

Draft Proceeding of the 19th Scientific Advisory Committee Meeting

KVK, Malkangiri

The 19th Scientific Advisory Committee (SAC) meeting of KVK, Malkangiri commenced on date 16.12.2023 at 10.30 AM in virtual and offline mode at KVK, Malkangiri training hall under the Chairmanship of Dr. H. K. Sahoo, Joint Director Dean Extension Education, OUAT, Bhubaneswar and Chief Guest Dr. K. S. Das, Principal Scientist, ICAR-ATARI, Kolkata and Dr. P. Sial, Associate Director of Research, Semiliguda as guest of honor. Dr. Sidhartha Kar, Senior Scientist & Head, welcome to the Honorable Chief Guest, Chairman and the SAC members and officially begins with lightening of candle & watering of indigenous Jack fruit plant by guest. 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 18th SAC meeting

The Senior Scientist and Head presented various actions taken by the KVK as per the recommendation of eighteenth SAC meeting as given below:

Sl no	Recommendation	Action taken
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.	<ul style="list-style-type: none">• KVK with TSRRD NGO follow up green gram var. Virat, Black gram var. Sasi, Groundnut var. K-12 & SLTS in Cucurbit in 15 hectare area. Jointly done crop cutting programs.• Link with OLM about production of little millet and finger millet production in 2 ha. area.• KVK supported & developed nutritional garden by planting Papaya, Drum stick, Leafy

		<p>vegetables, Garden peas and sweet corn production by two FPO's Swadhin FPO at Korkunda and Saveri setu FPO at Mathili Block.</p> <ul style="list-style-type: none"> • Follow up Watershed programs, millet seed production activity with GDS, Malkangiri
2	<p>Popularization of mushroom cultivation and backyard poultry, and duckery to provide livelihood support to the poor farmers particularly to the farm women. Young Entrepreneurs in mushroom, poultry and vermi compost production should be developed with facilitating financial linkage. 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.</p>	<ul style="list-style-type: none"> • Two Training 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. • Demonstration of duckery Var.White Pakine (200 nos.) Vermi composting unit (10 no), poultry var.Sonali (1000 birds) in Raudiguda, BIpur, MV-2, Mundaguda MPV-1, Tamasa, Boilapari, MV-04, Pedawada and MV-10 conducted two off campus training programmes for rural youth (40 participants) (Rs 2.5 lakh Annual turnover of Biswajit Sardar , Ramprasad Sarkar, Village-MPV-1, Malkangiri (Annual turnover Rs.1.5 lakh).
3	<p>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.</p>	<ul style="list-style-type: none"> • Two nos of OFT programme on Millets-Finger millet Var.OEB-601, Arjun and Little Millet Var. OLM-217 and OLM-208 has been conducted at Sargiguda, Tingaliguda village of Pandripani GP during Kharif 2023. • Value added products from millets such as ragi Tikiri gaja, Millet Mixture, Namkin, Mudki, Flour has been developed by Maa Santoshi SHG under guidance of KVK, Malkangiri. These value-added products use as exhibit at National and International Millet Expo. at NRRI, Cuttack and Janata Maidan Bhubaneswar.
4	<p>Input dealers training programmes 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.</p>	<ul style="list-style-type: none"> • Certificate course for Insecticide Dealers conducted (12 days), Participants – 40 from five blocks participated in the program from Sept. 2022 to Dec. 2022 in collaboration with NIPHM, Hyderabad.

5	KVK should organise some demonstration and awareness programme, trials in inaccessible area, underdeveloped tribal dominated area like Khairput, Chittrakonda and Bonda Ghati. area with the help of Local NGOs and Govt. line departments.	<ul style="list-style-type: none"> • Awareness program (Crop Pest management, Horticulture demonstration on sweet corn) conducted at Chittrakonada. • Capacity development program (40 farmers) on Rhizome treatment in turmeric in Swabhimman Anchal. • Popularization of Papaya var. Pusa Nanha, Arka Prabhat (4000) nos. and Drumstick var. PKM -1 and Dwarf Moringa (3500 nos.) through IFS scheme under TSP.
6	Training on off season vegetable production and exotic vegetable should be popularised through OFT and FLD programme.	<ul style="list-style-type: none"> • Assessment of CLCV tolerance variety of Chilli (Arka Harita released from IIHR in Rabi 22-23 & Kharif 2023) • Papaya var – Arka Prabhat (4000), Gyno diasious Papaya Red Lady demonstration conducted during Kharif 2023. • Demonstration Tomato Var. Arka Samrat 2.0 ha • OFT on sweet corn var. Pusa Super Sweet Corn-1 and VL Sweet corn-1 (FSCH-18) undertaken in Rabi 22-23 and FLD on same variety conducted during Kharif 2023.
7	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 Upland Paddy in Kharif 22(Mandakini, CR Dhan-202 and CR Dhan-200 (Pyari), stress tolerant rice var. Pyari recorded average yield (43.0q/ha). • Assessment of rice varieties for rain fed medium land during Kharif, 2022 with paddy var. Kalinga dhan-1203 & 1205. • Climate resilient variety ground nut (Dharani 10.0 ha) (Avg. yield 21.2 q/ha), Arhar var. PRG -176 (5.0 ha) demonstrated (Avg. Yield 12.5 q/ha) • Awareness programme (4 nos.) on Jala Shakti Abhiyan and Plantation programme in Collaboration with IFFCO (220 farmers). • 6 nos. of IFS unit developed in Adopted villages and one in KVK, Promotion of IFS in convergence mode (Follow up IFS units in 14 nos. in villages including adopted villages). Distribution of IMC fingerlings 7000 nos., Tilapia fingerlings 7000 nos. Papaya 1000 nos., Drum stick 500 nos. distributed to tribal farmer to plant in IFS unit under TSP program.
8	KVK should conduct assessments programme on suitable air breathing fish or local	<ul style="list-style-type: none"> • Assessment of Poly culture of Carps with Desi Magur conducted at Village MV-45 and Sialimal

	fish species as there is high market demand of this species and Scope exists in the district.	<ul style="list-style-type: none"> • Demonstration on Monoculture of desi magur in small shallow backyard tanks.
9	KVK should take some on and off campus activities and trials on spices like Turmeric, Ginger, tuber crops like sweet potato (bio- fortified), local demand fruit crops and installation or demonstration of micro irrigation with focus on more crops per drop.	<ul style="list-style-type: none"> • Conducted Capacity building program (40 farmers) on Micro Irrigation system - convergence with watershed Malakngiri. • Establishment of Black turmeric unit and Turmeric Unit Var. Roma and PH - 1 in KVK Campus. • Micro irrigation system (Drip) installed in 1.0 ha area in Mango orchard at KVK campus under KKA. • Sweet potato demonstration in 0.02 ha. follow up at Batriatal village of Sindhrimal GP. • Local demand Fruit crops like Papaya, Drumstick distributed to 30 farmers.
10	Take waste land programmes i.e. restructuring of land for fish and vegetable cultivation.	<ul style="list-style-type: none"> • One existing waste land of 0.4 ha. in KVK campus work is under progress for development and establishment of IFS & Rose Garden. • Urban plantation of 10,000 nos. of forest species in our KVK wasteland (2.0 ha) convergence with forest department done. • 01 hectare of waste land cover with asexually propagated fruit plants Lime, Orange, papaya & vegetables.
11	Training for farmers on 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.	<ul style="list-style-type: none"> • 35 nos. of farmers produced 280q. of Hasanta variety Paddy seed at Ponarguda. A Farmer-to-Farmer seed chain establishment taken place. • Conducted training programme for 30 farmers on finger millet var. ARJUNA seed production in 3 different blocks Khairput, Malkangiri & Korukunda respectively. • Finger millet variety Arjun seed production and demonstration conducted at village Sargiguda of Pandripani GP. • GDS, Malkangiri in collaboration with KVK promoting millet production and seed production of Finger millet through Debeswari FPO.

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

Dr. Sidhartha Kar, Senior Scientist & Head presented the overall achievements made by the KVK during the period Rabi, 2022-23 and Kharif 2023 as well as progress of Rabi 2023-24. He informed the house that KVK has conducted 47 nos. of training programmes during rabi 2022 & Kharif 2023 involving 1860 participants and 15 nos. of training during Rabi 2023-24 covering 390 farmer & farm women and 40 nos. rural youths. 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 19 nos. of FLD during Rabi – 2022 & Kharif 2023 covered 200 FLD farmers and 10 nos. of OFT covered 70 OFT farmers. During Rabi 2023-24 covering 10 nos. FLD by 100 beneficiaries & 04 nos. of OFT by 28 OFT beneficiaries. All total 2856 farm families during Rabi 2022 & Kharif 2023 benefited by KVK by various intervention and 1657 farm families benefited during Rabi 2023-24 by KVK, Malkangiri including special FLD on Mushroom cultivation, backyard Poultry, distribution of low cost agro implements (maize sheller, okra plucker, khurpi, rake, Nylon net) for drudgery reduction, Plastic culture, protected farming of vegetables, cultivation of sweet corn, cropping system with trap crop (marigold), Stem borer management in paddy by using *Trichogramma chilonis*, vegetable kitchen garden & nutritional garden 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 09 nos. of other extension activities such as Akhaya tritita, PM KISHAN Sammelan, World rural women Day, World food Day, participated in State & District label farmer fair, millet expo, millet conclave, fisheries & AH exhibition, Published 01 nos. of extension literature, 14 nos. news paper coverage and 4nos of special extension activities like Swachha Bharat Abhiyan (SBM), World fisheries day, Field Days and two numbers of Farmer Scientist Interaction in collaboration with Department of fisheries & Department of Horticulture & Agriculture, Malkangiri and All total two numbers of sponsored training programmes has been conducted during this reporting period.

Agenda-4 Action Plan 2024-25

Senior Scientist & Head, KVK, Malkangiri ask forum for their suggestions by which effective action plan for the Year 2024-25 can prepare and take action accordingly. All total 35 numbers of trainings plan to conduct which includes 24 numbers of training programme for practicing farmer and farm women, 06 numbers for Rural Youth, 5 numbers for Extension Functionaries and 2 numbers of Sponsored trainings. Besides that, 17 numbers of Front-Line Demonstrations and 03 numbers of On Farm Trials in agriculture and allied subjects plan to conduct.

Sr. Scientist & Head KVK, Malkangiri requested to SAC member to put their valuable suggestion & recommendation for strengthening of KVK, Malkangiri, which ultimately have an effective action to develop farming communities. The recommendation & suggestions are as below.

Recommendations in 19th SAC meeting

1. Principal Scientist, Dr. Kalyan Sundar Das, ATARI, Kolkata asked about reason for taking duckery, vermi compost as a part of activity. Dr. K. S. Das, sir suggested
 - a. To develop millet recipe enterprises & entrepreneurs.
 - b. Focus on FLD & OFT of horticulture & fishery science.
 - c. All FLD & OFT statistical analysis & publish in journal is important.
 - d. Brown spotted Bajara collection & multiplication required as per availability.
 - e. Popularization of micro enterprise on mushroom, vermi compost, QPM, live stock in scientific way required.
2. Deputy Director of Horticulture, Malkangiri suggested to develop and supply quality planting materials, seedlings and grafts for 3 blocks he has also emphasize to fill up the vacant post, convergence scheme, mushroom mission, floriculture mission, production & cultivation of hybrid & exotic vegetables & fruits to meet demand for annual district requirements through demonstration, OFT and FLD. He has also suggested to popularizing honey bee farming which is available in their department. Suggestions to create awareness among mushroom grower about financial assistance of Rs 20000/ha per farmers towards mushroom seeds production & sale.
3. Joint Director, Dr. Hemant Ku. Sahoo, the Chairman, Joint Director Extension, Directorate of Extension Education , OUAT, Bhubaneswar emphasized on crop diversification in to upland paddy as an inspirational in the district and 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 reach to the tribal farmers and old technology should not promote by KVK. He has also suggested to replace the demonstration on

CIFAX with another scientific & effective intervention. Work on organic or integrated farming approach will encourage the District farmer. Sir also suggested for minimise the use of chemical application in agricultural crops. Short duration up land paddy variety may popularize in the District.

4. Senior Scientist and Head, Nabarangpur suggested to develop Natural farming through trainings. He has also suggested for value addition, FPO: input distribution, extension services such as animal health camp, plant health clinic.
5. PD Watershed, Malkangiri recommended to work on agri - services because agricultural graduates can easily provide agri- services across the district.
6. CDAO, Malkangiri recommended to study brown spotted bajra at Chitrakonda Block. He has also recommended for recording its cultivation area and location of farming. He also suggested for resolving of blast problem of finger millets, promotion of Sunhemp cultivation in in upland area of Malkangiri district is essential. He particularly suggested to work on infiltration of sunhemp. Program on application of biological culture and seed treatment of various agricultural crops is required. Program on application of bio-pesticide in Chitrakonda, Mathili & Khairiput block will be a vital intervention. Soil testing & soil health card distribution work may regularize. Plan for farmer fair at least two numbers per Year & intra State exposure visit of progressive farmer under ATMA program will encourage the farming communities. He has also suggested for IPM in vegetables & field crops required.
7. ADVO, Malkangiri suggested for demo units on Poultry because there are programs on trainings and free input materials for poultry farming with Veterinary office. Distribution of chicks among tribal farmer will encourage the communities.
8. Representative of NGO, Malkangiri requested to work on wilt, YMV management in green gram, black gram, sesame and soil health card.
9. SRL representative from Bhubaneswar requested to conduct demo on Pusa decomposer, biological farming as they have ICAR certified laboratory and various products. He has told it will take 45 Days to compost by applying pusa decomposer in favorable condition.
10. Regarding Millet mission ADAO, Malkangiri suggested for finger millet treatment by sun drying method. Importance on use of mulching to conserve soil moisture and weed, program to overcome of 'K' deficiencies in upland and Zero tillage farming system may encourage.
11. ADR, RRTTS, Semiliguda recommended to work on Kalinga varieties, brown spotted bajra and value addition aspects. He was also said about spices cultivation at Malkangiri District may encourage among farmer.

12. Progressive farmer requested to support on effective plant medicine and improve variety of pointed gourd, okra, cow pea, tomato, grafted brinjal, sweet corn, maize & demonstration on quality planting material production.

The meeting was concluded at 2.45 PM with vote of thanks to the chairman and other SAC members.


30/03/2024
Senior Scientist & Head
KVK, Malkangiri

LIST OF MEMBERS ATTENDED IN THE 19TH SAC MEETING

Sl. No.	Name of the SAC meeting member	Designation	Mobile No.
1	Dr. H. K. Sahoo	JDE Extension, OUAT, BBSR	9437627714
2	Mr. J. S. Rao	CDAO, Malkangiri	9437373373
3	Mr. P. K. Patra	DDH, Malkangiri	9861132369
4	Mr. G. Mishra	GM, DIC, Malkangiri	9861148738
5	Dr. P. R. Sial	ADR, RRTTS, OUAT, Semiliguda	8637262715
6	Dr. L. Behera	SDVO, Malkangiri	XXXXXXX
7	Mr. S. K. Mallick	DDM, NABARD, Malkangiri	8598925988
8	Mr. S. Sabar	APD, Watershed, Malkangiri	8850726798
9	Mr. A. Behera	Faculty I/C, SRL & Co.	9348358174
10	Dr. S. Lenka	SSH, KVK, Nabarangpur	7008090385
11	Mr. S. Parida	PC (SPPIF), Malkangiri	9937733084
12	Mr. T. Ray	PC (Agri.), G.D.S., Malkangiri	XXXXXXX
13	Mrs. Iishree Das	AFO (HQ), Malkangiri	XXXXXXX
14	Mr. B. Behera	PO PME, OTELP, Malkangiri	XXXXXXX
15	Mr. D. L. Nayak	WDO, OTELP, Malkangiri	XXXXXXX
16	Dr. D. S. Priyadarshi	Sr. Agrometrologist, Semiliguda	XXXXXXX
17	Dasarath Golari	FPO, Batriatal, Malkangiri	XXXXXXX
18	Sujata Golari	FPO, Batriatal, Malkangiri	XXXXXXX
19	Mr. R. N. Kundu	IPO, DIC, Malkangiri	XXXXXXX
20	Madhu Nayak	FPO Farmer, Atalguda, Malkangiri	XXXXXXX
21	Debaki Kata	FPO member, Atalguda, Malkangiri	XXXXXXX
22	Gopi Bhumia	Farmer, Bondhaguda, Malkangiri	XXXXXXX
23	Adma Kurami	Farmer, Bondhaguda, Malkangiri	XXXXXXX
24	Arjun Nayak	Farmer, Boilapari, Malkangiri	XXXXXXX
25	Jagabandh Hantal	Farmer, Totaguda, Malkangiri	XXXXXXX
26	Padu Khara	FPO member, Totaguda, Malkangiri	XXXXXXX
27	Rama Khila	FPO member, Padmapur, Malkangiri	XXXXXXX
28	Idma Budhi	Farmer, Bandhaguda, Malkangiri	XXXXXXX
29	Kamal Bhumia	FPO Farmer, Bandhaguda, Malkangiri	XXXXXXX
30	Chandra Madi	FPO member, Rangamatiguda, Malkangiri	XXXXXXX
31	Krushna Chandra Khila	FPO member, Rangamatiguda, Malkangiri	XXXXXXX
32	Jagannath Pangi	FPO member, Padmapur, Malkangiri	XXXXXXX
33	Ikni Pangi	FPO member, Padmapur, Malkangiri	XXXXXXX
34	Lachhma Ch. Bachi	FLD Farmer, Malkangiri	XXXXXXX
35	Deepankar Mandal	FLD Farmer, MPV-1, Malkangiri	6371949013
36	Dr. Sidhartha Kar	Senior Scientist & Head, KVK, Malkangiri	9437633251
37	Atish M. Mane	SMS, Fishery	8850987300
38	T. K. Behera	FM, KVK, Malkangiri	9583344495
39	S. R. Rout	PA, Computer, KVK, Malkangiri	8249645322
40	B. Sahoo	Jr. Steno cum comp. Operator, KVK, Malkangiri	9937533735

