

Draft Proceeding of the 18th Scientific Advisory Committee Meeting

KVK, Malkangiri

The 18th Scientific Advisory Committee (SAC) meeting of KVK, Malkangiri commenced on date **01.12.2022 at 10.30 AM** in virtual and offline mode at KVK, Malkangiri training hall under the Chairmanship of Dr Hemanta Kumar Sahoo, Joint Director 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. Sri. Nigamananda Behera, 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 the purpose of SAC to the 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, KVK, Malkangiri.

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 17th 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	<ul style="list-style-type: none">• FLD conducted on Finger Millet (Var Arjun) 10 nos of farmers in the village Pedawada, Dariguda, Tangiliguda in Kharif-2021 in an Area of 2.0 ha on average yield is 14.4 q/ha.• FLD on Power operated Ragi thresher cum pearler in Vilage Tarlakota, Korkunda block conducted (27 no Ragi thresher demonstrated to SHG through OMM under 275 SHG

	market price	<p>members involved)</p> <ul style="list-style-type: none"> • Mahua collection by Shade net to minimise post harvest loss and drudgery reduction demonstrated in 10 numbers of farmers field at village Dariguda, Pedawada, MV-27, Bailapari.
2	KVK should Conduct trials on land based situations and emphasis should be given on promotion of IFS Units and Climate Resilient Agriculture Practices	<ul style="list-style-type: none"> • On farm trials on Assessment of Medium duration paddy in kharif 2022(Kalingadhan-1203 yield 52.5 q/ha ,Kalingadhan-1205 yield 49.2 q/ha) medium duration paddy Kalingadhan 1203 recorded avg. yield 52.5 q/ha as per observation in field assessment data. 7 nos of beneficiary in village MPV-1, MV-8, Tandapali • • On farm trials on Assessment of Upland Paddy in Kharif 21(Mandakini Yield 38.9 q/ha , CR Dhan-202 Yield 40.6 q/ha and CR Dhan-200 (Pyari) , Stress tolerant rice var Pyari recorded avg. yield (43.5q/ha) as per observation in field assessment data. 7 nos of beneficiary in village MPV-1, MV-8, MV-13 • 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). 10 nos of beneficiary in village MV-3, MV-2, Pedawada, MV-9 for FLD on Groundnut. 20 nos of beneficiary in village Pradhaniguda, MPV-1, Dariguda, Kadabahal for FLD on Arhar var PRG -176 • Awareness programme (4 nos) on Jala Shakti Abhiyan and Plantation programme in Collaboration with IFFCO conducted at KVK training hall. (220 farmers) • 6 nos of IFS units developed in Adopted villages and one in KVK , Promotion of IFS in convergence mode (Farm pond Plus-14 no in adopted villages name MPV-6, MPV-1, MV-45, Pedawada, MV-38, MV-7)

3	Capacity building development programme on Mushroom cultivation & Vermicompost production for skill development of farmers should be conducted by KVK for income generation of tribal farmers and SHG members	<ul style="list-style-type: none"> • Three Trg prog on Mushroom cultivation imparted in Mathili and Korkunda for WSHGs (50 nos farm women) under Mission Shakti with collaboration of DDH Malkangiri . Six nos WSHG are growing mushroom with support from Mission Shakti. • Demonstration of Vermicomposting unit (20 no) in Pedawada village and MPV-6 village and conducted two on campus training programmes for rural youth (40 participants). Two farmers namely Biswajit Sardar village-MPV-6& Ramaprasad Sarkar village-MPV-1 have produce on commercial basis. Each of them earned an average turnover 2.5 lakh/year
4	Input Dealers Training Programme should be organised at KVK, Malkangiri for their knowledge up gradation	Certificate course for Insecticide Dealers was conducted (12 days), Participants – 40 from five blocks from October 2022 to December 2022 in collaboration with NIPHM, Hyderabad
5	KVK should function in convergence mode with line depts, OMM, OLM and NGOs to increase the outreach of the technical activities in the district.	<ul style="list-style-type: none"> • 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. • Linkage and technical support to NGOs like Harsha Trust, Paribartan and Wassan, OLM, OMM. • Six nos FPO formation with Support of NABARD and Odisha Millet Mission (OMM) at Chitrakonda and Khairput block. • 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. • 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) • 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)

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	<ul style="list-style-type: none"> • Capacity development prog (40 farmers) on Rhizome treatment in turmeric in Swabhimanchal , Establishment of Black turmeric unit and Turmeric Unit Var-Roma in KVK Campus • 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 • Micro irrigation system (Drip) of 1.0 ha installed in Mango orchard in KVK under KKA.
7	Backyard Poultry Kadaknath should be taken up under TSP programme for income generation among the tribal farmers	Demonstration on poultry chicks (Kadknath 540 nos) under TSP in village Tamasa, MV-3, MV-4, Thakurpalii and Pradhaniguda has been conducted where avg body wt 2.2 kg / bird on eight months DOC has been reported. 360 farm families adopted in this technology. The egg laying capacity of Kadaknath bird was found 12 to 14 nos eggs/month.
8	KVK should conduct assessments programme on suitable Air breathing fishes as there is high market demand of these species in the district	Assessment of Different Methods of Fish Culture in Small Seasonal Pond has been conducted with Stocking of fingerlings of Desi Magur @ 10000 per ha, Fingerlings of IMC & Common carp @ 2500 per ha + Desi Magur fingerling @ 2500 per ha. The smallest pond size was 1428.5 m ² of each 7 nos fish farmers (OFT conducted in Villages -Boilapari, Pradhaniguda , Pedawada) Net Return Rs 2.48 lakh/ha with B: C ratio 3.15
9	Waste land development programme i.e. restructuring of land for fish and vegetable cultivation.	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
10	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.	Seed production of Hasanta by the farmers (45 nos) are taking seed production of paddy. (340.0 q) Farmer to Farmer seed chain established.

11	Development of entrepreneurs on Pisculture, Vermicomposting and other sectors should be taken up by KVK formulation and linkage with Financial institutes should be facilitated.	<ul style="list-style-type: none"> • Sri Biswajit Sardar, Vermicomposting, Village-MV6. (turn over Rs. 2.0 lakh per annum) • Sri. PARITOSH BISWAS, Village – MV-7, GP-Tamasa, Pond based IFS Rs. 7.0 lakh/ Annum • Mr Santi Ranjan Dey Village MV–9, Fish farmer, Fish fingerling production. Annual income Rs. 28.0 lakh in 2022
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Agenda-3: Achievements made by the KVK during the reporting period

Sri Nigamananda Behera, Senior Scientist & Head presented the overall achievements made by the KVK during the period Rabi, 21-22 and Kharif 2022 as well as progress of Rabi 2022-23. He informed the house that KVK has conducted 46 nos. of training programmes involving 1830 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 12 nos. of OFTs involving 90 nos. of farmers, 24 nos. of Front Line Demonstrations involving 352 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, World Food 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 Hemanta Kumar Sahoo, Joint Director, Dean Extension Education , OUAT, Bhubaneswar emphasized crop diversification in upland paddy 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 new technology application should reached to the tribal farmers and old technology should not acceptable by KVK must be ensured. As per their interest, he is trying to the Fishery Scientist should conducted the FID on white Peckin (Duckery) and Poultry. The Research and extension activities conducted in collaboration with the KVKs of this region.

The Chairman Dr Hemanta Kumar Sahoo JDE, OUAT BBSR advised diversified the Millet, Toria and Sesame in upland paddy and focus on production of fingerlings and he also advised us to collaboration with water shade department to develop the IFS unit and plantation the forest plants in waste land and suggest to us the programme should conducted in available resources not for over loaded.

The CDAO cum PD ATMA, Malkangiri suggested making availability of good variety seed of finger millet as well as crop resilient crops for OFT trails on should be taken up by KVK to address the farmer's problem in the district, as well as the Research and extension activities conducted in collaboration with the KVKs of this region.

The DDM , NABARD , Malkangiri suggested to conduct more Awareness camp and training to the BOD members and financial linkage technical support to FPO The DDH, Malkangiri suggested for more numbers of demonstrations on vermicompost production as well as include some demonstration on Potato and Sunflower, floriculture like marigold and fruit crops.

The Dist Fishery Officer, Malkangiri expressed his views regarding establishment of Bio fluck unit in IFS for income generation and some demonstration activities on Desi Magur fingerling production 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.

Sri Mahendra Kumar Majhi DDH Malkangiri MR K K suggested KVK to create awareness of vermicompost production and introduced at his own field , and popularize Potato and sunflower cultivation by imparting training to SHG members for economic development of the tribal farm women in holistic manner..

Dr Pramod Kumar Panda, Principal Scientist in IIWM Bhubaneswar , suggested that KVK should take some activities on water management to improving productive, and awareness of water management, as well as include demonstration on Mini Oil/Dal Meals in present available resources .

The ADVO Malkangiri Dr.G.S.P. Satapathy suggest to improving the animal health camp and Poultry demonstration with convergence mode also use of animal manure in different demonstration activity , and also suggested to zero input system for different production through fallow up the transferable technology

Representative of Chasibhai FPO malkangiri , Sri Rakesh Kumar Nayak suggested about the create awareness among the tribal farmers of Malkangiri regarding fingermillet production and Little millet production and share the technology and knowledge

Prof P Sial , ADR Similiguda suggested to approach road and farmers hostel should be renovated and fill of the staff in KVK .

Senior Scientist and Head KVK, Jharsuguda Dr. Samir ranjan Dash suggest changing the adopted village and focusing on fingerling production

OIC, RRTTs Jeypore suggested that the demonstration of Kaling dhan-1203 and kalinga dhan-1205 separately

Progressive Farmers Sri Bhima Kabasi and Farm women Sujata 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 suggested reducing the nos of OFT as per the resources available and request to the entire line department to co-operate the KVK, activity that the way he can benefited from them. He emphasized on training programme on vermicompost production and look in to marketing

linking and how farmers can directly benefited. It's not possible to cover all thrust areas of the line department for KVK, doing work based on their available resources.

- 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 and FLD programme on animal component. 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 good 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 and vermicomposting to provide livelihood support to the resource poor farmers particularly to the farm women. Young Entrepreneurs in mushroom, poultry and vermicomposting 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 small millets 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 farmer's 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. Establishment of Micro hatchery for production of poultry chicks at KVK or at District/ Farmers level.
9. KVK should take some on and off campus activities and trials on oilseed like Turmeric, Sunflower, ,
10. Organisation of awareness camp for financial linkage of SHG with banks and provide technical support to FPOs.
11. 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

Mr. Nigamanada Behera, Senior Scientist & Head.

With Regards,


08/02/2022
Senior Scientist & Head
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