

## **Draft Proceeding of the 17<sup>th</sup> Scientific Advisory Committee Meeting**

### **KVK, Malkangiri**

The 17<sup>th</sup> Scientific Advisory Committee (SAC) meeting of KVK, Malkangiri commenced on date **20<sup>th</sup> January 2022 at 10.30 AM** .in virtual and offline mode at KVK, Malkangiri training hall under the chairmanship of Dr P.J. Mishra, Dean Extension Education , OUAT, Bhubaneswar and Chief Guest Dr K S Das , Principle Scientist, ICAR-ATARI, Kolkata and Dr P Sial , Associate Director of Research Similiguda as guest of honour. Dr. Samir Ranjan Dash, Senior Scientist & Head, brief welcome to the Honorable Chief Guest, Chairman and the SAC members. After a brief introductory remark about the functioning of KVK and participation of members in the meeting, the Chairman invited the Senior Scientist and Head to start the proceeding as per the agenda and action taken report( ATR) based on last SAC recommendation was presented by Senior Scientist and Head.

#### **Agenda-1: Approval of the proceedings of last SAC meeting**

The Senior Scientist and Head stated that the proceeding of the last SAC meeting was circulated to all the members. He also presented the proceeding and Action taken report in brief. The chairman taking the consent of the members approved the proceeding.

#### **Agenda-2: Action taken on the proceedings of the 16<sup>th</sup> SAC meeting**

The Senior Scientist and Head presented various actions taken by the KVK as per the recommendation of tenth SAC meeting such as:

Sl no	Recommendation	Action taken
1	In varietal Trails farmer's preference should be incorporated and emphasis should be given to traditional crops like millet and PHT aspects should be taken care to minimize the post harvest loss and to enhance the quality of the produce for getting higher market price	FLD conducted on Finger Millet (Var Arjun in Pedawada Dariguda, Tamasa in Kharif- 2021 in an Area of 2.0 ha . FLD on Power operated Ragi thresher cum pearler in Vilage Tarlakota , Korkunda block conducted (27 no Ragi thresher demonstrated to SHG through OMM ) Mahua collection by Shade net to minimise post harvest loss and drudgery reduction demonstrated in 10 numbers of farmers field.

2	KVK should Conduct trials on land based situations and emphasis should be given on Promotion of IFS Units and Climate Resilient Agriculture Practices	<p>On farm trials on Assessment of Upland Paddy in Kharif 21(Mandakini , CR Dhan-202 and CR Dhan-200 ( Pyari ) , Stress tolerant rice var Pyari recorded avg. yield (43.0q/ha)</p> <p>Climate resilient variety Groundnut (Dharani 10.0 ha) ( avg. yield 21.2 q/ha), Arhar var PRG - 176 (5.0 ha ) demonstrated ( avg. yield 12.5 q/ha)</p> <p>Awareness programme (4 nos) on Jala Shakti Abhiyan and Plantation programme in Collaboration with IFFCO. ( 220 farmers )</p> <p>6 nos of IFS unit developed in Adopted villages and one in KVK , Promotion of IFS in convergence mode ( Farm pond Plus-14 no in adopted villages )</p>
3	Capacity development programme on Mushroom cultivation & Vermicompost production for skill development should be conducted by KVK for income generation of tribal farmers and SHG members	<p>Three Trg prog on Mushroom cultivation imparted in Mathili and Korkunda for WSHGs (50 farm women ) under Mission Shakti with collaboration with DDH Malkangiri . Six nos WSHG are growing mushroom with support from Mission Shakti .</p> <p>Demonstration of Vermicomposting unit (20 no) in Pedawada and MPV-6 and conducted two on campus training programmes for rural youth (40 participants ) (Two farmers are producing as commercial basis .) (Rs 2.5 lakh Annual turnover of Biswajit Sardar )</p>
4	Input Dealers Training Programme should be organised at KVK, Malkangiri for their knowledge up gradation	Certificate course for Insecticide Dealers conducted (12 days ), Participants – 40 from five blocks from Jan 2021 to March 2021 in collaboration with NIPHM, Hyderabad
5	Demonstration on paddy var. Hasanta in different locations should be taken up for validating the performance in different (AES) of the district.	Paddy Var Hasanta demonstration in 5.0 ha in Malkangiri and Korkunda Farmers to farmer seed chain ( Area expansion -120 ha ) Farmer involved in seed production 55 nos
6	KVK should function in convergence mode with line depts, OMM , OLM and NGOs to increase the outreach of the technical activities in	<p>Papaya Var Pusa Nanha, Vinayak and Red lady (3500 sapling) and Drumstick Var PKM-1 and Dwarf Moringa (2550) distributed through ATMA under IFS scheme .</p> <p>Linkage and technical support to NGOs like</p>

	the district.	<p>Harsha Trust, Paribartan and Wassan ,OLM, OMM.</p> <p>Six nos FPO formation With Support of NABARD and Odisha Millet Mission (OMM) at Chitrakonda and Khairput block.</p> <p>Capacity development programme for Extension Functionaries and CRP members on Micro Planning at Badapadar in Swabhiman Anchal Chitrakonda through OMM under project (SETU) Socio-Economic Transformation and Upliftment.</p>
7	KVK should function in convergence mode with line dept to increase the outreach in the district .	<p>Linkage with Agril Dept , Dept Hort (08 nos of joint field visit ) , Animal Resource Dept, ATMA( Farmer-Scientist interface (2 nos), OMM, Plantation programme with NABARD ( Manyabkunda ) , Go Samvardhana Utsav with AH dept conducted , RE meeting conducted( 7 Nos ) ) , Strategy meeting and ATMA GB meeting , Technical support by KVK and Joint monitoring( three blocks)</p> <p>Celebration of world Fishery Day and working Under SETU project in Chitrakonda block ( 3 TRG programmes and demonstration of Kalinga Raj Hybrid Maize of area 5.0 ha has been taken up )</p>
8	KVK should take some on and off campus activities and Trials on spices like Turmeric, Ginger, flowers of local demand, fruit crops with installation or demonstration of micro irrigation with focus on more crops per drop	<p>Capacity development prog (40 farmers ) on Rhizome treatment in turmeric in Swabhiman Anchal , Establishment of Black turmeric unit and Turmeric Unit Var-Roma in KVK Campus</p> <p>Popularization of Papaya var Pusa Nanha, Red lady (3620 nos) and Drumstick Var-PKM -1 and Dwarf Moringa ( 3500 nos) through IFS scheme under TSP</p> <p>Micro irrigation system ( Drip ) of 1.0 ha installed in Mango orchard in KVK under KKA.</p>
9	Backyard Poultry Kadaknath should be taken up under TSP programme for income generation among the tribal farmers	<p>Demonstration poultry chicks 540 Kadknath under TSP in village Tamasa, MV3,MV-4, Thakurpalii, Pradhaniguda. Avg body wt 2.2 kg / bird at eight months ( 360 farm families adopted )</p>
10	KVK should conduct assessments programme on suitable Air breathing fishes as there is high market demand of these species in the district	<p>Assessment of Different Methods of Fish Culture in Small Seasonal Pond,</p> <p>Stocking of Desi Magur @ 10000 per ha, IMC &amp; Common carp @ 2500 per ha + Desi Magur @ 2500 per ha</p>

		( OFT conducted in Villages -Boilapari, Pradhaniguda , Pedawada ) Net Return Rs 2.48 lakh/ha with B: C ratio 3.15
11	Waste land development programme i.e. restructuring of land for fish and vegetable cultivation. Training for the farmers regarding seed production of different crops like HYV rice and finger millet, so that farmers can be able to fulfill their own domestic seed demand in the district.	Three nos. Training and monitoring programmes organised for Watershed development members in Khairiput ,Kalimela and Chitrakonda Block in collaboration with NABARD in ( Watershed development activity) / Ground Truthing for Agro forestry suitability NITI- AF at 22 locations of Makangiri district in all blocks . Seed production of Hasanta by the farmers (35 nos) are taking seed production of paddy . (280.0 q) Farmer to Farmer seed chain established .
12	Development of entrepreneurs on Fishery, Vermicomposting and other sectors should be taken up by KVK formulation and linkage with Financial institutes should be facilitated .	Sri Biswajit Sardar, Vermicomposting, Village- MV6. ( turn over Rs. 2.5 lakh per annum ) Sri Sri. PARITOSH BISWAS, Village – MV-7, GP- Tamasa, Pond based IFS Rs. 8.0 lakh/ Annum Mr Santi Ranjan De Village MV–9, Fish farmer , Fish fingerling production . Annual income Rs. 25.0 lakh in 2021
13	Statistical analysis should be followed in drawing conclusion in OFT and FLDs. Research Paper/Success story documentation.	110 nos. of DFI success stories documented Statistical Analysis of OFT and FLD results done by OPSTAT & SPSS 3 nos. Research papers published in peer reviewed and NAAS rated Journals 1 nos of success story on seed production of DESI MAGUR has been published in Journal

### **Agenda-3: Achievements made by the KVK during the reporting period**

Dr. Samir Ranjan Dash, Senior Scientist & Head presented the overall achievements made by the KVK during the period Rabi, 20-21 and Kharif 2021 as well as progress of Rabi 2021-22. He informed the house that KVK has conducted 47 nos. of training programmes involving 1860 participants. The chairman discussed on the performance and feedbacks received from the members were mentioned in the action points.

### **On Farm Testing and Front Line Demonstration:**

KVK has conducted 13 nos. of OFTs involving 95 nos. of farmers, 26 nos. of Front Line Demonstrations involving 364 nos. of farmers including special FLD Mushroom cultivation, backyard Poultry , .distribution of low cost agri implements for drudgery reduction , under tribal sub plan(TSP).

The chairman and all the members appreciated the KVK for successful implementation of different activities under TSP program.

### **Other extension activities:**

KVK has organized 01 nos. of Kisan Mela, published 02 nos. of extension literature, 06 nos. news paper coverage and 4nos of special extension activities like Swatch Bharat Abhiyan, Mahia Kishan Diwas, World fisheries day,Agri Education Day and two numbers of Farmer Scientist Interaction in collaboration with ATMA, Malkangiri and A total four numbers of sponsored training programmes has been conducted during this period.

### **Agenda-4 Action Plan Kharif 2022 and Rabi 2022-23**

All total 60 numbers of trainings are to be conducted which includes 42 numbers of training programme for practicing farmer and farm women, 08 numbers for Rural Youth, 6 numbers for Extension Functionaries and 4 numbers of Sponsored trainings. Besides; 20 numbers of Front Line Demonstrations and 07 numbers of On Farm Trials in agriculture and allied subjects have been planned.

The Chairman Dr. P J Mishra , Dean Extension Education , OUAT, Bhubaneswar emphasized that Malkangiri is an aspirational district and so much scope of horticultural crops and different developmental schemes of government should be implemented in convergence mode with the line departments, NGO *etc.*. He emphasized on formation of two FPO within the six months by KVK must be ensured . As per their interest, he is trying to arrange collaborative linkage programme with NALCO for development of Research and extension activities in collaboration with the KVKs of this region.

The DEE, OUAT BBSR advised to collect the farmers feed back then after set the any programme like demonstrations , trainings etc. and KVK should identify the farmers field problem and basing on the feedback from the farmers, action plan should be developed ,

The ADAO, Malkangiri suggested to make availability of good variety seed of finger millet as well as OFT trails on should be taken up by KVK to address the farmers problem in the district, as well as more activity may be included for pond based IFS models under Farm pond scheme in convergence mode . BAO Khairiput suggested for trial of ragi thresher in collaboration with OMM and

The , Malkangiri expressed his opinion that that KVK may take some programmes like demonstration and training programme on high vegetable crops, distribution of QPM in tribal dominated block in Chitrakonda area which is most neglected underdeveloped area of the district to increase the KVK outreach activities in this pocket . Exposure visit of farmers may be arranged for farmers to the field where Micro irrigation systems has been established .

The DDM , NABARD , Malkangiri suggested to conduct more Awareness camp financial linkage of SHG with banks and provide technical support to FPO The DDH, Malkangiri suggested for more numbers of demonstrations on mushroom cultivation as well as include some demonstration on medicinal, flower like marigold and fruit crops.

The Dist Fishery Officer, Malkangiri expressed his views regarding backyard duckery in IFS for income generation and some demonstration activities on Desi or local species of Fishes as there is high market demand , he also suggested for production fingerlings in KVK farm so that it will be easily available to the farmers and some training programmes on fish seed production should be organized .

MR K K Biswas , Branch Manager, SBI Orkel suggested KVK to create awareness of fruit processing i.e. jam, jelly, and popularize mushroom cultivation by imparting training to SHG members for economic development of the tribal farm women in holistic manner . He has assured for financial linkage through SHG and JLG groups for sustainable economic development of the women sector in the dist. Malkangiri.

Dr G Acharya PS and Director CHES suggested that KVK should take some activities on chilli thrips management and root rot management in pointed gourd .

Representative of OTELP, ITDA , Sri Manoranjan Meher suggested about the create awareness among the tribal farmers of Malkangiri regarding backyard duckery for income generation

Prof P Sial , ADR Similiguda advised that KVK should include some demonstration on spices due to some parts of Malkangiri climate suitable for spice crop production. like turmeric Var ROMA and Zinger

Officer In-charge, RRTTSS, Jeypore suggested that KVK may continue seed production on Hasanta variety of rice in farmers field . and awareness programme may be conducted for seed production of Hasanta so that farmer to farmer seed value chain can be established in the district as there is huge demand of this var Hasanta in the district as expressed by CDAO and KVK scientists.

Progressive Farmers Sri Ladu Gauda and Farm women Basanti Hansda of Malkangiri expressed their views that KVK Malkangiri is working with the farming community for doubling the farmers income through various technological interventions and through different extension activities . They also expressed that the positive response of KVK scientists for helping in time to time and they demanded the good quality spawn of mushroom for the mushroom growers which is not available in the district , which may facilitate by KVK.

The Dr. S. K. Das, Principle Scientist, ICAR-ATARI, Kolkata expressed his satisfaction for achieving a lot of diversified work in different sectors with the limited numbers of technical staff. He emphasized on establishment of Micro hatchery for production of poultry chicks at KVK or at District/ Farmers level . He enquired about the numbers of farmers involve in each OFT and FLD programmes and expressed the finding of OFT and FLD should be provided to line dept in specific manner , and success stories on Sweet corn , Kadaknath and Desi magur etc cultivation must be uploaded in website for larger dissemination as well as his other valuable scientific recommendation to enrich the future action plan suggestions are as follows

- He expressed his concern about newly released crop variety under varietal Trails to replace the old varieties and the HYV Vegetable varieties from IIHR and Rice variety from SAU and NRRI suitable for the existing rice production system must be taken up by KVK through OFT and FLD programmes .
- He instructed fishery scientist should conduct OFT programme on air breathing fish and cat fish or local fish species as there is vast scope in the district .Activity on fish feed management and disease management and intercropping in fishery

should be incorporated in the action plan . minimum two oft and four FLDs should be taken up in fishery discipline

- He also given emphasis on popularizing climate resilient technologies for resource poor farmers .and demonstration of scented rice varieties should be taken up.
- He requested to DEE, OUAT BBSR regarding filling of the vacant technical post in KVK for better performance and also expressed his deep concern to look resolve the matter relating the non availability of farmer's hostel, boundary wall and renovation of farmers hostel and staff quarter other prioritized infrastructural works should be taken up in coming EFC on priority basis

The chairman minutely observed all the remarks of the stake holders and participants and expressed his satisfaction about overall achievement of KVK in the district and kvk has developed god functional linkage with developmental departments and expressed his thanks to the members and for their valuable suggestions.

The summarized all the suggestions and the salient recommendations have been given below.

1. KVK should function in convergence mode with line dept OLM and NGOs to increase the outreach of the technical activities in the district. And website should be uploaded with different activities particularly success stories of the progressive farmers .
2. Popularisation of mushroom cultivation and backyard poultry, and duckery to provide livelihood support to the resource poor farmers particularly to the frame women. Young Entrepreneurs in mushroom, poultry and vermicompost production should be developed with facilitating financial linkage. and at least one FPO should be developed by KVK in one year with all technical support . Documentation of success stories and case studies on DFI farmers should be done on priority basis
3. He expressed during varietal Trails farmers preference should be incorporated and emphasis should be given to traditional crops like millet and PHT aspects should be taken care to minimize the post harvest loss and to enhance the quality of the produce for getting higher market price also some demonstration on scented rice variety should be taken up by KVK.



4. Input dealers training programme should be organized at KVK, Malkangiri for their knowledge up gradation of the dealers so that they can address the farmers problem relating to pest and disease incidence.
5. KVK should organise some demonstration and awareness programme , trails in inaccessible , underdeveloped tribal dominated area like Khairput, Chitrakonda and Bonda Ghati. area with the help of Local NGOs and Govt line departments
6. Training and demonstration on off season vegetable production and exotic vegetable should be popularised through OFT and FLD programme and good quality planting materials and other technological products should be demonstrated by the KVK
7. KVK should Conduct trails on land based situations and emphasis should be given on Promotion of IFS units and climate resilient agriculture practices .
8. KVK should conduct assessments programme on suitable air breathing fish or local fish species as there is high market of this species and large demand exists in the district
9. Establishment of Micro hatchery for production of poultry chicks at KVK or at District/ Farmers level.
10. KVK should take some on and off campus activities and trials on spices like Turmeric, Ginger , sweet potato ( bio- fortified ) , of local demand and fruit crops with installation or demonstration of micro irrigation with focus on more crops per drop.
11. Organisation of awareness camp for financial linkage of SHG with banks and provide technical support to FPOs.
12. Capacity development programmes for the farmers regarding seed production of different crops like HYV rice and finger millet should be organized ,so that farmers can be able to fulfill their own domestic seed demand in the district.

The meeting ended at 2.45 pm with vote of thanks to the chairman and other members by Dr. Samir Ranjan Dash, Senior Scientist & Head.

Sd/-  
Senior Scientist & Head  
KVK, Malkangiri

5. KVK should organise some demonstration and awareness programme , trails in inaccessible , underdeveloped tribal dominated area like Khairput, Mathili and Bonda Ghati. Area with the help of Local NGOs and Govt line departments
6. Training on off season vegetable production and exotic vegetable should be popularised through OFT and FLD programme and good quality planting materials and other technological products should be demonstrated by the KVK
7. KVK should Conduct trails on land based situations and emphasis should be given on Promotion of IFS units and climate resilient agriculture practices .
8. KVK should conduct assessments programme on suitable air breathing fish. as there is high market of this species and large demand exists in the district
9. Demonstration on paddy var. Hasanta in different locations. should be taken up for validating the performance in different AES of the district.
10. KVK should take some on and off campus activities and Trials on spices like Turmeric , Ginger , flowers of local demand like marigold and fruit crops with .installation or demonstration of micro irrigation with focus on more crops per drop.
11. Take waste land programme i.e. restructuring of land for fish and vegetable cultivation.
12. Trained the farmers regarding seed production of different crops like HYV rice and finger millet ,so that farmers can be able to fulfill their own domestic seed demand in the district.

The meeting ended at 2.00 pm with vote of thanks to the chairman and other members by  
Dr. Samir Ranjan Dash, Senior Scientist & Head.

  
15/11/21.  
Senior Scientist & Head  
KVK, Malkangiri