclave2018- the flagship biennial business event of Govt. of Odisha was an international level conference held during



MoU signed between Department of Agriculture and Farmers' Empowerment and NABARD at Make in Odisha Conclave - 2018

AGRICULTURE ENTREPRENEURSHIP PROMOTION SCHEME (AEPS)

11th to 15th November, 2018 welcoming investors and entrepreneurs from across the



ODISHA STATE SEEDS CORPORATION (OSSC)

1. The Odisha State Seeds Corporation Ltd. (OSSC) has been designated as the Nodal Agency for production, procurement, processing and supply of quality seeds to the farmers of the State. The Odisha State Seed and Organic Products Certification Agency (OSSOPCA) is responsible for certification of the seeds produced in the State under the Seeds Act.

2. The OSSC has been implementing the "Seed Village Programme" as "Mo Bihana Yojana" for production of certified paddy and non-paddy seeds through seed growers. Incentives at various rates are given to the seed growers under various schemes for taking up production of certified seeds. The seed produced in farmers fields are processed by the OSSC/Government Processing Plants and through designated private processors and are procured by the OSSC Ltd after certification by the OSSOPCA. During 2018 Kharif 11,899 hectares of paddy area was

certified and the expected certified seed production would be around 4.25 lakh quintals and the procurement is in progress. Out of 1500 hectares registered during Kharif-2018 , OSSC procured 5,642.30 qtls of various categories of certified Groundnut seeds. During Rabi-18-19 production season 2160 hectares of paddy coverage has been achieved against the target of 2200 hectares. The targeted area under Mustard (100) and Groundnut (328.53) hectares has been achieved. Coverage under Moong and Biri seed is 2217.60 and 634.80 hectares respectively.

3. Besides procuring seeds from the farmers under the Seed Village Programme, the OSSC procures certified seeds from OUAT, MOU farms, National Seeds Corporation and other National/State level Seeds Corporations for meeting farmers need for quality seeds. During 2018-19, 3,87,465.19 quintals of seeds of different crops as detailed below were made available by OSSC.

QUANTITY OF SEED SUPPLIED DURING 2018-19

NAME OF SEEDS	TOTAL QUANTITY SUPPLIED (in quintals)
----------------------	--

Paddy(Early)	15,898.95
Paddy(Medium)	1,01,673.40
Paddy(Long)	2,04,639.05
TOTAL (PADDY)	3,22,211.40
Maize	471.65
Ragi	199.80
Moong	20,549.40
Arhar	754.34
Field Pea	487.20
Blackgram	5,243.28
Bengalgram	2,342.02
Groundnut	24,351.40
Mustard	661.94
Sunflower	471.42
Niger	16.22
Til	118.09
Jute	85.84
Dhanicha	9,501.19
TOTAL(NON-PADDY)	65,253.79
GRAND TOTAL	3,87,465.19

4. The OSSC achieved a turnover of Rs.140.00 core and profit of Rs. 1.42 Crore (provisional) during 2018-19.

5. During 2019-20, there is a target to supply 7,03,524.00 quintals of different kinds of quality seeds as detailed below:

PROGRAMME FOR SUPPLY OF SEEDS FOR 2019-20

SL NO	NAME OF THE SEED	TOTAL QTY TO BE SUPPLIED (in Qtls)
1	Paddy & Cereals (Maize, Ragi)	6,60,839.00
2	Pulses(Moong, Biri, Arhar, Gram, Field Pea etc)	24,475.00
3	Oil seeds(Groundnut, Mustard, Niger, Til)	18,210.00
TOTAL		7,03,524.00





OAIIC

Odisha Agro Industries
Corporation Ltd

The Odisha Agro Industries Corporation Ltd was incorporated on 17.12.1968 as a Government Company with equity participation from the Central Government and Government of Odisha. This Corporation is under the administrative control of Agriculture Department in Govt.of Odisha and engaged in executing different schemes/ Programmes of different departments of the state like Agriculture, Water Resources, Forest and Environment, Rural Development, Industries, Scheduled Tribes and Schedules Caste development, Panchayati Raj, Fisheries and Animal Resources Development etc. This Corporation is engaged in carrying out different activities with the following objectives.

Distribution of Agricultural Machineries, Improved Implements and tools.

Enabling persons engaged in agricultural and allied pursuits to own the means of modernizing their operations of alternatively making available necessary custom services for this purpose and to promote Farm Mechanization in the state of Odisha.

Undertaking and assisting in the efficient distribution of inputs like chemical fertilizer, bio-fertilizer and organic manures etc.

Promotion and execution of industries having a bearing on production, preservation and supply of food.

Providing technical guidance to farmers and persons concerned with Agro Industries with a view to enabling efficient conduct of their enterprises.

Providing irrigation facility to the farmers by exporting ground water and surface water through energisation of shallow tubewell, deep

borewell, dugwell, pumpsets, surface lift project, sprinkler and direct lift projects.

Manufacturing and marketing of bio fertilizer and feed for cattle and poultry etc.



	UNIT	ACHIEVEMENTS (2018-19)	PROSPECTIVE (2019-20)
FINANCIAL PERFORMANCE INDICATORS			
1.	Gross Sales	Rs.in crores	423.69
2.	Gross Margin (PBDIT)	Rs.in crores	29.15
DYNAMIC PARAMETERS (50%)			
1.	Sale of Tractor	Nos.	2052
2.	Sale of Fertilizer	M.T	48077
3.	Additional irrigation potentiality to be created	In hectares	10424



OLIC

ODISHA LIFT
IRRIGATION
CORPORATION

OLIC is a Government owned corporation, now functioning under the administrative control of department of Water Resources, Odisha. The main objective of OLIC is to set up new L.I. projects for creation of irrigation potential in different parts of the state especially in the areas which are devoid of flow irrigation facilities and to develop PaniPanchayat activities in the state for those L.I. projects handed over to PP. At present execution of L.I. projects are also being taken up out of other funding agencies like WODC, BKBK & BKOGY etc. at district scheme.

After completion of L.I. projects , OLIC hands over the same to the PaniPanchayat for O & M which is as per PaniPanchayat act and Rule 2002 and 2003 respectively . OLIC is also providing technical and other developmental guidance as and when required by the PaniPanchayat. The PaniPanchayat election is also being conducted by OLIC to build up effective management system for PaniPanchayat and its better management. After implementation of PaniPanchayat act and Rule, OLIC is no more collecting water rate from the cultivators. Accordingly, OLIC had lost its commercial activities and functioning like Govt. Organization, implementing various irrigation programs for the state Govt.

ACHIEVEMENT MADE DURING THE FINANCIAL YEAR 2018-19 ENDING MARCH' 19

During the financial year 2018-19 ending March'19, OLIC has installed and energized 1101 nos of new community LIPS with creation of irrigation potential of 23558 Ha in Kharif and 14135Ha in Rabi. Apart from that 826 nos(18295 Ha) of defunct LIPs have been revived from Plan fund and 72nos.(1407 Ha) from other agencies funding totaling to 898 nos with ayacut stabilization 19702 Ha.

Similarly during the above period, 5698 nos of bore well have been installed and energized there by creating an additional irrigation potential of 28490 Ha in Kharif and 11396 Ha in Rabi season.

Under Jalanidhi-II, OLIC has installed and energized 414 nos of cluster shallow tube well projects with ayacut area of 4140Ha in Kharif and 2070 Ha in Rabi. Similarly during the above period 26 nos of cluster micro river lift projects have been installed and energized creating an additional irrigation potential of 260Ha in Kharif and 52Ha in Rabi.

PHYSICAL AND FINANCIAL ACHIEVEMENT OF OILIC DURING 2018-19 ENDING MARCH 2019(Rs in Lacs)

SR. NO.	NAME OF THE SCHEME	PHYSICAL				FINANCIAL	
		TARGET	ACHIEVEMENT	BUDGET PROVISION	FUNDS RECEIVED	FUNDS INCURRED	
Nos	Area in Ha	Nos	Area in Ha				
1	2	3	4	5	6	7	8
1	COMMUNITY LIPs						
a	BKVY LIPs(RIDF)	1034	20680	907	19064	29000	18631.37
b	BKVY LIPs(SCA)	0	0	17	371	0	0
c	BKVY LIPs(Biju KBK)	0	0	55	1104	0	0
d	HCAD	28	874	19	590	700	700
e	DMF and Other District Window	138	4064	103	2428	0	3730.469
TOTAL	1200	25618	1101	23557	29700	23061.839	24981.069
f	Revival of Defunct LIPs(Plan)	1391	30149	826	18295	11995	11995
	Revival of Defunct LIPs(Others)	93	1891	72	1407	0	0
TOTAL	1484	32040	898	19702	11995	11995	12803.999
2	BKVY DEEP BORE WELL	20000	100000	5698	28490	54000	54000
3	JALANIDHI-II						
a	Cluster Shallow TW	600	6000	414	4140	2850	2890.975
b	Cluster Micro RL (Out of Spill Over)	0	0	26	260	0	0
TOTAL	20600	106000	6138	32890	56850	56890.975	35899.687

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Dr. Saurabh Garg, IAS, Principal Secretary, Department of Agriculture and Farmers Empowerment, Govt. of Odisha attended the Review and Planning meeting of ongoing projects of [@ICRISAT](#).
[@krushibibhaq](#)



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Krushibibhaga Odisha @krushibibhag · Jan 19
Shri Aditya Prasad Padhi, IAS, Chief Secretary, Govt. of Odisha had his august presence in #KrushiOdisha2019 BBSR. Shri Padhi was accompanied by Principal Secretary, Department of Agriculture & Farmers' Empowerment, Dr Saurabh Garg, IAS. #MultiplyingFarmersIncome
@krushibibhag



CM gives away sops to farmers in Ganjam

KALIA BONANZA

While around 25,000 eligible farmers in the district will get a one-time payment of Rs 25,000 each, the state government has also announced a 10 per cent discount on electricity bills for all farmers in Ganjam.

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POST NEWS NETWORK

Berhampur, Jan 27: Chief Minister Naveen Patnaik Sunday distributed benefits to farmers under the newly launched Krushna Assistance for Livelihood Income Augmentation (KALIA) scheme in his home district Ganjam. Around 25,000 eligible fam-

While around 25,000 farmers in the district will get the first installment of ₹5,000 under the KALIA scheme, around 14,800 of them are the share-croppers, officials said. The cash benefit would be provided to the farmers through the direct transfer of benefit (DTB). The opposition Congress and BJP have raised voice against financial assistance to people ahead of the upcoming elections.



KALIA BONANZA

KALIA BONANZA

While around 25,000 eligible farmers in the district will get the first installment of ₹5,000 under the KALIA scheme, around 14,800 of them are the small-croppers

Krushibhiba Odisha @krushibhbaig · Mar 30
Dr Mathew Morel, Director General, #IRR(International Rice Research Institute) held discussions with Dr Sharabha Garg,IAS, Principal Secretary, Deptt. of Agriculture & FE at #krushibhawanan on the progress of IIRR's programmes in Odisha and the next steps.



‘କାଳିଆ’ ଯୋଜନାରେ ଜିଲ୍ଲା ପ୍ରତିଷ୍ଠାନଙ୍କ ପାଇଁ ପ୍ରତିଷ୍ଠାନ
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CM gives away sops to farmers

POST NEWS NETWORK

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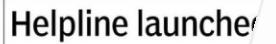


Odisha @krushibhabag · Feb 7
g. IAS, Principal Secretary, Department of Agriculture and
Agriculture, Agriculture & Farmers'
ushibhaban, @krushibhabag


IA Rath flagged off to spread a



otiprakash Das flags off KALIA Ra
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BHUBANESWAR: Farmers can now call a helpline to get more information on the state government's MGNREGA scheme for Livelihood (and Income Augmentation) scheme. They can also register their grievances by calling 1800-572-1199.
Also Apart from



‘କାଳିଆ’ ଦେଶ ପାଇଁ ଆଲୋକ ବର୍ତ୍ତକ



କୁର୍ରିକୁଳିଷ୍ଠ, ଟ୍ରେନିଂସ୍କ୍ରିପ୍ଟ୍ ଏବଂ ପାଇଲିଙ୍ଗ୍ ଏବଂ ପାଇଲିଙ୍ଗ୍ ଏବଂ ପାଇଲିଙ୍ଗ୍

However, the Union Govt has left out the unique in the entire country coverin on-loaned farmers, share croppers an
krushibhag.

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Krushibhibhaga_Odisha @krushibhibhaga Odisha Honble @CMO_Odisha in his launched #KALIA Krushak As' path breaking initiative wid Government adopted the schem krushibhibhag



STATE LEVEL OBSERVATION OF KRUSHAK DIVAS





DEPARTMENT OF AGRICULTURE AND FARMERS' EMPOWERMENT



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