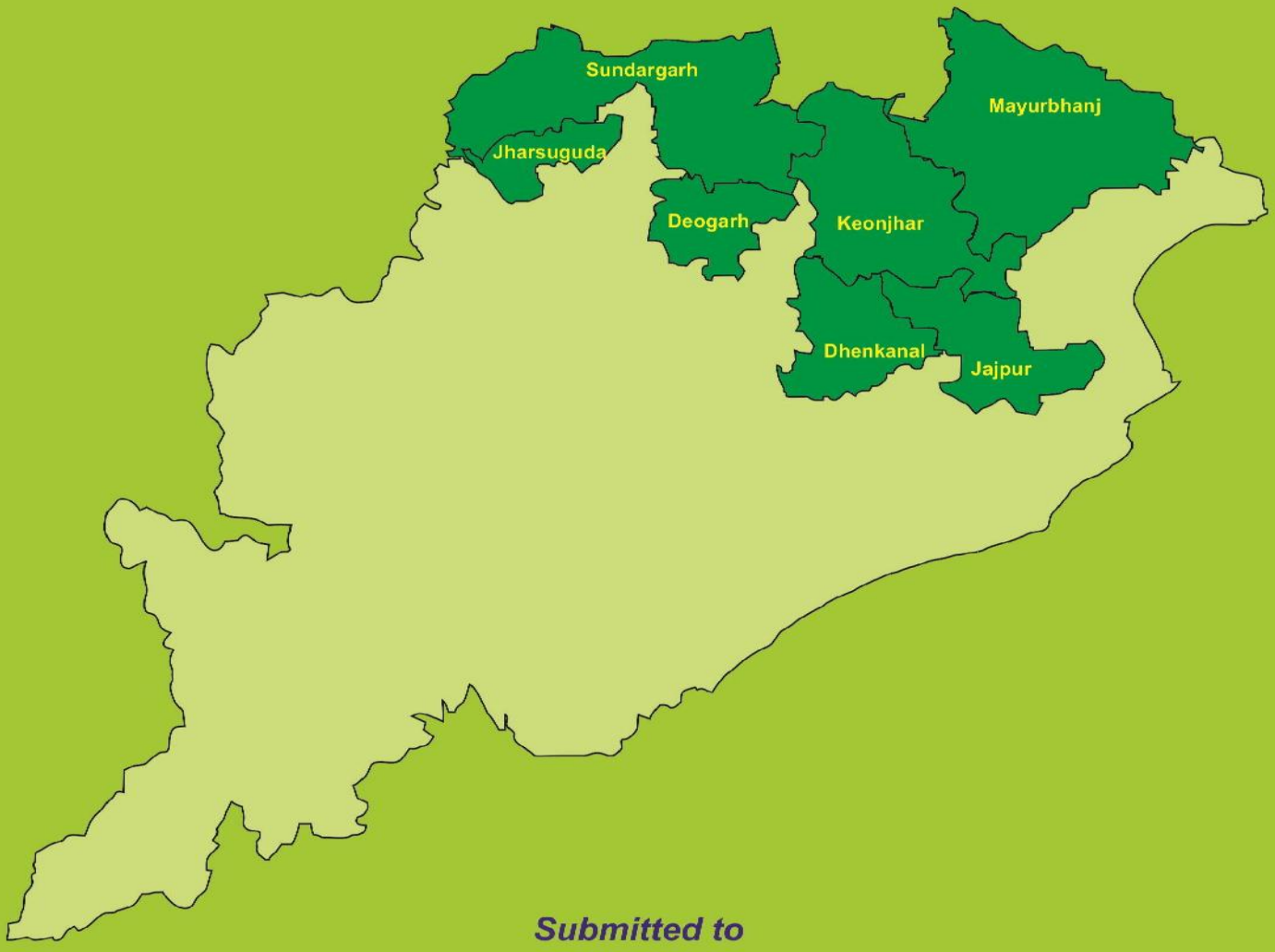
Detailed Project Report

Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing Districts of Odisha



Submitted to

Odisha Mineral Bearing Areas Development Corporation (OMBADC)

Odisha University of Agriculture and Technology
Bhubaneswar - 751 003
www.ouat.nic.in

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Odisha Mineral Bearing Areas Development Corporation (OMBADC)

Odisha University of Agriculture and Technology Bhubaneswar

Odisha University of Agriculture and Technology
Bhubaneswar

CERTIFICATE

1. Certified that the project entitled "**Capacity Building, Skilling, Agro-Enterprise Models and Entrepreneurship Development in the Mineral Bearing Districts of Odisha"** has been prepared by Odisha University of Agriculture and Technology, Bhubaneswar and submitted to Odisha Mineral Bearing Areas Development Corporation (OMBADC) for funding.

2. Certified that the project proposal has not been submitted to any other agency forfunding.

Vice Chancellor
Odisha University of Agriculture and Technology
(Principal Investigator)

Contents

Executive Summary

Sl. No.	Head	Particulars
i.	Title of the Project	**Capacity Building, Skilling, Agro-Enterprise Models and Entrepreneurship Development in the Mineral Bearing Districts of Odisha**
ii.	Project Investigator (PI)	**Dr. Pawan Kumar Agrawal** Vice Chancellor, Odisha University of Agriculture and Technology, Bhubaneswar, Odisha Ph. No.:91-674-2397700 E Mail: vcouat@gmail.com
iii.	Executing Agency	Odisha University of Agriculture and Technology, Bhubaneswar, Odisha, www.ouat.nic.in
iv.	Cooperating Centre Principal Investigators (CCPI)	1. Dean, Extension Education 2. Dean of Research 3. Director, PME 4. Dean, CoA, Chiplima and Dean, CoH,Chiplima 5. ADR, RRTTSs, Keonjhar, Sambalpur, Dhenkanal & RRTTSS, Kirei, Sundargarh 6. Sr. Scientist & Head, KVK, Keonjhar, Jajpur, Sundargarh, Mayurbhanja, Jharsuguda, Deogarh, Dhenkanal 7. Principal, Agro-polytechnics Keonjhar, Chiplima,Deogarh, Dhenkanal, Rangeilunda
v.	Co-PIs	Dr. M. P. Nayak Joint Director Extension (Information) Directorate of Extension Education
		Dr. Sanat Mishra Senior Scientist, Directorate of PME
vi.	Project Period	5 years (2021- 2026)
vii.	Operational Area & Establishments	7 Mineral Bearing Districts i.e. Keonjhar, Jajpur, Sundargarh, Mayurbhanja, Jharsuguda, Deogarh and Dhenkanal 9 KVKs at Keonjhar, Jajpur, Sundargarh,-I, Sundargarh-II, Mayurbhanja-I, Mayurbhanja-II, Jharsuguda, Deogarh and Dhenkanal 3 RRTTSs at Keonjhar, Chiplima, Dhenkanal&1RRTTSS, Kirei, 5 Agro polytechnics at Keonjhar, Deogarh,Dhenkanal, Chiplima, Rangeilunda 2 Colleges at College of Agril., Chiplima and College of Horticulture, Chiplima
viii.	Funding Agency	Odisha Mineral Bearing Areas Development Corporation (OMBADC), Dept. of Rural Development, Govt. of Odisha
ix.	**Budget**	**INR 146.9055 Crore**

Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the mineral bearing districts of Odisha

1.0 Introduction

1.1 Agriculture Sector in Odisha

Odisha covers over 1.56 million hectares of land which is 4.7% of total land mass of India. It is divided into four geographical regions: Northern plateau, Central river basins, Eastern hills and Coastal plains comprising of ten agro-climatic zones. Agriculture is the main source of livelihood in the State. Around 49% of the total workforce is dependent on agriculture (PLFS2017-18) as against 44% at all-India level. However, the gross cropped area declined from 90.10 lakh ha in 2014-15 to 83.38 lakh ha in 2018-19. As a result, there is growing pressure in productivity of land. The agriculture sector in Odisha constituted 19.9% of GSVA in 2019-20 (AE). During 2012-13 to 2019-20, the crop sector growth averaged at 2.5%. The growth of agriculture and allied activities are often adversely affected by various natural phenomena like cyclone, flood, pest attack, drought etc. The share of livestock, forestry and fishery remained at 12.7%.Given the high dependence on agriculture for employment, the sector can play an important role in overall development of the State as it impacts on two critical goals – eliminating poverty and ending hunger under SDG directly and as many as eleven indirectly.

Odisha Economic Survey, 2019-20 indicates a growth of 6.16% in GSDP at constant price and 7.66% at current price for the State compared to 5.0% growth at all India level. Similarly, the State‟s per capita income *i.e.* Rs.1,01,587/- is 6.75 % higher than the previous year.To enhance the farmer‟s income, Government of Odisha have launched a progressive farmers‟ welfare scheme, named KALIA. About 42.65 lakh farm households have been covered under KALIA for livelihood and income augmentation. Besides, the Government has initiated measures like new Agriculture Policy, 2020 and implementation of Agriculture Production Cluster including measures in livestock and fishery sector to boost up growth in agriculture & allied sector.Odisha is also slowly moving towards production of high value crops. The share of cropped area under vegetables, fruits, oil seeds and pulses has increased from 42.37% in 2014-15 to 43.79% in 2018-19. There has been remarkable increase in production of livestock products like milk, egg and meat. The value of output of vegetables, fruits and livestock products also increased from Rs 37,204 crore in 2015-16 to Rs 43,246 crore in 2017-18.

1.2 Rationale of the proposal

In order to achieve the target of production and productivity in the state of Odisha and profitability andincome of farmers Odisha, the land under agriculture needs to be maintainedwell, the capacity of the farmers be improved and the produce of the farmers need to find proper marketing. The available technologies should be transferred to the farmers. In agriculture, it is always seeing is believing for the farmers to adopt the technologies. Development of model farming clusters for agriculture and allied sector will help the farmers and developmental agencies to transfer the location-specific relevant technologies to the farmers.

Considering the importance of enhancing the farmers‟ income the felt need-gap in the infrastructure and farmers‟ enterprising ability, this project has mooted to implementfour-pronged strategies *viz*. capacity building of stakeholders, showcasing agro-enterprises and processing technologies of area-specific commodities, developing agro-enterprise clusters in farmers‟ fields, strengthening need-based infrastructure and ICT support through the existing research, extension and teaching establishments of the University. The project will be implemented exclusively in seven mineral bearing districts of the state.

1.3 Establishments under OUAT

The project entitled “Capacity Building, Skilling, Agro-Enterprise Models and Entrepreneurship Development” is being formulated and submitted by Odisha University of Agriculture and Technology (OUAT) which is envisaged to be implemented in seven districts of the state namely Dhenkanal, Jajpur, Keonjhar, Mayurbhanj, Sundargarh, Deogarh and Jharsuguda through 9 Krishi Vigyan Kendras (KVKs), 3 Regional Research and Technology Transfer Stations, 5 Agro Polytechnics, College of Horticulture, Chiplima, College of Agriculture, Chiplima, Directorate of Research and Directorate of Extension Education.

1.4 Technologies at OUAT

The mandate of Odisha University of Agriculture and Technology is teaching, research and extension education. It serves the state in terms of producing capacity, developing technologies and their strategic extension to the farming community, extension workers and other state holders. Over years, the university has generated many technologies like crop varieties, animal & fish breeds, machines and other related technologies. It has

developed many production, protection, post-production and processing technologies and impart them to the farmers, Government agencies and other stake-holders. It also helps in integrating emerging areas of cutting-edge technology such as space science, computing science, biotechnology, ICT, environment, climate services, IPR and biodiversity. The extension system including Krishi Vigyan Kendras (KVKs) have disseminated relevant knowledge, technologies and practical solutions to the farmers of Odisha.

1.5 Odisha Mineral Bearing Areas Development Corporation (OMBADC)

Government of Odisha has institutionalized Odisha Mineral Bearing Areas Development Corporation (OMBADC) during December 2014 as the connoisseur and flag bearer institution at state level to spearhead socio- economic development in the mineral rich districts of Odisha. In 2015, India‟s Central mining law, the Mines and Minerals (Development and Regulation) Act (MMDR) of 1957 was amended and District Mineral Foundation (DMF) was instituted. With DMF, for the first time, the right of people to benefit from natural resources has been recognized. This was a defining opportunity to rewrite the contract between rich lands and its poor people. The overriding objective of DMFs is to work for the interest and benefit of people and areas affected by mining-related operations. Odisha Mineral Bearing Areas Development Corporation (OMBADC) was formed as a Section 25 company on 2nd December, 2014 as per the directive of Hon‟ble Supreme court of India for undertaking specific tribal welfare and area development works so as to ensure inclusive growth of the mineral bearing areas. As per mandate, OMBADC will finance projects executed by Line Departments relating to livelihood intervention, health, water supply, sanitation, education etc. from the funds maintained in PL Account of OMBADC.

2.0 Project Proposal

A Project entitled "**Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing Districts of Odisha**" has been conceived by Odisha University of Agriculture and Technology (OUAT), the inimitable farm University of the state.

It is envisaged to carry out capacity building ofstakeholders *viz*. farmers, rural youths, SHGs, FPOs, public extension functionaries, agri-entrepreneurs and other stakeholders. These activities will support establishment of agro-enterprise models and agri-processing units in KVKs and commodity specific „centre of excellence" at RRTTS. Further, it is also intended to demonstrate the technologically viable farming models and related agro-enterprises in the farmers" field of selected villages in a cluster approach. In order to support capacity building and popularize replicable models in the mineral bearing districts; the project plans to build institutional infrastructure, for setting up an ecosystem in the 7 mineral rich districts *viz*. Keonjhar, Jajpur, Sundargarh, Mayurbhanj, Jharsuguda, Deogarh and Dhenkanal. The project would be implemented through the College of Agriculture, Bhubaneswar; College of Horticulture, Chiplima; 9 Krishi Vigyan Kendras (KVKs), 3 Regional Research and Transfer of Technology Stations (RRTTSs) and 5 Agro-Polytechnic Centres (APCs) of OUAT.

By strengthening the agri-knowledge ecosystem in the 7 mineral bearing districts through capacity building and replicable agro-enterprise models; the project will act as an "engine of growth" for the agriculture and allied sector in general and socio-economic development of the farmers/ region in particular. The key principles of project interventions will be building the capacity of stakeholders especially farmers, rural youth, SHGs & FPOs to access front-line technologies in pursing agro-enterprises on a commercial scale. A novel approach has been conceived to impart skill to the rural youths and hand-hold them to develop them as entrepreneurs.

Adoption of technologies and their dissemination needs capacity building of the farmers, extension workers and other stakeholders associated with farming. To-days" farming needs to be profitable besides being productive and environmentally sustainable. The farmers should be converted as entrepreneurs, may be through Self-help groups, farmers producers" organizations or any other modes. The youth need to be brought to the main steam farming

activities and entrepreneurship. The present project is proposed with the following objectives to be executed in the mining districts of Odisha.

2.1 Objectives

- Capacity building of farmers, SHGs, FPOs, agri-entrepreneurs, public extension workers and other stakeholders in the mineral bearing districts of Odisha
- Impart skill, capacity building, incubation and entrepreneurship to rural youths through one-year certificate course.
- Creation and strengthening of infrastructure at 9 KVKs, 3 RRTTSs, 5 Agro-polytechnics, 2 Colleges, and University headquarters for training, skilling and entrepreneurial activities.
- Development of "Agro-Enterprise Units" at KVKs and commodity specific "Centre of Excellence" at RRTTS/S

3.0 Project Management

The project is envisaged to be implemented in 7 mineral bearing districts, namely Dhenkanal, Jajpur, Keonjhar, Mayurbhanj, Sundargarh, Deogarh and Jharsuguda of the state, through 19 OUAT establishments *viz*. 9 Krishi Vigyan Kendras (KVKs), 3 Regional Research and Technology Transfer Stations (RRTTS), 5 Agro Polytechnics (APC), College of Horticulture, Chiplima; College of Agriculture, Bhubaneswar.

3.1 Components of the Project

The project will have following four interdependent major components.

1. **Capacity building and skilling:** This will include, an inter alia, strengthening the capacities of the different stakeholders *viz*. farmers, rural youths, SHGs and FPO, field extension functionaries of agriculture and line departments. This project component will ensure sustainability and built an agro-knowledge ecosystem for triggering socio-economic growth.
2. **Technological Demonstration in Cluster Approach:** This component will include demonstrating Agro-Technologies in the adopted villages in a cluster approach. This will work as a model system for the near-by villages and line departments for the dissemination of the technologies. Relevant technologies will also be demonstrated in the Krishi Vigyan Kendras. The project will support development of commodity specific "Centre of excellence" at RRTTS. This will help in identification and availability of technologies in a particular commodity for the region. This will also help in development of value chain and market chain promotion.
3. **Infrastructure Development:** In order to implement the project in the less developed districts, infrastructure like training facility, incubation centers and farmers hostels are required. Some of the KVKs, RRTTS and colleges lack those infrastructure. Need-based infrastructure will be built at 9 KVKs, 3 RRTTSs, 5 APCs, two Colleges and at the University headquarters to deliver the project interventions in an effective manner.
4. **Operationalization:** The project has adopted a broad-based approach to include the operationalization in the project component. This component will be the common denominator to above three project components. This will include engagement of project professionals and operating expenses for the project period. It is also pertinent to mention

that such operationalization component will not only sustain the project interventions but also mainstream the activities into the development ecosystem.

3.2 Institutional Framework

The project will be governed by a State Level Project Apex Committee (SLPAC) under the Chairmanship of Hon'ble Vice Chancellor of OUAT. The SLPAC will be notified by the University. SLPAC will be devising all other modes and ways to implement the project.

The constitution of SLPAC is given hereunder;

Sl. No.	State Level Project Apex Committee (SLPAC)	Position
01	Vice Chancellor, OUAT	Chairman
02	Dean of Research	Member
03	Dean, College of Agriculture, Bhubaneswar	Member
04	Dean, College of Veterinary Science & Animal Husbandry	Member
05	Dean, College of Agricultural Engineering &Technology	Member
06	Director, Physical Plants	Member
07	Director, Planning, Monitoring & Evaluation	Member
08	Dean, College of Community Science	Member
09	Dean, College of Agriculture, Chiplima	Member
10	Dean, College of Horticulture, Chiplima	Member
11	Dean, College of Fisheries, Rangailunda	Member
12	Director, Agro-Polytechnics	Member
13	Comptroller	Member
14	Dean, Extension Education	Member Secretary

The detail Terms of Reference of SLPAC is enumerated below;

- The Committee will meet under the Chairmanship of Vice Chancellor, OUAT on quarterly basis. In absence of Vice Chancellor, the nominee of the Chairman will chair the meeting and the decisions taken will be presented to the Vice Chancellor for approval.
- The committee will make policy, planning and oversee the implementation of the project
- The Committee will approve/ ratify the quarterly/ seasonal/ yearly action plan.
- The Committee will formulate / change appropriate guideline for implementation of the project
- The Committee will make allocation of the budget based on the action plan.
- The Committee will ensure prudency of procurement and procedure for the project implementation.
- The Committee will supervise and monitor the progress periodically.
- The Committee will ensure effective coordination among the participating establishments within the University.
- The Committee decision for project implementation will be final.

3.3 Operational Mechanism

In order to ensure effective and efficient implementation of the project, a Project Implementation Unit (PIU) will be established by the Vice Chancellor. PIU will be constituted and regulated as per the decision of the SLPAC. The PIU will be established under any one establishment like Office of the DEE/ Krishi Kalinga Innovation Council (KKIC)/ Technology Management Unit of OUAT (TMC). The hiring, maintenance and operation of the PIU may either be done by OUAT or may be insourced/ outsourced to agency like KKIC, TMC or any other agency.

3.4 Role of Project Implementation Unit

- Operate and execute the project. Maintenance and operation of the office for implementation.
- Prepare seasonal and annual action plans both physical & financial
- Develop finer implementation strategies

- Monitoring the execution of the project implementation.
- Ensure coordination among all research-extension-education establishments
- Organize state level workshop, training, other capacity building program at state level
- PIU will prepare the physical, financial progress and project reports for submission to OMBADC.

4.0 Project Components

4.1 Capacity Building

Capacity building of all stakeholders would target at developing a self-sustaining, farmers driven and livelihoods enhancing programme. In the project, the primary stakeholders have been divided into three classes; namely, farmers & farm women, rural youths and grassroots level extension functionaries and officials from Agriculture, Horticulture, Animal Husbandry, Fisheries, Soil Conservation Directorates and NGOs working closely with the farmers.

a. Capacity Building of Farmers:

Odisha University of Agriculture and Technology is operationalizing nine Krishi Vigyan Kendras (KVKs) in 7 mineral bearing districts of Odisha.The KVKs are mandated to undertake activities for technology assessment, refinement, demonstration, capacity building of the stakeholders and value chain. KVKs will also operationalize agro-enterprises in the respective districts. The agro-based enterprises will include aspects like nursery raising, protected cultivation of vegetable and flowers, poultry rearing, goat rearing, dairy, pig rearing, apiary, vermicomposting, fish fingerling production and fish farming, specific to the project districts. Developing capacity of the farmers and farm women to use improved technologies and management skills in operationalizing such agro-enterprises will be a thrust area. It has been proposed that each KVK will undertake 10 numbers of training programme per annum covering identified agro-enterprises specific to the district. Each training will include 20 participants having duration of 5 days; of which 4 days will be organized at the KVK campus and one-day visit will be conducted at the site of a successful farmer. In order to make the training program more learner‟s friendly; the project has component like demonstration of selected agro-enterprise models at each KVK. During the project period of 5 years, 9000 farmers and farm women will be trained through 450 training programmes in 9 KVKs. During the training programme, the participants will be provided with customized project agro-enterprise plans, carry-to-home learning materials and inputs for operationalizing such agro-enterprises at farmers‟ level.

b. Capacity building of the field functionaries

The functionaries of agriculture line departments and NGOs, those who directly remain in contact with the farming community are expected to be technically competent, managerially efficient and information equipped so as to efficiently address the techno-

managerial and information needs of the farmers in operationalizing agro-enterprise management.The project has mooted to conduct 450 numbers of training programs for field functionaries during 5 years of project. Each such training program will include 20 participants for 4-days duration; out of which 3-days will be conducted „on-campus" and one day as exposure visit to farmer"s success site in and around the district. Apart from the KVKs in the project district, OUAT is also having Research and Technology Transfer Units (RRTTS) in two project districts namely, Keonjhar and Dhenkanal. For smooth operation of such training programs of field functionaries, the research and extension units of the University in the project districts have been assigned with specific responsibilities. Nine institutions namely, RRTTS, Keonjhar, RRTTS, Dhenkanal, KVK, Deogarh, KVK, Jharsuguda, KVK, Sundargarh-I, KVK, Sundargarh-II, KVK, Mayiurbhanja-I, KVK, Mayurbhanja-II and KVK, Jajpur will carry out the 10 such training programmes per annum (Kharif & Rabi) covering areas of crop science, horticulture, livestock, fisheries and innovative livelihoods enterprises.

c. Skill training of Rural Youths on Agro Enterprise Management

Rural youths are capable, proficient but less involved group of rural community. By skilling, they can be easily turn in to entrepreneurs, managers, progressive farmers and help in backstopping of newly developed technologies to the farmers. In many successful models, grassroots level commodity promoters among the community have been identified as strong last-mile service providers between the farmer and technology delivery units. Such alternate extension approach has been accepted worldwide, more specifically in many African and South-East Asian countries. Learnings from such successful models have been incorporated in this project. These youths will hand-hold the farming community in operationalizing the agro-enterprises.

The project plans to develop 700 numbers of rural youths spread across 7 project districts in the areas like crop production, fruit & vegetable production, livestock management and fisheries management. These training programs will be for one-year duration for each batch. The candidates will spend part of their time at the site (KVKs/ RRTTS) and partly at the colleges at Chiplima/ OUAT, Bhubaneswar. The teaching units of the University namely; College of Horticulture, Chiplima; College of Agriculture, Bhubaneswar; and five Agro-Polytechnic Centres located at Dhenkanal for Agriculture, Keonjhar& Deogarh for Horticulture, Sambalpur for Livestock, and Rangeilunda for Fisheries will also be imparting training. The courses will be residential in nature. Out of one-year program; for

six-months courses will be conducted at the skilling site and another six months at the Colleges/ University/ Incubation Centres/ Industry. During the second six months, the trainees will be given a stipend of an amount of Rs.3000.00 per month to meet their pocket expenses. Altogether, 35 „Certificate Courses" will be organized during the project period with 20 participants per batch. Thus, the project will produce 700 trained persons.

d. Skill training of Farmers on Agri Processing

The selected candidates will be provided domain specific advanced technical knowhow and do-how at „Agro Processing Unit-cum-Training Centre" and entrepreneurial knowledge & skills. During the project period, 30 number of programmes will be organized with a duration of 5 days involving 20 participants in each programme. This will give a scope for the potential entrepreneurs to take advantage of the agri processing facilities in the centre and acquire knowledge & skill in agri processing along with entrepreneurial skills from the centre. During these residential training programs, the participants will be provided with take-home training materials, customized agri-business plans, schematic linkages thereof and necessary information on support service system. The centre will select 6 numbers of potential agri incubates for undergoing further training and incubation at the state level FIED centre and satellite incubation centres at KVKs. During the entire project period 600 rural youth from the mineral bearing areas will be trained on Agi processing and out of them 30 will be taken for further incubation programme.

e. Agri- Incubation &Entrepreneurship development programmes

This project component will be executed at the proposed state level "Farmers incubation and Entrepreneurship Development Centre (FIED)" at Bhubaneswar and satellite incubation centres at 09 participating Krishi Vigyan Kendra. Those centers will cater to the need of all the proposed subjects/ commodities including small scale food processing, agri-entrepreneurial activities and value chain. Potential agri-entrepreneurs selected from seven project districts will be trained and undergo incubation at the state level FIED centers.

The project will conduct 6 numbers of agri-incubation and entrepreneurship development programs @10 per batch, covering 60 participants per annum. These participants will be selected and recommended by 9 KVKs and Agri processing unit cum training centre at state level from among the basic training participants held at these units, based on their

interest, performance during training and their available bio-physical resources. The incubates will be enrolled for a period of 2 months at the state level unit, wherein they will be provided with entrepreneurial skill, business development plan, schematic linkage and intermittently, they will be guided by the commodity specific mentors of different colleges and units of the University, for setting up their agro-enterprises in respective district. After completion of 2 months incubation program at state level, these incubatees will be referred back to respective KVKs for undergoing 4 months of hands on training being attached to specific agro-enterprises units within KVK. The principles of learning during the 4 months will be "learning by doing". Thus, on completion of 6 months program in total, with handholding support and support of critical inputs (by utilizing the available budget under field demonstration), the entrepreneur will set up his/ her own enterprise. In consonance with the observations of APICOL (Ref. No. 3146 Dt. 24.08.2021 addressed to the additional secretary, Deptt. Of Agri. & FE attached to this DPR at annexure -VI), in order to avoid duplication in selection of agri- entrepreneurs, representative of APICOL at district and state level as the case may be will be co-opted to the committees responsible for selection and screening of trainees and agro-entrepreneurs for training and incubation activities. Moreover, it will be attempted to dovetail the programmes / scheme of APICOL on entrepreneurship development.

f. Experience sharing & Cross Learning

The project covers seven mineral bearing districts involving teaching, research and extension education units of the OUAT at one hand and agriculture and allied line departments on the other. This is likely to create varied experiences involving good practices. The project has targeted to organize two state level Experience sharing, consolidation and Cross Learning workshops every year involving 40 participants covering 7 project districts. During this two-days workshop, the officials and selected farmer representatives would share their achievements, experiences and good practices.

g. Orientation training and Client Interface programme

At the beginning of the project, training programs will be organized at district-clusters to orient the project functionaries, line department officials and farmer representatives on project objectives, activities and implementation process. This will ensure transparency, clarity and uniformity in understanding the project operations. Five numbers of such programs have been planned to be organized at the district clusters involving seven project districts.

h. Farmers Product Exhibition and Fair

The seven mineral bearing districts adopted in the project are predominantly tribal dominated who are primarily forest dwellers. The project interventions are expected to bring positive change in production, productivity and profitability of farmers, and thereby enhance tribal economy. The activities will also ensure forward linkage for the tribal based agri-commodities and improve outreach for their produce. At the same time, consumers in urban centres will have access to purchase and consume agri-products of tribal origin, which are supposed to be healthy in nature and sustainable for environment point of view.

In order to bridge the gap between tribal producers and urban consumers, the project plans to conduct one state level tribal product exhibition and fair annually involving about 2000 participants from the project districts. Such activities will help the tribal producers to understand the needs and priorities of the urban consumers and develop confidence to pursue market-led agri-enterprise production.

i. Participation of Farmer Groups in Fairs

The project would sponsor participation of tribal groups and producers to different farmers fairs and exhibitions. Producers and different groups will be nominated to participate in such fairs for showcasing and sale of their produce by utilizing a budget allocation of Rs.5.00 lakh per KVK per annum. The KVK may arrange to hire stall, space and pavilion exclusively for participation of such groups.

j. Web portal development, MIS, Geo-tagging of Assets

A website giving details of the project and all the activities will be integrated to the OUAT website. This will include the areas of operations, interventions and deliverables of project activities and outcomes on public domain. The project would also initiate to undertake activities for development of Management Information System for the related activities.

k. Certificate Course for Rural Youth

The project plans to develop 700 numbers of rural youths (commodity promoters) spread across 7 project districts in the areas of crop production, fruit & vegetable production, livestock management and fisheries management. These training programs will be nomenclature as "**Certificate Courses"** of one-year duration for each batch. The teaching units of the University namely; College of Horticulture, Chiplima; College of Agriculture, Chiplima; and five Agro-Polytechnic Centres located at Dhenkanal for Agriculture, Keonjhar&Deogarh for Horticulture, Sambalpur for Livestock, and Rangeilunda for

Fisheries have been identified for undertaking these diploma courses. The courses will be residential in nature. Out of one-year program; for six-months courses will be conducted "on-campus" at respective teaching units and the rest six-months program, will be conducted as industry or entrepreneur attachment. During the industry or entrepreneur attachment period of six months, an amount of Rs.3000.00 per month per candidate will be paid as stipend to meet their pocket expenses. Altogether, 35 diploma courses will be organized during the project period with 20 participants per batch. Thus, the project will produce 700 certificate holders, of which 200 in crop production, 300 in fruits & vegetable production, 100 in livestock management and 100 in fisheries management.

4.2 Infrastructure Development

In order to implement the project in the less developed districts, infrastructure like training facility, incubation centres and farmers hostels are required. Some of the KVKs, RRTTS and colleges lack those infrastructure. Need-based infrastructure at 9 KVKs, 3 RRTTSs, 5 APCs, two Colleges and at University headquarters will be built to deliver the project interventions in an effective manner.

a. Krishi Vigyan Kendras (KVKs)

KVKs are mandated to undertake farmers" training for which minimum facilities of infrastructure, *viz*. training halls, farmers" hostels, demonstration units have been developed. The project has been conceptualized to develop the 9 KVKs falling under 7 mineral bearing districts as for farmers" capacity building in the areas of agri-enterprise management. In order to facilitate the process, it was felt to strengthen the training facilities inside the KVK campus.Thus, the project proposes for need-based construction (wherever not existing or complete rundown condition) and renovation of farmers" hostel, conference hall and administrative building (renovation only) at 9 KVKs. The strengthening of campus electrification, irrigation, land development and internal roads will be renovated/ strengthened for effective utilization of such infrastructure and operationalization of the experimental models. A tentative list of the KVK-wise information indicating the requirement of new construction/ renovation of the said infrastructure and facilities are given in Annexure-I.

b. Regional Research & Technology Transfer Stations (RRTTS)

Regional Research & Technology Transfer Stations (RRTTS) and Sub-stations located at Keonjhar, Dhenkanal, Chiplima and Sundargarhhave a mandate of development of

technologies, their strategic transfer to stakeholders and will function as „Centre of Excellence‟ for selected commodities of that region. These units will undertake technology upscaling, out scaling, refinement and capacity building. The capacity building activities will be for the grassroots level field functionaries in the Directorates of Agriculture, Horticulture, Animal Husbandry and Fisheries, field functionaries of NGOs and other Government agencies like Rural Livelihoods Mission and Mission Shakti. The project has been proposed to strengthen the research and training infrastructure in these research stations and sub-station such as conference hall, farmers‟ hostel, administrative building and research field. Infrastructures like campus electrification, irrigation and internal roads will also be taken care. The RRTTS-wise information indicating the new construction/ renovation of the said infrastructure and facilities of are given in Annexure-II.

c. Agro-Polytechnics

Five numbers of Agro-Polytechnics are located in the region *viz*., at Keonjhar, Chiplima, Deogarh, Dhenkanal and Rangeilunda. They will also be part of the one year „Certificate Course‟ in different disciplines of agriculture and allied subjects like Horticulture, Animal Science, Agriculture, and Fisheries respectively. Creation of additional infrastructure is essential to take the load of teaching for the certificate course. The project proposes to develop the hostel, classrooms and strengthen practical laboratories and other co-curricular facilities at these five centres. Need-based facilities like campus electrification, borewell for drinking water, internal road and others will be developed.The APC wise information indicating the new construction/ renovation of the said infrastructure and facilities of are presented in **Annexure-III.**

d. College of Agriculture & College of Horticulture

College of Horticulture, Chiplima and College of Agriculture, Chiplima will be associated in training programme, skill impart and entrepreneurship. They will also be associated with the incubation of the trainee and hand holding for entrepreneurship. A large “Incubation Centre” will be established at Bhubaneswar for impart of skills, incubation and entrepreneurship. The Incubation centre will impart training and hand hold them for six months for the Certificate Course. In these activities all the colleges located at Bhubaneswar along with other establishments will be associated. Need based infrastructure at both Chiplima and Bhubaneswar will be created. Those will include laboratories, class rooms and other related facilities. The College-wise information for the new construction/ renovation are given in Annexure-IV.

e. University Headquarters

i. Establishment of 'Farmers Incubation and Entrepreneurship Development Centre' at Bhubaneswar

The project will be establishing a „Farmers Incubation and Entrepreneurship Development Centre" for different commodities and different expertise. The input capacity will be for six batches per annum with 10 participants in each batch. Infrastructure for the Incubation Centre has been provisioned. The centre will have necessary provision like reception, conference hall, training cell, syndicate rooms, office room, store room, faculty room, reading room, incubation space, computer lab and other amenities. This facility will also have a hostel for the trainees. Contractual staffs will be engaged for operationalize the centre. Altogether, 300 numbers of potential entrepreneurs will be incubated and trained at this centre during the project period. The proposed new construction/ renovation of the said infrastructure and facilities at University Headquarters are presented in **Annexure-V.**

ii. ICT Centre at Bhubaneswar

The ICT Centre will be established at OUAT Bhubaneswar, under the control of DEE with the following objectives:

- Designing, implementing and evaluating of e-materials (video, audio, text & web) for agriculture utilizing ICT tools and techniques.
- Develop Web-based and App-based contents and support system
- Digitization (video mode) of technological innovations

The ICT Centre will have video production and editing lab, video display room. This will also include video recording&video and audio editing. The following equipment, hardware and software will be purchased. The server component will be integrated to the University main server. Required man power will be hired on contractual / outsourcing mode. The supportive production facilities will be created at different locations like KVKs, RRTTS, Poly-technics and colleges.

Sl. No.	Item	Locations
1.	Graphics Hub	DEE
2.	Workstation	DEE
3.	Camera, Video projector,	DEE
4.	Server	University Main Server Room

f. Establishment of Community Radio Stations

The project proposes to establish and operationalize two Community Radio Stations (CRSs) one at KVK, Jharsuguda and the other at KVK, Keonjhar. The purpose of such unitsare to provide real-time agro-advisories, package of practices, Government schemes, important market information, at the same time sharing cases of successful farmers through folklores *viz*. *pala*, *daskathia*, *Bhagawat Tungi Charcha*, innovative jingles. The technical programs for these two radio stations will be produced centrally at the State level ICT Hub and program packaging will be done locally at the respective CRSs giving a regional flavour to the programs.

g. Development of Satellite Incubation Centres at the KVKs

Each of the KVKs under the project will be developed as a Satellite Incubation Centre focusing on one commodity. During the farmers‟ skill training programmes, potential incubates will be selected from among the trainees, based on objective criteria. These selected incubates will be nominated to undergo specialised training at State Level Incubation Centre at Bhubaneswar. These selected incubates will be supported with entrepreneurial skills at the centre, practical exposure and mentoring support at different colleges and units of the University. During their stay, they will be provided with incubation space, lodging and boarding, counselling and linkage support at the state unit. In the second phase, these incubates will be sent to KVK level satellite incubation centre to work out their ideas in agro-enterprise and processing units for period of 4 months. Finally, the successful incubates will be linked to the state and national level schemes, banking institutionsand other support services for operationalizing the agro-enterprises.

In order to establish the satellite incubation units, the project will support development of following units / activities at KVKs.

4.3 Agro-Enterprise Units

4.3.1 At KVKs

Agro-Enterprise Units will be established at 9 KVKs to skill the farmers and rural youth on agricultural innovations and to supply inputs like seed and quality material. These units will also showcase the enterprise operations. At each KVK, 6 numbers of Agro-Enterprise Units will be set up, based on the priorities of the district, agro-ecological parameters and bio-physical strength of the KVK. These models will include production of

seeds, quality planting materials, production, poultry chicks, breeding bucks, fingerling, bio-flock, vermiculture, bee-keeping and related commodities.

Further, 2 numbers of agro-processing units will be established at each KVK. The processing units include fruits & vegetable processing, millet processing, honey processing, paddy seed processing, milk processing and others. The 6 Agro-Enterprise Models and 2 Agro-Processing Units at each KVKs will produce quality inputs for farming *viz*. seeds, QPM, chicks, vermi, fingerlings etc. and agro-processed outputs. All these products will be marketed under the universal brand „OUAT Kalinga", promulgated by OUAT. This will provide quality inputs to the farmers of the district, in triggering agricultural productivity and farmers" profitability.

A chronicle of the Agro-Enterprise Units & Agro-Processing Units to be set up at the KVKs are enumerated below.

i. Agro-Enterprise Units

a. Vermi- Hatchery & Composting
b. Commercial mushroom and Spawn Production
c. QPM of Fruits and Vegetables
d. Honey Production
e. Bio-flock and Fingerling Production
f. Poultry Hatchery & Brooding Unit
g. Duck hatchery cum brooding unit
h. Commercial Milk and Heifer Production Unit
i. Breeding Buck production Unit
j. Maize and Maize seed production

ii. Agro-Processing Units

Considering the focus of the satellite incubation centre at each KVK, agro-processing units in line with the agro-enterprises will be developed. A set of agro-processing units to be developed at different KVKs is given hereunder;

a. Seed processing
b. Fruits & Vegetables processing
c. Millet processing
d. Honey processing
e. Sabai processing
f. Processing of Underutilised Fruits and Vegetables (Tamarind, Jack fruit, Mahua, Neem, Aonla, Bel, Ber)

g. Non-Timber Food Processing

h. Spice Processing Unit (Ginger and chilli)

i. Milk Processing Unit (Paneer & Ghee)

The list of KVK-wise Agro-Enterprise Models and Agro-Processing Units is presented at **Annexure-VI.**

4.3.2 Establishment & Operationalization of Farm Machinery Hubs at 9 KVKs / 3 RRTTSs

Farm mechanization is an important indicator of the growth in agriculture of a particular area. From time immemorial, manual and animal drawn implements are used in several agricultural operations thus indicating the imperative role of implements in agriculture. Gradually with improvement in the level of technology use, farm mechanization has also become necessary for higher farm profitability. Farm mechanization will reduce the dependency on labour and also reduce the drudgery involved in manual operations, besides enhancing productivity. At the same time there is a direct correlation between the farm power input and productivity. Lack of awareness, skill and access to farm power is one of the primary reasons for slow growth of farm mechanization in eastern India and more particularly in tribal dominated areas. Many a times, it proves to be completely unviable for a small or marginal farmer to purchase farm equipment and without its usage the farmer can never sustain positive returns from agricultural output.

The project target is to develop a farm machinery hub at each of the research – extension unit (clusters) in the project area with the following purpose;

- To showcase a set of agricultural implements and machines pertinent to agriculture in a particular district
- To create awareness on farm mechanisation scope and feasibility
- To utilise the available machinery in the institute farm
- To develop the skill of farmers on operation and maintenance of farm equipment
- To provide custom hiring services for interested farmers.

The farm machinery hubs will include the following provisions

- The farm machinery hub will have a set of farm implements/equipment
- The hub would be equipped with a minimal repair and maintenance unit

- The hub would have facilities for imparting skill oriented training on operation and maintenance of farm implements and machinery

For establishment and operationalisation of the farm machinery hub, the project has proposed to develop / procure the following infrastructure, agri-machinery/implements and hiring of contractual manpower for operation and maintenance. As such to avoid duplication and enhance quality of deliverables, the project proposes to develop a hub of higher capacity / scale, where both the research and extension units are operating from one OUAT campus (Plan – A) i.e. Keonjhar and Dhenkanal. Apart from that, for other research and extension units, Plan -B will be adopted

		Plan – A		**Plan - B**	
	Item Particular	**No.**	**Cost (Rs lakh)**	**No.**	**Cost(Rs lakh)**
A. Infrastructure	Machinery Shed (3000 sq ft)	01	60.00		
	Machinery Shed (2000 sq ft)			01	40.00
Sub Total A			**60.00**		**40.00**
B. Machineries/ implements & Accessories	Tractor (50 HP)	01	9.00	01	9.00
	Power tiller	01	2.00	01	2.00
	Rotavator (5‟)	01	1.0	01	1.0
	M.B Plough (2bottom)	01	0.35	01	0.35
	Disc Plough (2 bottom)	01	0.35		
	Seed-cum-fertiliser Drill (Tractor Drawn)	01	0.70	01	0.70
	Post Hole Digger	01	1.0	01	1.0
	Aero blast Sprayer	01	1.0	01	1.0
	Self propelled rice transplanter (4 row)	01	3.50	01	3.50
	Happy seeder	01	2.00		
	Power Weeder (for Dryland)	01	0.80	01	0.80
	Power Weeder (for	01	0.70	01	0.70

	Wetland)				
	Manual Weeder (1Set)	01	0.20	01	0.20
	Foot Sprayer	01	0.15	01	0.15
	Rocker Sprayer	01	0.10	01	0.10
	Power Sprayer	01	0.15	01	0.15
	Power paddy Reaper	01	1.50	01	1.50
	Brush Cutter	01	0.35	01	0.35
	Pole Prunner	01	0.65		
	Chain Saw	01	0.40	01	0.40
	Tractor operated multi-crop thresher	01	2.50		
	Groundnut digger shaker	01	1.80		
	Groundnut Thresher	01	1.80		
	Laser leveller	01	4.00		
	Mini Tractor with Accessories	01	7.00		
	Hydraulic Trolley for tractor	01	2.00	01	2.00
	Bullock Drawn Implement	01 set	1.0	01	1.0
	Hand Operated Implements	01 set	1.0	01	1.0
Sub Total B			**47.00**		**26.90**
C. Workshop tools and furniture	Hand shearing machine	01	0.20	01	0.20
	Drilling machine	01	0.10	01	0.10
	Grinding machine	01	0.10	01	0.10
	Wielding Machine	01	0.20	01	0.20
	Small Tools (Set)	01	0.10	01	0.10
	Furniture (Almirah – 02, table – 02, Chairs - 10)	01 set	1.0	01	1.0
Sub Total C			**1.7**		**1.7**

D. Project Personnel	Machine Operator-cum-Mechanic	02	18.0	02	18.0
Sub Total D			**18.0**		**18.0**
E. Operation and Maintenance	POL, repair & maintenance, insurance (Lump sum for 5 yrs @ Rs 2.0 lakhs/yr)		10.00		10.00
Sub Total E			**10.00**		**10.00**
Grand Total	**A + B + C + D + E**		**136.70**		**96.60**

*****The list of the equipments is tentative. It will be decided based on the need of the clusters.

4.3.3 Development of Commodity Specific 'Centre of Excellence' at RRTTS

Three numbers of Regional Research and Technology Transfer Stations (RTTSSs) located at Keonjhar, Chiplima and Dhenkanal have been included in the project. Apart from undertaking capacity building activities, these research units will pursue intense activities for development of commodity specific „Centre of Excellence" (CoE). Those RRTTS/S are already working as Centre of Excellence for specific agri-commodities. The CoEs for three RRTTSs as approved by BoM, OUAT are given hereunder;

- RRTTS, Keonjhar -Centre of Excellence on Winter Pulse &Goatery
- RRTTS, Chiplima -Centre of Excellence on Rice & Oilseeds
- RRTTS, Dhenkanal -Centre of Excellence on Oilseeds

Accordingly, under the OMBADC project these CoEs will be supported with both infrastructure development and operational expenses.

a. At RRTTS, Keonjhar

i. CoE on Winter Pulses: The RRTTSwill be strengthened with establishment of a crop cafeteria on winter pulses. The project interventions will include development of crop cafeteria in an area of 1.50 Ac inside the RRTTS. The details of infrastructure are fencing, internal roads, sub-plotting with brick/ cemented barriers, irrigation channels & systems, insect barriers, vermi unit, NADEP compost unit and others. Further, the project will support development and maintenance of crop cafeteria on winter pulses for a period of 5 years inside RRTTS campus. Further, the project plans to carry out field demonstrations by RRTTS on winter pulses in selected cluster of

KVK adopted villages, so as to develop replicable models for the agro-climatic zones. The RRTTS will carry out collaborative seed village program i.e. farmers led-scientist guidedseed production programs in the farmers‟ field.

ii. CoE on Goatery: At RRTTS, Keonjhar, one COE on Goatery will be developed. The project will support selection, breeding and maintenance of two prominent breeds *viz*. Ganjam& Black Bengal at the campus. Infrastructure development such as Goat Farm, fodder & forage tree unit, chaff cutter and others will be included in the project. The project will maintain and supply pure line bucks of two breeds to existing goat farmers in the adopted villages.

b. At RRTTS, Chiplima

i. CoE on Rice: The RRTTSwill be strengthened with establishment of a crop cafeteria on Rice. The project interventions will include development of crop cafeteria in an area of 2.5 Ac inside the RRTTS. The details of infrastructure are fencing, internal roads, sub-plotting with brick/ cemented barriers, irrigation channels & systems, insect barriers, vermi unit, NADEP compost unit and others. Further, the project will support development and maintenance of crop cafeteria on rice for a period of 5 years inside RRTTS campus. Further, the project plans to carry out field demonstrations by RRTTS on ricein selected cluster of KVK adopted villages, so as to develop replicable models for the agro-climatic zones. The RRTTS will carry out collaborative seed village program i.e. farmers led-scientist guidedseed production programs in the farmers‟ field.

ii. CoE on Oilseeds: The RRTTSwill be strengthened with establishment of a crop cafeteria on oilseeds. The project interventions will include development of crop cafeteria in an area of 2.50 Ac inside the RRTTS. The details of infrastructure are fencing, internal roads, sub-plotting with brick/ cemented barriers, irrigation channels & systems, insect barriers, vermi unit, NADEP compost unit and others. Further, the project will support development and maintenance of crop cafeteria on oilseeds for a period of 5 years inside RRTTS campus. Further, the project plans to carry out field demonstrations by RRTTS on oilseeds in selected cluster of KVK adopted villages, so as to develop replicable models for the agro-climatic zones. The RRTTS will carry out collaborative seed village program i.e. farmers led-scientist guidedseed production programs in the farmers‟ field.

c. At RRTTS, Dhenkanal

i. CoE on Oilseeds: The RRTTSwill be strengthened with establishment of a crop cafeteria on oilseeds. The project interventions will include development of crop cafeteria in an area of 2.50 Ac inside the RRTTS. The details of infrastructure are fencing, internal roads, sub-plotting with brick/ cemented barriers, irrigation channels & systems, insect barriers, vermi unit, NADEP compost unit and others. Further, the project will support development and maintenance of crop cafeteria on oilseeds for a period of 5 years inside RRTTS campus. Further, the project plans to carry out field demonstrations by RRTTS on oilseeds in selected cluster of KVK adopted villages, so as to develop replicable models for the agro-climatic zones. The RRTTS will carry out collaborative seed village program i.e. farmers led-scientist guided- department funded/ certified seed production programs in the farmers‟ field.

4.3.4 Development of 'Centre of Excellence' at Colleges at Chiplima

The project envisages developing "Centres of Excellence" at Chiplima campus keeping in perspective the regional priorities. It is proposed to set up the following three "Centres of Excellence" *viz*. On Groundnut, Fruits and Poultry &Goatery at different teaching units at Chiplima campus.

- "Centre of Excellence" on Groundnut at College of Agriculture, Chiplima
- "Centre of Excellence" on Fruits at College of Horticulture, Chiplima
- "Centre of Excellence" on Poultry and Goat at Chiplima

N.B:

- 5% of the total budgetary allocation of the unit will be utilized for meeting the recurring expenses *viz*. electricity charges, water charges, cleaning and other regular maintenance works
- Savings of fund available under one head will be utilized for other heads of the project with approval of State Level Project Apex Committee (SLPAC)

5.0 Result Framework

- **Project Objective I: Capacity building of farmers, SHGs, FPOs, agri-entrepreneurs, public extension workers, and other stakeholders in the mineral bearing districts of Odisha**

Sl. No.	Project Interventions	Purpose	Methodologies	Sub-Activities	Outputs & Outcomes
01	Capacity building of farmers by 9 KVKs on various Agriculture, Horticulture, Livestock, Fisheries and agro-enterprises	To impart knowledge and skill training inputs for undertaking the agriculture and allied enterprises on a business mode To select 6 numbers of farmers per annum per KVK covering different agri-enterprises. for incubation at state level	Select individual farmers/ group leaders pursuing the similar enterprises Conduct trainings for period of 5 days(4days + 01) day field visit) Manpower support. Objective criteria to select farmers for incubation	• Identify the exact areas/ domain of training program keeping in perspective the seasonal requirements, market demand and agro-eco situation priorities • Planning of the training activities & budgeting • Approval of the program by SLPAC • Preparation of training handouts, lesson plan and training modules • Identify a successful farmer's case for field visit • Selection of the trainees • Assessment of pre-training behaviour • Conduct training program (both theory and practical classes) • Conduct field visit to successful farmer on Day-4 of training program	20 participants per batch X 90 batches per annum X 5 Years = 9000 farmers will be trained Improved knowledge and skill of the farmers to undertake profitable agro-enterprises Selection of 300 agri-entrepreneurs for undergoing training and incubation at state level.

				• Consolidation of learning (combining the key takeaways of both institutional and field training) on 5th day • Prepare back at work plan • Collect feedback on post-training behaviour • Selection of potential agri-incubates based on set criteria	
02	Capacity building of the field functionaries in Agriculture Horticulture, Livestock, Fisheries and agro-enterprises at RRTTSs (Keonjhar, Dhenkanal)/ KVKs (Jajpur, Deogarh, Mayurbhanja I , Mayurbhanja II, Jharsuguda, Sundargarh I and Sundargarh II)	To conduct Training of Trainers / Refresher Trainingsfor the field functionaries on various agri-enterprises	Conduct training forperiod of 4 days (3 days training + 1 day in farmers field), twice per annum (Kharif & Rabi) Manpower support.	• Identify the broad domain and specific areas of training program keeping in perspective the seasonal requirements and agro-eco situation priorities • Planning of the training activities & budgeting • Propose the program for approval by SLPAC • Preparation of training handouts, lesson plan and training modules • Identify a successful farmer's case for field visit on Day-3 of the training program • Solicit nomination of the trainees from district officials	20 participants per batch X 90 batches per annum X 5 Years = 9000 field extension functionaries will be trained Improved knowledge and skill of the field functionaries to render quality extension services

				• Assessment of pre-training behaviour • Conduct training program by combining both theory and practical classes • Field visit to successful farmer's site on Day-3 of the training program • Consolidation of learning (combining the key takeaways of both institutional and field training) on 4th day • Prepare back at work plan • Collect feedback on post-training behaviour	
03	Training on Agri-Processing programmes for farmers/ SHG/ Farmers' group leaders	To build skill & entrepreneurship on agri-processing among farmers/ SHG/ Farmers' group leaders	Agri- processing training at University Hqrs. viz. 5 days at Food ProcessingUnit cum Training Centre To select 6 numbers of farmers per annum for incubation at state level	• Such training programs will be undertaken at Dept. of APFE, CAET by pooling participants from 7 mineral bearing districts or exclusively designed for one particular district • Identify the specific areas of training program keeping in perspective the market demand and agro-eco situation priorities appropriate to the mineral bearing districts • Planning of the training activities & budgeting	20 participants per batch X 6 batches per annum X 5 Years = 600 farmers will be trained Farmer Entrepreneurs will be able to set up/ pursue their agri-processing

				• Propose the program for approval by SLPAC • Preparation of training handouts, lesson plan and training modules with focus on entrepreneurial skills and business acumen • Identify a successful Entrepreneur/ Agro-Processing Unit for field visit on Day-4 of the training program • Solicit nomination of the trainees from KVKs • Assessment of pre-training behaviour • Conduct training program by combining both theory and practical classes • Include interaction sessions with practicing entrepreneurs • Expose participants to ongoing schemes and programs under Dept. of Agriculture and Dept. of MSME • Field visit to successful Entrepreneur's / Agro-Processing Unit on Day-4 of the training program • Consolidation of learning (combining the key	on a commercial scale.

				takeaways of both institutional and field training) on 5th day • Prepare Business Development Plan specific to the agro-processing • Collect feedback on post-training behaviour	
04	Agri-Incubation and Entrepreneurship Development Program at University Hqs (2 Months)	To build agri-entrepreneurship on agri-enterprise management among farmers/ SHG/ Farmers' group leaders	Agri-Entrepreneurship training and Incubation at Farmers Incubation and Entrepreneurship Development Centre (FIED) for a period of 2 months with mentoring support at different Departments & Units of the University Source of the participants: @ 6 no. per KVK X 9 KVKs + 6 no. from Agri-Processing Unit = 60 participants	• Such training programs will be undertaken at Farmers Incubation and Entrepreneurship Development Centre (FIED) by pooling participants from 7 mineral bearing districts • Identify the specific areas of training program keeping in perspective the market demand and agro-eco situation priorities appropriate to the mineral bearing districts and schematic lay out of the state. • Planning of the training activities & budgeting • Propose the program for approval by SLPAC • Preparation of training handouts, lesson plan and training modules with focus	60 participants per annum X 5 Years= 300 Incubates will be facilitated to establish their agri-enterprises after completion of skill training, agri-entrepreneurship training and incubation

				on entrepreneurial skills and business acumen • Identify a successful Entrepreneur/ Agro-Processing Unit for field visit during training program • Solicit nomination of the trainees from KVKs & State level Agri-Processing Unit • Assessment of pre-training behaviour • Conduct training program by combining both theory and practical classes • Include interaction sessions with practicing entrepreneurs • Expose participants to ongoing schemes and programs under Dept. of Agriculture and Dept. of MSME • Field visit to successful Entrepreneur's Unit during the training program • Providing mentoring support to the incubates by attaching them to different units & Departments of the University intermittent. • Consolidation of learning (combining the key	

				takeaways of both institutional and field training) • Prepare Business Development Plan specific to the agro-enterprise • Collect feedback on post-training behaviour • Facilitating schematic and banking linkage for supporting the agri-entrepreneurship activities.	
05	Agri-Incubation and Entrepreneurship Development Program at 9 KVKs (4 Months) @ 6 Incubates per KVK per annum	To strengthen agri-entrepreneurship on agri-enterprise management among farmers/ SHG/ Farmers' group leaders	Agri-Entrepreneurship Development & Incubation at KVKs for a period of 4 months with mentoring support Source of the participants: Those 6 participants nominated from KVK and undergoing incubation training at state level	• Such programs will be undertaken at respective KVKs by sourcing farmer participants from the earlier conducted Agro-Enterprise Training programs and completion of incubation at state level. • Participants may be allowed to visit state level incubation centre periodically based on need and priorities. • Attaching the incubates to respective agro-enterprise units of the KVK • Mentoring support from the scientists of KVKs • Interaction with line departments and bankers	60 participants per annum X 5 Years= 300 Incubates will be facilitated to establish their agri-enterprises after completion of skill training, agri-entrepreneurship training and incubation

				• Dovetailing of on-going schemes and programs • Facilitating banking linkage • The field demonstration programs of this project with support of critical inputs will be extended to the successful incubates to set up their agri-enterprises	
06	Sponsoring the farmers/ groups from 7 districts to exhibit their products and participate in fairs & exhibitions for exposure to entrepreneurship	Market facilitation and promotion of local brands	Organize an annual state level exhibition for mineral bearing districts at University level. Selected farmers & farmwomen/ SHGs/ FPOs will be encouraged to participate in district, state and national level exhibition	• A state level exhibition at University Level will be organized by SPU with participation of farmers. Farmwomen, SHGs, FPOs and other stakeholders at University level. • A specific theme for the state level exhibition may be publicized each year, so as to bring appropriate focus and generate interest of buyers/ consumers • During the state level exhibition, the participants will be provided scope to interact with scientific fraternity, value chain actors, bankers and other stakeholders • Sponsoring the farmers, farmer women, SHGs, FPOs leaders to participate in the	Participation of 1500-2000 farmers hailing from 7 districts at State Level Exhibition organized by University Participation of 1350-1500 farmers in district, state and national level exhibitions Facilitations of market linkage and promotion of local brands (Vocal for Local)

				district level, state and national exhibitions to showcase their products and connect with market	

Objective II: Impart skill, capacity building, incubation and entrepreneurship to rural youths through one-year certificate course.

Sl. No.	Project Interventions	Purpose	Methodologies	Sub-Activities	Outputs & Outcomes
01	One-Year Certificate Course for Rural Youths on crops, fruits & vegetables, livestock& fisheries management	To develop a band of community levelenterprise facilitators so as to provide last mile services viz. technology, inputs, information To enhance the employability and entrepreneurial ability of the community level enterprise facilitators	The project will adopt a novel hybrid approach in delivering the training course. <u>Phase-I</u> Rural Youths will be trained at at College of Hort, Chiplima and College of Agril., Bhubaneswar and 5 APCs viz. Dhenkanal for Agril, Keonjhar & Deogarh for Hort., Sambalpur for Livestock, and Rangeilunda for Fisheries for a period of 6 Months <u>Phase-II</u> Subsequently, these rural youths will be trained on entrepreneurial skills at the Farm Incubation & Entrepreneur	• The SPU will request the 9 KVKs to nominate rural youths to participate in one-year Certificate Courses to be organized at 7 Centres i.e. College of Hort, Chiplima on Horticulture and College of Agril, Chiplima on Agriculture and 5APCs viz. Keonjhar, Chiplima, Deogarh, Dhenkanal and Rangeilunda on Horticulture, Animal Science, Agriculture, Agriculture and Fisheries respectively • Thus, there will be 7 Nos. of Certificate Courses; 3 batches on Agriculture, 2 batches on Horticulture, 1 batch on Livestock and 1 batch on Fisheries per annum • Director, Agro-Polytechnics will coordinate this Certificate Courses at the University level. • Approval by SLPAC • In Phase-I of 6 months at APCs/ 2 Colleges: preparation	20 participants per batch per centre X 7 Centres = 140 participants per annum X 5 years 700 rural youths will avail One-Year Certificate Course Improved employability and entrepreneurial ability of the rural youths

			Development (FIED) Centre and get entrepreneurial internship attachment with other entrepreneur-farmers/ processing units to gather hands-on training. Manpower support.	of certificate course handouts, lesson plan and teaching modules covering both theory and practical classes focusing on knowledge and skill elements respectively • In Phase-II at FIED Centre the rural youths will be equipped with entrepreneurial skills and business acumen • The rural youths will be allowed to incubate upon new ideas and innovations • Identify a successful Entrepreneur/ Agro-Processing Unit for the entrepreneurial internship attachment • Rural youths will be attached to entrepreneurs	

Objective III: Creation and strengthening of infrastructure at 9 KVKs, 3 RRTTSs, 5 Agro-polytechnics, 2 Colleges, and University headquarters for training, skilling and entrepreneurial activities.

Sl. No.	Project Interventions	Purpose	Methodologies	Sub-Activities	Outputs & Outcomes
01	Need based construction / Renovation of Farmers‟ Hostel, Conference Hall, administrative building, classroom, practical lab and other facilities at 9 KVKs, 3 RRTTS, 5 APCs & 2 Colleges	To strengthen the existing infrastructure for undertaking training, skilling and entrepreneurial activities	Following established Government guidelines Manpower support	• 9 KVKs, 3 RRTTSs, 5 APCs & 2 College heads will be consulted to propose the requirement creation and strengthening of infrastructure. • Based on the preliminary assessment carried out during the preparation of this DPR, a checklist of infrastructure to be created and strengthened under the project have been prepared and placed at Annexure I, II, III and IV • The respective Heads of KVK/ RRTTS/ APC/ Colleges will request the local Govt. officials i.e. OPWD/ CPWD/ Electricity/ others to make a conduct a field survey and prepare detailed drawing & estimates of the infrastructure to be built.	Infrastructure to be created or renovated as per Annexure- I to IV for KVKs, RRTTS, APC and Colleges. However, changes can be proposed with justification for approval of SLPAC Quality infrastructure to act as proverbial skeleton upon which effective training and capacity building can be ensured

				• On approval of physical and financial components of infrastructure development by SLPAC, the work will be assigned to respective Govt. organizations only following the standard procurement procedures. • The infrastructure development work will be carried out following 'critical path' on a time bound manner minimizing the time and cost overrun. • The respective Heads will provide necessary support for building infrastructure and periodically monitor the quality • All the infrastructure will be geo-tagged for verification	
02	Establishment and operationalization of integrated ICT Lab at University Headquarters and Utilization Centers at KVKs, RRTTSs & APCs	To establish App-based Extension & Studio at Bhubaneswar, Community Radio Station & Utilization Centres at	Engagement of a professional agency in helping to decide the hardware and software required for the purpose. Procurement of hardware and	• The project will engage a Consultant / professional agency like NIC or other Govt. agency to formulate a detail plan of requirements of hardware and software.	Establish NPL at DEE, CPUC at 9 KVKs and AUCs at 12 locations

		project units For effective dissemination of technological packages in agriculture and allied sectors	software. Development of infrastructure and IT based systems with manpower support. Manpower support.	• The Agency will also provide the layout plan. • The Agency may be asked to establish this component on turnkey basis. • It has 3 subcomponents viz. establishment of Nuclear Production Lab at University Hqs., Co-Production & Utilization Centre (CPUC) at 9 KVKs and Assembly & Utilization Centre (AUC) at 12 Locations • Construction of NPL building at DEE, construction/ renovation of CPUCs at 9 KVKs, construction/ renovation of AUC at 12 locations • The project will develop a comprehensive App called '*Total Agril*', capturing the production, protection and management areas of field crops, fruits, vegetables, flowers, livestock, fisheries and others • The project component will prepare the	Prepare appropriate e-materials viz. Web based, App based (video, audio, text). Digitization (video mode) of technological innovations & practices of promising agri-enterprises

				digitization of technological recommendations viz. video films, jingles and other usable formats in local language for dissemination of technological innovations	
03	Establishment and operationalization of Food Processing Unit cum Training Center at University Headquarters	To develop a stateof art processing infrastructure and skill development training center	Construction of Food Processing Unit cum Training Center following established Government guidelines Procurement and development of need based equipment for 2/3 processing line Manpower support.	• Identify 2/3 agro- product processing line for which the Food Processing Unit will be established • Establish scope for hands-on training on specific food processing • Prepare a layout plan of the physical assets to be built and estimate • Approval of SLPAC • Operationalization of Food Processing Unit-cum-Training centre • Conduct training of rural youths • Provision of facilities for hands-on skill training on food processing	20 participants per batch X 6 batches per annum X 5 Years = 600 farmers will be trained State of Art facilities for food processing (2/3 product line)
04	Establishment and operationalization of Farmer Incubation and Entrepreneurship	To identify and promote entrepreneurship among rural youth.	Construction of Farmer Incubation and Entrepreneurship Development	• Prepare a layout plan of the physical assets to be built and estimate • Approval of SLPAC	20 participants per batch X 6 batches per annum X 5 Years =

	Development Centre(FIED) at University HQ		Centre(FIED) Center following established Government guidelines Procurement of need based equipment and furnishing Manpower support.	• Building of the infrastructure and furnishing • Operationalization of FIED centre • Conduct training of rural youths on entrepreneurship development • Provide techno-managerial support for the incubation • Liaising with agro-entrepreneurs and agro-industries • Linking the rural youths with the agro-entrepreneurs and agro-industries for the internship program	600 farmers will be trained 700 rural youths undergoing One-Year Certificate Course on Agril. & allied sector at 5 APCs & 2 Colleges will be provided incubation facility

Objective IV: Development of "Agro-Enterprises" at KVKs and commodity specific "Centre of Excellence" at RRTTSs

Sl. No.	Project Interventions	Purpose	Methodologies	Sub-Activities	Outputs & Outcomes
01	Establishment of 'Agro-Enterprise Models' at 9 KVKs	Establish enterprise prototypes - to demonstrate the new technological innovations, - to provide quality material inputs (seeds, planting materials, chicks and others) to the farmers and - to showcase the enterprise operations with market focus.	Establishment of 6 nos. of Agro-Enterprise Models at each KVK Operationalization of these 6 units with manpower support.	• Each KVK will prepare a plan of action to set up 6 nos. of Agro-Enterprise Models • Approval of SLPAC • Carry out the new construction/ renovation of existing units inside KVKs • Engage the required manpower on contractual mode and coterminous with project either directly or on outsourcing basis • Operationalization of these 6 units • Sale of quality inputs viz. seeds, QPM, chicks, vermi, fingerlings etc. under the brand name of 'OUAT Kalinga' to farmers • All these units will be made operational on business mode.	Setting up 6 Agro-Enterprise Models Provision of quality inputs for the farmers

02	Develop model villages to showcase replicable agri-technological innovations	Model villages will act as 'Epicentre of Dissemination' of Agricultural Technologies	KVKs will demonstrate innovative technologies in farmers' field of 5 adopted villages of the district	• Selection of progressive farmers/ SHGs/ FPOs • Training of the farmers/ SHG / FPO leaders • Demonstration of technological innovations in farmers' field with supply of critical inputs • Organize Field days for further replication • A systematic 'Sequential Extension Interventions' viz. training, demonstration & field day, will be adopted for further replication of technological innovations	6 replicable models will be established in farmers' field per annum X 5 years by each KVK, i.e. 30 such replicable models per KVK Altogether 270 such farmers' field units will be supported

03	Establishment and operationalization of Agri processing Units at 9 KVKs	Establish models of small scale agri-processing units forselected commodities with service support on custom hiring basis.	Establishment of 2 nos. of Agro-Agro-Processing Units at each KVK Operationalization of these 2 units with manpower support. Procurement of equipment and establishment of theunits with market facilitation.	• Each KVK will prepare a plan of action to set up 2 nos. of Agro-Processing Units • Approval of SLPAC • Carry out the new construction inside KVKs • Procurement of machineries, equipment and other logistics • Engage the required manpower on contractual mode and coterminous with project either directly or on outsourcing basis	
				• Operationalization of these 2 units on commercial scale • Sale of processed products under the brand name of 'OUAT Kalinga' • The units may be functionalized with service support on custom hiring basis.	

04	Establishment and operationalization of Farm Machinery Hub at 9 KVKs including 3 RRTTSs	To showcase a set of agricultural implements and machines To create awareness on farm mechanisation To provide custom hiring services.	Construction of Shed, Workshop and other infrastructure inside KVKs/ RRTTSs Procurement of machineries and provision of custom hiring.	• Preparation of an Action Plan for establishment of this unit. Two such models, one at location where KVK and RRTTS are co-existing i.e. University Campuses at Keonjhar and Dhenkanal and second one at other 7 KVKs & RRTTS, Chiplima have been included in this proposal • Approval of the proposal by SLPAC • Construction of infrastructure viz. machinery shed, workshop etc. • Procurement of machineries & equipment	

				• Engage the required manpower on contractual mode and coterminous with project either directly or on outsourcing basis • Operationalization of the farm Machinery Hub • The units may be functionalized with custom hiring of machineries.	

6.0 Framework of Activities and Budget for the Project

	Activities	Physical Target				Financial Budget (In Lakh Rs.)						
		Units size	Prog. Per center per annum	Prog. per annum	Total No. of programs	Exp. per Unit	Year 1	Year 2	Year 3	Year 4	Year 5	Total
A	**Capacity Building Interventions**											
1	Capacity building of farmers by 9 KVKs on various Agriculture, Horticulture, Livestock, Fisheries and agro-enterprises	20 per batch	10 (for 05 enterprises)	90	450	0.75	67.5	67.5	67.5	67.5	67.5	337.50
2	Capacity building of the field functionaries in Agriculture, Horticulture, Livestock, Fisheries and agro-enterprises at RRTTSs/KVKs	20 per batch	10 (for 05enterprises)	90	450	0.80	72.0	72.0	72.0	72.0	72.0	360.00
3	One-Year Certificate Course for Rural Youths on crops, fruits & vegetables, livestock& fisheries management	20 per bat ch	01	07	35	30.00	210	210	210	210	210	1050.00
4	Agri-Incubation and Entrepreneurship Development Program at University Hqs (2 Months)	10 per batch	NA	6	30	3.2	19.2	19.2	19.2	19.2	19.2	96.00
5	Agri-Incubation and Entrepreneurship Development Program at 9 KVKs (4 Months) @ 6 Incubates per KVK per annum	60 in 9 KVKs pa	NA	1 per KVK pa	5	28.80	28.8	28.8	28.8	28.8	28.8	144.00

6	Agri-Processing training programmes for farmers/ SHG/ Farmers' group leaders	20 Per batch	06	6	30	1.0	6.0	6.0	6.0	6.0	6.0	30.00
7	Sponsoring the farmers/ groups from 7 districts to exhibit their products and participate in fairs & exhibitions for exposure to entrepreneurship	1500-2000 farmer	NA	01	05	30.0	30.0	30.0	30.0	30.0	30.0	150.0
8	ParticipationofFarmerGroupsinNational,StateandDistrictlevelfairs	Lump sum	NA			5.00 per KVK per annum	45.0	45.0	45.0	45.0	45.0	225.0
9	Experience sharing, consolidation and cross earning programme for 2 days(2perannum)	40	NA	02	10	1.0	2.0	2.0	2.0	2.0	2.0	10.0
10	State Level orientation training and Client Interface programme for 1 day (once per annum)	40	NA	01	05	1.0	1.0	1.0	1.0	1.0	1.0	5.0
11	Web portal development, MIS, Geo-tagging of Assets	Lump sum	NA	NA	NA	65.8	65.8	-	-	-	-	65.8
	Sub-Total						**553.3**	**487.5**	**487.5**	**487.5**	**487.5**	**2473.3**

	Activities	Total Expenditure (In Lakh Rs.)		Financial Budget (In Lakh Rs.)					
		Fixed Cost	Operational Cost for 5yrs	Year1	Year2	Year3	Year4	Year5	Total
B	**Infrastructure Development**								
	At KVKs								
1	Construction/Renovation of Farmers Hostel, Conference Hall, administrative building irrigation, electricity, roads and others at 9KVKs								
a	KVK, Dhenkanal	230.00	50.00	150	80	20	20	10	280.00
b	KVK, Jajpur	200.00	50.00	130	70	20	20	10	250.00
c	KVK, Keonjhar	180.00	60.00	100	80	20	20	20	240.00
d	KVK, Mayurbhanja-I	230.00	50.00	150	80	20	20	10	280.00
e	KVK, Mayurbhanja-II	180.00	80.00	100	80	30	30	20	260.00
f	KVK, Sundargarh-I	230.00	50.00	150	80	20	20	10	280.00
g	KVK, Sundargarh-II	180.00	60.00	100	80	20	20	20	240.00
h	KVK, Jharsuguda	200.00	50.00	130	70	20	20	10	250.00
i	KVK, Deogarh	180.00	60.00	100	80	20	20	20	240.00
2	Establishment and operationalisation of ICT Centre at 9KVKs	500.00	145.00	400	100	60	60	25	645.00
3	Establishment of 2 nos. of CRSs	29.00	101.00	50	30	20	20	10	130.00
	Sub-Total	**2339.00**	**756.00**	**1560**	**830**	**270**	**270**	**165**	**3095.00**

	At RRTTSs								
1	Construction /Renovation of Conference Hall, administrative building, irrigation, electrification, roads, others at 3 RRTTS& 1 RRTTSs								
a	RRTTS, Dhenkanal	200.00	70.00	130	70	30	20	20	270.00
b	RRTTS, Keonjhar	170.00	80.00	100	70	30	30	20	250.00
c	RRTTS, Chiplima	140.00	30.00	100	40	10	10	10	170.00
d	RRTTSS, Kirei	70.00	20.00	40	30	7	7	6	90.00
2	Establishment and operationalisation of ICT centre at 3RRTTS	120.00	30.00	80	40	10	10	10	150.00
	Sub-Total	**700.00**	**230.00**	**450**	**250**	**87**	**77**	**66**	**930.00**
	At Agro-Polytechnic Centers & Colleges								
1	Construction and renovation of Hostel, Classroom, Practical Lab and other facilities at CoH, Chiplima & CoA, Bhubaneswar and 5APCs	750.00	300.00	500	250	120	100	80	1050.00
2	Establishmentandoperationalisation of ICT utilisationcentre5 APCs and 2 Colleges	250.00	100.00	150	100	35	35	30	350.00
	Sub-Total	**1000.00**	**400.00**	**650**	**350**	**155**	**135**	**110**	**1400.00**

	At University Headquarters								
1	Establishment and operationalisation of Food Processing Unit cumTraining Centre at University HQ	160.00	40.00	100	60	15	15	10	200.00
2	Establishment and operationalisation of Farmer Incubation & Entrepreneurship Development (FIED)Centre at University HQ	270.00	80.00	200	70	30	30	20	350.00
3	Establishment and operationalisation of Integrated ICT Lab (Nuclear Production Lab) at DEE with repair& renovations of Nodal Unit, development of Utilization Centers at Dir. Of Research, University Hqrs.	350.00	100.00	250	100	40	30	30	450.00
4	Strengthening of Project Implementation Unit at DEE with development of Net-working facilities viz. Net Server, Video Conferencing facility, A mini truck, Project Vehicle (Innova Crysta or equivalent), Wi-Fi connectivity, Remote Monitoring System, etc.	420.00	110.00	320	110	50	30	20	530.00
	Sub-Total	**1200.00**	**330.00**	**870**	**340**	**135**	**105**	**80**	**1530.00**

	Sub-Total Infrastructure Development	**5239.00**	**1716.00**	**3530**	**1770**	**647**	**587**	**421**	**6955.00**
	Activities	**Total Expenditure (In Lakh Rs.)**		**Financial Budget (In Lakh Rs.)**					
		Fixed Cost	**Operational Cost**	**Year1**	**Year2**	**Year3**	**Year4**	**Year5**	**Total**
C	**Development of Agro-Enterprise Units at KVKs and Commodity Specific 'Centre of Excellence' at RRTTS**								
	At KVKs								
1	Establishment and operationalisation of 6 nos. of Agro-Enterprise Units at 9KVKs								
a	**KVK, Dhenkanal** • Bio-flock &Fish Seed Production • Mushroom Spawn Production • Commercial Mushroom Production • Commercial Dairy Unit with perennial fodder production & silage making unit and provisioning Chaff cutter (manual / motorized, milking machine and shed cleaning pressure pump in farm machinery Hub. • Poultry Hatchery & Brooding Unit* • QPM of Fruits & Vegetables	152.00	85.00	100	50	30	30	27	237.00

b.	**KVK, Jajpur** • Vermi-compost & Vermi-culture • Commercial Mushroom & Spawn Production • QPM of Fruits, Vegetables & Flowers • Apiary • Bio flock & Fingerling Production • Poultry Hatchery & Brooding*	137.00	110.00	100	50	40	30	27	247.00
c.	**KVK, Keonjhar** • Poultry Hatchery & Brooding* • Goatery • Apiary • Bio flock& Yearling Production • Commercial Mushroom & Spawn Production • QPM of Fruits, Vegetables & Flowers	142.00	105.00	100	50	40	30	27	247.00

d.	**KVK, Mayurbhanja-I** • Bio flock& Yearling Production • Poultry Hatchery & Brooding* • QPM of Fruits, Vegetables & Flowers • Commercial Mushroom & Spawn Production • Apiary • Pig Farming	155.00	107.00	100	50	40	40	32	262.00

e.	**KVK, Mayurbhanja-II** • Maize & Maize Seed Production • Commercial Mushroom & Spawn Production • Apiary • QPM of Fruits, Vegetables & Flowers • Bio flock& Yearling Production • Poultry Hatchery & Brooding*	145.00	122.00	100	50	40	40	37	267.00
f.	**KVK, Sundargarh-I** • Vermi-compost & Vermi-culture • Commercial Mushroom & Spawn Production • Apiary • Bio flock& Yearling Production • Poultry Hatchery & Brooding* • QPM of Fruits, Vegetables & Flowers	137.00	110.00	100	50	40	30	27	247.00

g.	**KVK, Sundargarh-II** • QPM of Fruits, Vegetables & Flowers • Commercial Mushroom & Spawn Production • Poultry Hatchery & Brooding* • Vermi-compost & Vermi-culture • Apiary • Bio flock	126.00	94.00	100	40	30	30	20	220.00
h.	**KVK, Jharsuguda** • Duck Hatchery & Brooding • Bio flock& Yearling Production • Goatery • Commercial Mushroom & Spawn Production • Vermi-compost & Vermi-culture • QPM of Fruits, Vegetables & Flowers	127.00	116.00	100	50	40	30	23	243.00
i.	**KVK, Deogarh** • Commercial Mushroom & Spawn Production • Apiary • QPM of Fruits, Vegetables & Flowers • Vermi-compost &Vermi-culture • Goatery	137.00	103.00	100	50	40	30	20	240.00

	• Poultry Hatchery & Brooding*								
	Sub-Total	**1258.00**	**952.00**	**900**	**440**	**340**	**290**	**240**	**2210.00**

* With inclusion of indigenous birds if fertile eggs are available.

2	Farmers' Field Demonstrations of Technological Innovations in adopted villages of 9KVKs*								
a	KVK, Dhenkanal	NA	60.00	12	12	12	12	12	60.00
b	KVK, Jajpur	NA	60.00	12	12	12	12	12	60.00
c	KVK, Keonjhar	NA	60.00	12	12	12	12	12	60.00
d	KVK, Mayurbhanja-I	NA	60.00	12	12	12	12	12	60.00
e	KVK, Mayurbhanja-II	NA	60.00	12	12	12	12	12	60.00
f	KVK, Sundargarh-I	NA	60.00	12	12	12	12	12	60.00
g	KVK, Sundargarh-II	NA	60.00	12	12	12	12	12	60.00
h	KVK, Jharsuguda	NA	60.00	12	12	12	12	12	60.00
i	KVK, Deogarh	NA	60.00	12	12	12	12	12	60.00
	Sub-Total		**540.00**	**108**	**108**	**108**	**108**	**108**	**540.00**

*Field Demonstrations per KVK: Rs.20,000.00 per Demonstration X 10 Demonstrations per Enterprise per Annum X 6 Enterprises X 5 Years = Rs.60,00,000.00

3	**Establishment and operationalisation of Agro-Processing Units at 9KVKs**								
a	KVK, Dhenkanal • Milk Processing • Chatua &Oil Processing	75.00	20.00	50	25	10	5	5	95.00
b	KVK, Jajpur • Paddy Seed Processing • Vegetable & Groundnut Processing	70.00	21.00	50	23	8	5	5	91.00
c	KVK, Keonjhar • Fruits & Vegetables Processing • Honey Processing	60.00	10.00	40	15	5	5	5	70..00
d	KVK, Mayurbhanja-I • Paddy processing • Sabai Processing	70.00	15.00	50	20	5	5	5	85.00
e	KVK, Mayurbhanja-II • Underutilized F&V • Millet & Maize	80.00	15.00	50	30	5	5	5	95.00
f	KVK, Sundargarh-I • Mushroom processing • Honey processing	50.00	10.00	40	5	5	5	5	60.00
g	KVK, Sundargarh-II • Millet Processing • Fruits & Vegetable processing	62.00	10.00	45	12	5	5	5	72.00
h	KVK, Jharsuguda • Spice processing	60.00	10.00	45	10	5	5	5	70.00

	• Fruits & Vegetable Processing								
i	KVK, Deogarh • Mahua & Tamarind Processing • Agro processing (Vermi)	50.00	10.00	40	5	5	5	5	60.00
	Sub-Total	**577.00**	**121.00**	**410**	**145**	**53**	**45**	**45**	**698.00**

At RRTTS									
3	Establishment and operationalisation of Commodity Specific "Center of Excellence" at 3 RRTTSs & Colleges at Chiplima								
a	RRTTS, Dhenkanal	60.00	20.00	50	10	7	7	6	80.00
b	RRTTS, Keonjhar	60.00	20.00	50	10	7	7	6	80.00
c	RRTTS, Chiplima	60.00	20.00	50	10	7	7	6	80.00
d	Colleges at Chiplima • Centre of Excellence on Groundnut • Centre of Excellence on Fruits • Centre of Excellence on Poultry & Goatry	180.00	60.00	150	30	21	21	18	240.00
	Sub-Total	**360.00**	**120.00**	**300**	**60**	**42**	**42**	**36**	**480.00**

At 9 KVKs & 3 RRTTSs									
1	Establishment and operationalisation of Farm Machinery Hub at 9 KVKs & 3 RRTTS								
a	Plan-A (For common University Campus at Dhenkanal & Keonjhar)	217.40	56.00	150	67	20	20	16.4	273.40
b	Plan-B (For 7 KVKs & RRTTS, Chiplima)	548.80	224.00	400	148	80	80	64.8	772.80
	Sub-Total	**766.2**	**280**	**550**	**215**	**100**	**100**	**81.2**	**1046.20**

	Sub-Total of C Component (Agro-Enterprise Units, Centre of Excellence, Farm Machinery Hub & Others)	**2961.2**	**2013**	**2268**	**968**	**643**	**585**	**510.2**	**4974.2**
	Total of A + B + C			**6351.3**	**3225.5**	**1777.5**	**1659.5**	**1418.7**	**14402.5**
	Institutional Charge of the University (2 %)								**288.05**
	Grand Total								**14690.55**

7.0 Key Deliverables

Sl. No.	Project Component	Key Deliverables
		Quantity (Nos.)
1.	Capacity building of farmers	9000
2.	Capacity building of the field functionaries	9000
3.	Empowering rural youths for skilling & entrepreneurship through One-Year Certificate Courses on Agri, Horti, AH & Fisheries	700
4.	Incubation of Agro-Entrepreneurs	300
5.	Individual farmers, SHG & FPO leaders to be trained under Agri-Processing Dev. program	600
6.	Agro-Enterprise Units at KVKs	72
7.	Model Villages with 'replicable units'	45 villages with 270 Units
8.	State Level Farmers' Products Exhibition and Fair	05
9.	Farmer Groups members to participate in National, State and District Level fairs	1350-1500

Annexure-I

Infrastructure at KVKs

Name of the KVK	Farmers' hostel & Guest house	Conference hall & Training Hall	Administrative building & Others	Electrification & Others	Irrigation	Road, Land Development & Others
KVK, Dhenkanal	• Renovation of existing one (Tile Flooring, Colouring, Replacement of doors and windows, Furnishing and other repair works), development of open dinning space for 200 persons as the second floor by constructing a shed with tile flooring, provision of aluminium mess on four sides over 3ft. side brick wall, a small store, electrification, water supply, wash basins, toilets and other required accessories / furnishings and provision of two external stair cases from two sides of the building directly to the dinning hall • Guest House	• Conference Hall: New construction of 310 sqm. over the proposed Adm. Building (2nd floor)	• Admin Building : Addition of 150 Sqm. to the existing one • Sales Counter	• Transformer (63 KVA) • LT/HT(3 ph, 4 wire) Extension (1000 m) • Internal electrification • Battery Operated Vehicle • Silent Genset	• Deep Borewell- 2 no. • Irrigation & water supply system (600 m) • Pump House • Drainage Channel (1017 m)	• Land Development • CC Road (Only front portion) (477 m x 6 m x 0.304 m) • Moorum road (Farm road): 930m x 6m x 1.2 m • Culvert-1 (12m x 6m) • Culvert-2 (6m x 4m)

KVK, Jajpur	• Farmers Hostel Renovation-2 Nos • Farmer Hostel Extension -800 Sft.	• Training Hall-2500 Sqft	• Renovation of Admin Building-2200 Sft • Godown Renovation-1700 Sft • Extension of Threshing floor with store room-400 Sft • Sale Counter-200 Sft. • Garage- 500 Sft.	• Transformer-I no. • Cabling - 2 Km • Inside KVK electrification- 3 Km	• Deep Borewell- 3 nos. • Irrigation system (New) • Repair of Irrigation System • Pump House	• Land development-6 ha • Border Farm Road (Morum)-2 Km • Inside Farm Road-2 Km
KVK, Keonjhar	•Farmers Hostel-Renovation	• Conference Hall-Furnishing	• Admin Building Renovation • Sales Counter-1 No.	• Electrification-2Km	• Deep Borewell-2 Nos. • Water Tank-1 No • Rain Water Harvest –Treatment, Terracing & Water Harvest Structure	• Land Development-4 ha • Boundary wall-1.5 Km • Watch Tower-cum storage Godown-1 no

KVK, Mayurbhanja -I	Extension & renovation of Farmers hostel	• Conference Hall (30 capacity): Fan, Sound system, AC, Chair, Chair, Table, Inverter Projector, Light • Mega Conference Hall (100 capacity) Fan, Sound system, AC, Chair, Chair Table, Inverter Projector, Light	• Extension & renovation of admin-building • Sales centre-1 No. • Security Camera-1 Set	• Solar Street Light-20nos • Street light with electrification-30 nos • Transformer- 60KVA	• Bore well with Submersible Pump Set with electrical equipment- 5HP-2 Nos. • Pump house-2no. • 4' Piping- 2 Km.	• Land Development of pond bund area with weir fencing- 0.5 Ac • Main Road with side development-150mt • Farm Land Road-1100mt • Repair of Boundary wall-30ft. • Watch Towers.
KVK, Mayurbhanja -II	• Farmer's hostel (Cottage like structure) • Furniture and fixtures for farmer's hostel	• Furniture and furnishing of conference room and training hall	• Renovation of upper floor of administrative building for creating conference room and training hall	• 63 KVA transformer installation- 1 unit • LT line- 22 poles • Electric light for pole and outer electrification with accessories and fittings • Alternate energy source (Solar and wind turbines hybrid system), 5 kW-1Unit	• Irrigation cum drainage line-975 mt. • Bore well (5 hp motor, 8 inch boring, 12 inch casing)-1 No. • Bore well (3 hp motor, 5 inch boring, 7 inch casing)-1 No. • Water tank cum watch tower, 50000 lt capacity-1 No • Water supply to different units from water tank (Pipe and fitting etc.) • Renovation of existing dug well used for irrigation	• Metalic murum road (length -550 m,width-3.65 m, depth-0.075m) • Metalic murum road (length-400 mwidth-2.43 m, depth-0.075m) • Murum road, width-1.22 m • Soil dressing for road (length-400 m, width-2.43 m)

KVK, Sundargarh-I	• Farmers Hostel Renovation with tile mounting (3500sqft) (Extension- 800 Sft.) • Renovation of Guest room with AC, Furniture • Renovation of Balcony for Lounge with Furniture	• Training Hall-2500Sft.(New) with 150 capacity and fraction with one store room, one Lavatory and one Guest sitting room • LCD Projector with screen- 1 Unit • LED TV- 55 Inches • AC (1.5 Ton)- 8 Unit • Furniture and Furnishing	• Renovation of Admin Building-2200 Sft. • Godown Renovation- 1700 sft • Extension of Threshing floor with store room-400 Sft. • Sale Counter- 1 no. • Covered Garage for Bolero • Vehicle Shed- 500 Sft. • Amphitheatre-1 No	• Transformer- 1 no. • Cabling Kirei to KVK- 2 Km • Inside KVK electrification-3 Km • Provision of Earthing (7nos)	• Deep Borewell-1 no. • Irrigation system-15 Ac. • Repair Irrigation system- 5Ac. • Sump with Pump- 1 No. • Solar pump-1(for Hostel)	• Land Development-6 Ha. • Border Farm Road (Morum)- 2 Km • Inside Farm Road- 2 Km(Pacca road)
KVK, Sundargarh-II	• Farmers Hostel two storeyed- 3500 Sft.	• Conference Hall-2000 Sft	• Sale Counter- 500 Sft. • Storage godown-1000 Sft. • Threshing floor- 2000 Sft.	• External Electrification :Transformer+ 3 phase Electric Line- 1 Unit	• Construction of Borewell + Drainage channel,Pipeline,2 no of Sump, 2 pump house – 2 Units	• Land Levelling-9.5 Ac • Permanent Pucca Road-600 mt.

KVK, Jharsuguda	• Grading of roof • Of existing farmers' hostel- 1900 Sft. • Repair and Renovation of existing farmers hostel (Door(14), window(32) , tiles mounting and roofing of 220 sq. ft.) • Furniture - Almirah(6), Cot (30), Mattress (30), Pillow (30) etc , • Repair of lavatories sewerage system • LED TV- 1	• Existing Conference Hall- 60X40 Sft • Gallery system with chair and dais- 160 sitting capacity • Acoustic- 4200 Sft • LCD Projector with screen- 1 Unit • LED TV- 55 Inches • Audio Conference System- 1 Unit • AC (2 Ton)- 8 Units • Construction of training hall double storeyed- 40 X 30 Sft • Dias and Chair • Almirah and Rack • Audio conference system- 1 Unit • LCD with Projector- 1 Unit • LED TV-2 Nos • Inverter AC- 6 Nos.	• Administrative Building: Grading of roof- 3300 Sft. • Renovation of Lavatories- 4 Nos. • Repair and Colouring (Window, Wall ,Door)- • 30 window, 12 doors etc) • Main gate with cow catcher= 1 Unit • Mesh wired fencing with gate- 110 Mt. • Construction of sale counter- 20 X 25 Sft • Construction of Godwon shed- 40 X 30 Sft	• Setting up of Transformer- 100 KVA – I unit • External Electrification with light- 600 mt • Internal Electrification – 8 Units • Farm lighting (Solar)- 4 Units • Silent Digiset with shed house- 50 KVA	• Sprinkler- 1.2 ha • Borewell with fitting -2 Nos. • Water supply system for existing borewell- 4 Nos. • Overhead tank- 3 Nos. • Drainage channel (RCC)- 1000 Mtr • Renovation of RWHS – 2Nos.	• Land development – 2 Ha. • Approach Road (CC)- 600 Mt • Morum Road with sub base besides boundary wall- 600 Mt

KVK, Deogargh	• Construction of Farmers' Hostel -3000 Sft. • Construction of Guest House- 900 Sft.	• Construction of Conference Hall - 2500 Sft.	• Renovation of administrative building- 1000 Sft.	• Internal electrification with electric pole with overhead cable, LT panel box & street light inside the entire campus • Transformer- 1 No. • D.G Set- 1 No. • Solar light with solar panel	• Sinking and commissioning of 8" X 6" Bore well with loading by ODEX Rock drilling machine- 3 Nos. • Pump House and rest shed- 3 Nos. • Irrigation systems • Renovation existing water harvesting structure	• Land development – 40 Ac. • Moorum road of length 2500 mtr inside the campus

*The proposed infrastructures are tentative in nature. Based on the actual field situation, few items may be added/ deleted.

Annexure-II

Infrastructure at RRTTS

Name of the RRTTS / RRTTSS	Conference hall & Training Hall	Administrative building & Others	Electrification & Others	Irrigation	Road, Land Development & Others
RRTTS, Dhenkanal		• Addition to existing building with conference • Vehicle Shed • Field Store cum Watchmen Shed	• Transformer (100kva)) • LT/HT(3 ph, 4 wire) Extension (1500 m) • Internal electrification • DG Set	• Deep Borewell- 2 no. • Irrigation & water supply system (800 m) • Pump House- 2nos. • Over head tank in the field(20000 Lt) 6mx3mx1.2m	• Land Levelling- 4 Ha • Farm Road Morrum(1400mx6mx1.2m) • CC Campus road (477MX6MX0.3M)) • Culvert(big) • Culvert(Small) • Drainage channel
RRTTS, Chiplima	• Renovation of Conference Hall	• Renovation and Extension of Administrative Building	• Support for Electrification	• Support for Irrigation System	• Development of Land, roads & other infrastructure
RRTTS, Keonjhar	• Furnishing of Conference Hall (Table, chair, AC, Audio visual, power backup, etc)	• Renovation and Extension of Administrative Building - Grading- 1200 Sft - Flooring/ file- 1000 Sft - Colouring- 6000 Sft - Electric wiring, Doors & Window renovation • New Administrative building construction	• Transformer- 100 KVA • Extension 3 phase LT line with pole and cable	• Renovation of farm pond with stone patching (2 nos.) - 55m X 100mX1m - 60m X 60m X 1m • GI pipe line connection (3”)- 1500 mt. • Pump house • Water pump (5 hp)	• Land development- 8 Ha. • Black top road from main gate to Baghia unit- 1000m X 3m • Metaling road- 500m X 3m • Iron gate for research block (2 nos.)- 4m X 3m • Chain link fencing- 500m • Extension of threshing floor- 100 sq m

		(2 storied)- 2530 Sq. Ft. • Furnishing of office (like Ac, Table, Chair, etc) • Farmers Hostel New (2 storied)- 2400 Sft			
RRTTSS, Kirei	• Furnishing of Conference Hall (Table, chair, AC, Audio visual, power backup, etc)	• Renovation of Watch shed - Grading- 1200 Sft - Flooring/ file- 1000 Sft - Colouring- 3000 Sft - Electric wiring, Doors & Window repair • New Administrative building construction (2 storied)- 2530 Sq. Ft. • Furnishing of office (like Ac, Table, Chair, etc)			• Land development- 2 Ha • 2 Nos. of Watch Towers

*The proposed infrastructures are tentative in nature. Based on the actual field situation, few items may be added/ deleted.

Annexure-III

Infrastructure at APC

Name of the APC	Rural Youth hostel	Class Room Construction & Renovation	Practical Lab	Others
APC, Dhenkanal	• Construction of 1nos of hostel (for Boys)- 2nd floor of boys hostel 53 ft X 45 ft. • Construction of 1nos of hostel (for Girls)- 2nd floor of Girls hostel of 44 ft X 52 ft		• Construction of Agriculture Laboratory- 1no.	
APC, Chiplima	• Construction of hostel- 1 No.	• Construction of classroom- 1 No.	• Construction of Animal Science Laboratory- 1 no.	
APC, Deogarh	• Construction of hostel (Boys)- 1 No.	• Construction of classroom with college main gates-1 No.	• Construction of Agriculture Laboratory- 1 no.	
APC, Rangeilunda	• Construction of hostel of size 50 ft. X 60 ft. (for Boys) – 1 No • Construction of hostel of size 50 ft. X 60 ft. (for Girls) – 1 No (With all required furniture, DG set, TV, water purifier, washing machine, mess utensils, etc.)	• Construction of classroom of size 30 ft. X 40 ft - 1 No. With all furniture and equipment (1st floor of new construction)	• Construction of Fish Processing Laboratory of size 30 ft. X 40 ft.- 1 no (Ground floor of new construction) (With Fish processing table, fish deboner, refrigerator, deep freezer, fish dryer, weighing balance, vacuum packaging machine, canning equipment, fish processing equipment, utensils, etc)	• Construction of Computer laboratory of size 30 ft. X 40 ft. – 1 no (2nd floor of new construction) (With all facilities for computers/ AC/Audio-visual aids) • Bore well/ pump house for water supply and electrification of new buildings

APC, Keonjhar	• New Construction Boys' Hostel 40 ft. X 40 ft. with Furniture and accessories • New Construction Girls' Hostel 40 ft. X 40 ft. with Furniture and accessories	• New Construction of Class room 36 ft. X 36 ft. with Furniture & accessories	• New Construction of Computer Lab of size 36 ft X 36 ft • Furniture and accessories (computer, computer table and chair, air conditioner, projector, projector screen, DG set, Instructor table & chair, etc.)	• Bore well, Sump, pump house

*The proposed infrastructures are tentative in nature. Based on the actual field situation, few items may be added/ deleted.

Annexure-IV

Infrastructure at Colleges

Name of the Colleges	Rural Youth hostel	Class Room Construction & Renovation	Practical Lab
College of Agriculture, Chiplima	• Renovation of existing OUAT quarters to be used as rural youth Hostel	• Renovation of Classrooms	• Renovation of practical laboratories
College of Horticulture, Chiplima	• Construction of rural youth hostel	Renovation of Classrooms	• Renovation of practical laboratories

Annexure-V

Infrastructure at University Headquarters*

Sl. No.	Infrastructure	Number of Units
01	Construction of Shed for Food Processing Unit (2000Sft.)	01
02	Purchase of food processing equipments namely; - Dal Processing machineries - Millet Processing machineries - Mushroom Processing machineries	03
03	Construction of Farmers Incubation & Entrepreneurship Development (FIED) Centre (8000 Sq.ft.)	01
04	Furnishing of Farmers Incubation & Entrepreneurship Development (FIED) Centre (8000 Sq.ft.) with state of art facilities	01

Infrastructure for Project Implementation Unit (PIU)*

Sl. No.	Infrastructure at Project Implementation Unit	Number of Units
01	Reconstruction & renovation of State Project Unit 2000 Sft.	01
02	Construction & Furnishing of a Conference Hall of 150 Capacity (2500 Sft.)	01
03	Construction & furnishing of Training Complex (Training Hall & 4 Syndicate rooms, Staff Rooms, Store Room, Toilets) - 3000 Sft.	01
04	Construction of Nuclear Production Lab (NPL) & setting up ICT infrastructure & Mobility including Net Server, Video Conferencing, Wi-Fi Connectivity, Project Vehicles and others	01

***The project may add / delete the list of infrastructure during its implementation with approval of SLPAC**

Annexure-VI

GOVERNMENT OF ODISHA
DEPARTMENT OF AGRICULTURE & FARMERS' EMPOWERMENT
*****

No.DAFE-AP II-MISC-0006-2021/18912 **/A&FE., Dated** 23-09-2021

From

Sri Rama Chandra Jena, OAS (SAG),
Addl. Secretary to Government

DIRECTORATE OF EXTENSION EDUCATION
No. 4405
Dt. 23-9-21
OUAT, BBSR

To

The Dean, Directorate of Extension Education,
OUAT, Bhubaneswar

Sub: Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing Districts of Odisha.

Ref:- Letter No.501 dated 04.08.21 of Director, PME,OUAT

Sir,

In inviting a reference to the subject noted above, I am directed to send herewith a copy of letter No. 11483 dated 14.09.2021 of Special Secretary to Govt., Fisheries & ARD Deptt. and letter No. 3146 dated 24.08.2021 of M.D, APICOL containing their views on the DPR relating to the project "Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing Districts of Odisha" for necessary consideration at your end and to request you to re-submit the DPR within a week positively for onward transmission of the same to OMBADC.

Yours faithfully,

23/09/21.

Addl. Secretary to Government

URGENT
EMAIL

GOVERNMENT OF ODISHA
FISHERIES & ARD DEPARTMENT

No. 11483 / FARD, Dt. 14/09/2021
File No. FARD-MC-MEET-0004-2019

From,

Shri Biswa Mohan Ray , OAS (SS)
Special Secretary to Govt.

To,

Addl. Secretary to Government
Department of Agriculture & Farmers' Empowerment

Sub: Detail Project Report for the project titled "Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing District of Odisha".

Ref: Your Deptt. Letter No.15818/A&FE, Dt.17.08.2021

Sir,

In inviting a reference to the subject cited above, I am directed to furnish herewith the required information along with the considered views in respect of Fisheries and ARD Department Govt. of Odisha for information and necessary action.

Yours faithfully
14.09.2021
Special Secretary to Govt.

Memo No. 11484 /FARD dt. 14/09/2021

Copy along with its enclosure forwarded to Director of AH & VS/ Director of Fisheries, Cuttack, Odisha for information and necessary action.

14.09.2021
Special Secretary to Govt.

Memo No. 11485 /FARD dt. 14/09/2021

Copy along with its enclosure forwarded to Addl. Secy., Vety. Plan/ Under Secy., Fishery Plan Section of this Department for information and necessary action.

14.09.2021
Special Secretary to Govt.

There is no overlapping of proposed project with any of the exis projects / schemes under Fisheries & ARD Department. However, fev suggestions are placed below as livestock and Fisheries sector plays a crucial role in enhancing livelihoods of local youth and farming community.

Page No. 19:

Agro Enterprise unit :

Perennial fodder with silage making unit may be added.

1)Composite fish farming 2) Poly Culture of Carp Mola / Poly culture of Carp-Freshwater prawn, 3)Freshwater Fish seed hatchery

Agro processing unit -

Poultry meat processing and value addition may be added.

Fish and prawn processing and value addition may be added

Page – 20:

Establishment & Operationalization of Farm machinery Hubs at KVKs / RRTTs

- Some farm equipment's used for commercial Poultry and Livestock farming can be included.

Page No 23:

Development of commodity specific "Centre of Excellence " at RRTTS

- Local indigenous Poultry breeding farm may be added in KEONJHAR RRTTS

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ଓଡ଼ିଶା କୃଷି ପ୍ରୋତ୍ସାହନ ଓ
ପୁଞ୍ଜିଲଗାଣ ନିଗମ ଲିଃ
(ଓଡ଼ିଶା ସରକାରଙ୍କର ଏକ ସଂସ୍ଥା)

APICOL
The Agricultural Promotion and
Investment Corporation of Odisha Ltd.
(A Wholly owned Corporation of the Government of Odisha)

Ref. No. 3146 /APICOL, Dated the 24th August, 2021

From

Dr. Pravat Kumar Roul
Managing Director

To

The Additional Secretary to Government
Agriculture Policy-II Section, Agriculture & FE Department
Odisha, Bhubaneswar

Sub: Detailed project Report for the project titled "Capacity Building, Skilling, Agro-Enterprises and Entrepreneurship Development in the Mineral Bearing Districts of Odisha".

Sir,

In inviting a reference to the Govt letter No. 15818/ A & FE dt. 17.08.2021 on the subject cited above, it is to inform that Agriculture Entrepreneurship Promotion Scheme (AEPS) is being implemented through APICOL in the district and blocks mentioned below where agri-enterpreneurs will be selected, imparted training and incubated for 10 months which has some similarity with the proposed project.

Sl.No	Districts	Name of the Block covered under AEPS
1	Mayurbhanj	Jashipur, Karanjia, Thakurmunda, Khunta
2	Keonjhar	Jhumpura, Patana, Banspal, Harichandanpur, Keonjhar sadar
3	Dhenkanal	Kankadahad
4	Jharsuguda	Laikera, Kulabira

As it is difficult to get the required number of Agriculture Entrepreneurs under AEPS, it is submitted that the above blocks may be differed in the new project to be implement by OUAT and also to prevent duplication of entrepreneurs.

Yours faithfully,

24/08/2021

MANAGING DIRECTOR

Memo No. 3147 /APICOL, Dated the 24th August, 2021

Copy to the Director of Planning, Monitoring and Evaluation, OUAT for information w.r.t. Memo No. 15819/A&FE Dt. 17.08.2021.

24/08/2021

MANAGING DIRECTOR

Rasramunda, Bhubaneswar-751 003, Odisha (India), Tel : 91-674-2354125, Fax : 2354006
ରାସମୁଣ୍ଡା, ଭୁବନେଶ୍ୱର-୭୫୧୦୦୩, ଓଡ଼ିଶା (ଭାରତ), ଫୋନ୍ ନଂ - ୯୧-୬୭୪-୨୩୫୪୧୨୫, ଫ୍ୟାକ୍ସ : ୨୩୫୪୦୦୬
Website : www.apicol.nic.in, Email : apicol96@yahoo.com

Response of Odisha University of Agriculture and Technology (OUAT), Bhubaneswar on the Feedback received for the Project entitled "Capacity Building, Skilling, Agro-Enterprise Models and Entrepreneurship Development in the Mineral Bearing Districts of Odisha"

Part A: Response to Feedback from Dept. of F&ARD, Govt. of Odisha

Sl. No.	Feedback	Response of OUAT
01	Agro-Enterprise Unit Perennial Fodder with silage making unit may be added	Agreed Perennial Fodder with silage making unit will be added at KVK demonstrating "Commercial Milk and Heifer Production Unit" within the budget provisioned in the said sub-component. e.g. KVK, Dhenkanal (Addressed at page 51)
02	Agro-Enterprise Unit • Composite Fish farming • Polyculture of Carp Mola • Polyculture of Carp Freshwater Prawn • Freshwater fish seed hatchery	In the present form cannot be accommodated in the present proposal. Since the demonstrating units at KVKs will primarily focus upon Bio-flock & Fish Seed Production/ Fingerling & Yearling Production to supply quality seed materials to the farmers of the district; hence the scope for composite fish farming and polyculture are anachronous and do not fit into the 'scheme of things' proposed under the project. However, this component will be taken up in some other projects.
03	Agro-Processing Unit • Poultry meat processing and value addition may be added • Fish and prawn processing and value addition may be added	In the present form cannot be accommodated in the present proposal. Since the commercial poultry meat and fish & prawn production have not been included in the project proposal; hence, the processing units cannot be accommodated.
04	Establishment & Operationalization of Farm machinery Hubs at KVKs and RRTTSs • Some farm equipment's used for commercial Poultry and	Agreed The chaff cutter (manual / motorized), milking machine and pressure pump for cleaning of cow shed will be included in the KVK

	Livestock farming can be included.	demonstrating "Commercial Milk and Heifer Production Unit" e.g. KVK, Dhenkanal (Addressed at page 51)
05	Development of commodity specific "Centre of Excellence" at RRTTS • Local indigenous Poultry breeding farm may be added in Keonjhar, RRTTS	Agreed The project has conceptualized establishment of "Poultry Hatchery & Brooding Unit" at 7 KVKs, wherein day-old and 14 days brooded poultry will be produced mostly on colored and multi-purpose type. The indigenous poultry birds will also be considered based on availability of fertile eggs. However, the agri-commodities selected for establishing "Centre of Excellence" at 3 RRTTS are in consonance with approval of Government & Board of Management of OUAT and due diligence had been made before finalization.

Part B: Response to Feedback from APICOL, Dept. of Agril. &FE, Govt. of Odisha

Sl. No.	Feedback	Response of OUAT
01	As it is difficult to get the required number of Agriculture Entrepreneurs under AEPS, it is submitted that the 12 blocks in 4 project districts namely Mayurbhanja, Keonjhar, Dhenkanal and Jharsuguda may be differed in the new project to be implement by OUAT and also to prevent duplication of entrepreneurs	Agreed There is no duplications between the Entrepreneurs under AEPS & OUAT project proposal. This project proposes skilling, capacity building, incubation and hand-holding for entrepreneurship. However, Duplication if any will be avoided.