ANNUAL PROGRESS REPORT
April 2015 to March 2016

OF KVK, Nayagarh, Odisha

Contents

Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Grey color cells in summary table need not to be filled.**
13. **Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).**
    Vegetable :- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Ladies finger).
    Fruits :- Mango, Guava, Custard apple, Pear etc.
    Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – April 2015 to March 2016

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**18**	123	
	On Going OFT	**5**	27	
	Technologies assessed (Completed OFT)	**13**	96	
	Technologies refined	**-**	-	
	On farm trials conducted	**18**	**123**	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	**19**	162	
	On Going Frontline demonstrations	1	10	
	FLDs conducted on crops	12	120	
	Area under crops (ha.)	13.4ha	110	
	FLD on farm implement and tools	2	20	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	1	2	
	FLD on Fisheries - Finger lings	1	5	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	3	25	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	56	92	1400
	Farm women	4	8	100
	Rural youth	-	-	-
	Extension personnel/ In service	6	12	150
	Vocational trainings	9	42	180
	Sponsored Training	4	40	125
	Total	79	184	1955
		No. of programmes	**Participants**	
4	**Extension Programmes**			
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)			
	Planting material produced (nos.)	29927	650	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (Ornamental fish) (nos.)	510	25	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	1100	115	

7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)			
	Trichoderma (kg.)			
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)			
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)			
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	3	3	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	1	-	
	KVK News letter	4	2000	
	SAC Meetings conducted	2	40	
	Soil sample tested	80	400	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	68	5283	
	Convergence programmes	3	500	
	Sponsored programmes	4	125	
	KVK Progressive Farmers interaction	2	1000	
	No. of Technology Week Celebrations	15	710	
	Attended HRD activities organized by ZPD	3	3	
	Attended HRD activities organized by DES	3	3	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	3	3	
9	Current status of Revolving Funds (Amt. in Rs.)		Rs. 3,35,393	
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	8	152	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	1	2	1
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Blocked		
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	-	-	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	-	-	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	-	-	
16		**Filled**	**Vacant**	
	Staff Position	14	02	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)			
18	Publication received from ICAR /other organization (nos.)	-		
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	-	-	

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2016

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Nayagarh	16	1	0	6	6	3	2	2	2	12	10

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
Nayagarh	Programme Coordinator	Vacant								
Nayagarh	Subject Matter Specialist1	**D**r.Amitabh Panda	Sr. Scientist & Head , Scientist (Horticulture)	Ph.D (Ag)	Horticulture	15600-39100	22220	04.04.11	Temporary	**Others**
Nayagarh	Subject Matter Specialist2	Mr. Trinath Khandaitaray	Scientist (Plant Protection)	M. Sc (Ag)	Entomology	15600-39100	22220	18.07.09	Temporary	Other
Nayagarh	Subject Matter Specialist3	Mr. Tribijayi Badjena	Scientist (Agril. Extension)	M.Sc (Ag)	Agril. Extension	15600-39100	17610	07.04.10	Temporary	Other
Nayagarh	Subject Matter Specialist4	Dr.Swagatika Sahu	Scientist (Fisheries)	Ph.D (Fishery)	Fisheries	15600-39100	17610	9.11.12	Temporary	Other
Nayagarh	Subject Matter Specialist5	Mrs Bijaya Laxmi Rout	Scientist (Home Science)	M.Sc	Home Science	15600-39100	19810	25.1.16	Temporary	Other
Nayagarh	Subject Matter Specialist6	Mrs. Suchismita Diwvedy	Scientist (Ag) Eng	M .Tech	Agricultural processing & food engineering	15600-39100	15600	22.01.2016	Temporary	Other
Nayagarh	Programme Assistant	Mr. Bikram Keshari Parimanik	Pro. Asst. (Forestry)	M.Sc	Forestry	9300-34800	13430	16.10.06	Temporary	Other
Nayagarh	Farm Manager	Vacant								
Nayagarh	Computer Programmer	Mrs. Rosalin Praharaj	Pro. Asst. (Computer)	B.Sc (PGDCA,MCA)	Computer	9300-34800	13450	10.03.06	Temporary	Other
Nayagarh	Accountant /	Mr. R.M. Mishra	S.O-	M.A (B.Ed)-	-	9300-	13450	14.02.14	Temporary	Other

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
	superintendent					34800				
Nayagarh	Stenographer	Miss S. Mallick	Jr. Steno Cum Computer Operator	B.A	-	5200-20200	5200	12.02.14	Temporary	SC
Nayagarh	Driver	Mr. Rabi Narayan Mohapatra	Driver/Mechanic	Intermediate	-	5200-20200	6110	22.07.08	Temporary	Other
Nayagarh	Driver	Mr. J. Pradhan	Driver/Mechanic	Matric	-	5200-20200	6600	26.6.13	Temporary	Other
Nayagarh	Supporting staff	Mr.Harihar Pradhan	Peon/Watchman	ME	-	4440-7440	5580	1.12. 2014	Temporary	Other
Nayagarh	Supporting staff	Mr. Gunanidhi Bauta	Peon/Watchman	ME	-	4440-7440	5580	19.12.07	Temporary	Other

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Nayagarh	East and South Eastern Coastal Plain Zone (ESCPZ)	8	177	9,62,000	79.12	1,72,245	1,44,083	0.94 ha

1.	Geographical area of the district	3,89,000 ha (3890 sq.km)
2.	Height from mean sea level	90 mtr.
3.	No. of subdivisions	1
4.	No. of Tahasils	8
5.	No. of NAC	2
6.	No. of CD blocks	8
7.	No. of GPs	180
8.	No. of revenue villages	1703
9.	Population in the district 2011 census	9,62,000
	Male	5,02,000
	Female	4,60,000
10.	ST population	5.88%, 50,836
11.	SC population	14.04%, 1,21,409
12.	Literacy	79.12%
	Male	**82.66%**
	Female	**57.64%**
13.	Annual Rainfall	1354.3mm
14.	Max temperature	44.0^0C
15.	Minimum temperature	11.0^0C
16.	Population density	247/sq. km.
17.	Area under forest	38,086 ha.
18.	Area under cultivation	1, 34,000 ha.
	High land	45,000 ha
	Medium land	49,000 ha
	Low land	40,000 ha
19.	Kharif irrigated area	45,390 ha.
	Rabi irrigated area	21,670 ha.
20.	Classification of land holding	
	Less than 1 ha.	1,13,730 no.
	Between1 to 2 ha.	18,443 no.
	Above 2 ha.	11,910 ha.

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Nayagarh	**Giridipalli**	**2011**	**Khandapada**	**35km**	**625**	**575**
Nayagarh	**Bajrakote**	**2011**	**Ranpur**	**30km**	**700**	**658**
Nayagarh	**Anlamada**	**2012**	**Khandapada**	**12km**	**570**	**435**
Nayagarh	**Darpanarayanpur**	**2012**	**Ranpur**	**35km**	**625**	**575**
Nayagarh	**Beguniapatna**	**2013**	**Nayagarh**	**18km**	**875**	**483**
Nayagarh	**Damuni**	**2014**	**Nuagaon**	**32Km**	**325**	**125**
Nayagarh	**Katarajhari**	**2015**	**Odagaon**	**18Km**	**250**	**180**

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Nayagarh	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
Nayagarh	Crop diversification from rice to pulse (Arhar), oilseed (Sunflower, ground nut) sugarcane and tuber crop based cropping systems.
Nayagarh	Integrated nutrient management by incorporation of crop residues/forest litters, green manuring, improvised composting and balanced use of inorganic and bio-fertilizers.
Nayagarh	Popularizing eco-friendly pesticides and bio-control agents and IPM practices for borers in sugarcane, rice and brinjal.
Nayagarh	Revolutionizing fresh water fish farming by including freshwater prawn (Scampi) in composite pisciculture system.
Nayagarh	Empowerment of rural youth and SHGs through remunerative agro based enterprises like value addition of fruits and vegetables, mushroom production, bee keeping, floriculture, poultry farming and nursery raising.
Nayagarh	Rejuvenating mango and cashew orchards and developing Alternative Land Use system models.
Nayagarh	Scientific method of fish production with freshwater prawn culture, integrated farming system research and stunted fingerlings & yearlings stocking.
Nayagarh	Income generation from backyard poultry for economic upliftment.
Nayagarh	Raising of fuel wood, timber and fodder yielding species to meet the local demand and production, value addition of minor forest products.
Nayagarh	Varietal substitution in rice, particularly for rain-fed upland and medium land types.

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Nayagarh	Rice : Low grain yield - poor nutrition- Heavy weed infestation- High grain loss – BPH, stem borer, sheath blight/rot, blast & BLB	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Anlamada (Khandapara) Darpanarayanpur (Ranpur), Beguniapatna(Nayagarh)
Nayagarh	MOONG : Low productivity – Little Nutrition- High storage loss – Pulse beetle, root rot & YMV incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Darpanarayanpur (Ranpur),Chandi, gopalipada, Khandapada
Nayagarh	SUGARCANE : Increase in production cost – Closer spacing-High Seed requirement – Manual weeding-Low MC production – Poor N management- Incident of ESB, IB & SB.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Mardarajpur (Nayagarh) Anlamada (Khandapara)
Nayagarh	Maize: Low productivity, use of low yielding non adoptable varieties, imbalanced nutrient management, heavy weed infestation in early stage. Severe pest & disease incidence throughout the crop growth.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Maichheli, Raghunathpur(Nuagaon)
Nayagarh	COLOCASIA : Increase in production cost – Manual weeding-Growth retardation Blight & Corm Rot	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Biridi (Khandapara) Ranipatna(Khandapara)
Nayagarh	TUBER CROPS : Deep rooted longer duration Yam - poor acceptance- less yield potential Sweet Potato – Poor acceptance, Slow multiplication rate, weevil incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Shikharpur (Khandapara)
Nayagarh	GROUNDNUT : Increased production cost – Manual weeding-Poor plant stand – Early stage wilting	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Melambo,(Nayagarh) Ratanpur,(Khandapara)
Nayagarh	SUNFLOWER : Low yield – Increased Chaffiness-pest & disease incidence	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Anlamada (Khandapara) Darpanarayanpur (Ranpur)
Nayagarh	COCONUT : Fruit drop- Eriophyid mite attack-Low yield in local types	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Bajrakote (Ranpur)
Nayagarh	MANGO: Fruit drop- Mango hopper & Bark eating caterpillar	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Lingiribari(Nuagaon) Shikharpur(Khandapara)
Nayagarh	BRINJAL : Fruit and Shoot borer Incidence- Wilting	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Jadupur (Nayagarh)
Nayagarh	COLE CROPS: Tobacco caterpillar incidence- Low yield in local	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Begunia

	types		Patna(Nayagarh)) Raj Patna(Nayagarh)
Nayagarh	TOMATO: Low yielding local types, severe wilt & fruit borer incidence.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Giridipalli (Khandapara) Begunia Patna(Nayagarh)
Nayagarh	FOREST TREES : Untapped forest resources , Deforestation due to heavy demand on fuel wood, timber and fodder demand	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Balugaon(Nayagarh)) Suamadhipa(Bhapur)
Nayagarh	FISHERY: Poor pond management Predatory and weed fish in fish ponds High seed mortality Improper stocking ratio and density Poor feeding management Single crop culture practice, Less income from pisciculture Less income from fish culture without any foreign money No fish yield from backyard water logging area Less income of SHGs from fisheries	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting	Iaxmi Prasad(Khandapara) Khedapara(Nayagarh) Damuni (Nuagaon) Darpanarayanpur (Ranpur)
Nayagarh	OTHERS: Underutilization of orchard shade (cashew and mango)- Straw scarcity for mushroom production - Lack of income generating vocation for women & rural youths- Poor land utilization and crop insurance in rainfed upland-Grain loss by house & field rats-Distress sell of mango & tomato-Malnutrition of women and children –Drudgery associated with rural housewives and women in agriculture.	PRA Survey, Group Discussion, Diagnostic Visit, Farmers club matting, SHG Group meet, Interaction	Patulisahi(Nuagaon) Mahipur(Nuagaon)

2. On Farm Testing

Note-

*** Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**

***Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.**

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2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T_1)	RP (T_2)	T3/T4 /T5	FP (T_1)	RP (T_2)	T3/T4 /T5	
Nayagarh	2015-16	Kharif	Yield (33.26q/ha) plateau in favourable shallow low land rice (25000 ha), non exploitation of standard heterosis (10 q/ha) in rice	Assessment of rice hybrids for shallow low land	Assessment	Varietal evaluation	Rice	shallow low	05	47.2	58.6	-62.2 58.4 61.8	26742	37941	40137 37669 42293	This OFT will be repeated in kharif 2015 for further evaluation
Nayagarh	2015-16	Kharif	Low yield (6.44 q/ha) due to use of long duration old and obsolete Arhar Local	Assessment of Arhar varieties in rainfed upland	Assessment	Varietal evaluation	Arhar	Rainfed upland	05	10.66	12.52	-	19878	25376	-	This OFT will be repeated in kharif 2015 for further evaluation

			var. Kandula in upland (320 ha) without maintaining purity													
Nayagarh	2015	Kharif	Low production from traditional system, Non-compatibility crop sequence, Poor soil and fertilizer management	Assessment of intensified cropping system	Assessment	ICM	Rice, maize,ladies finger, cowpea, tomato	Rainfed	05		Continuing					
Nayagarh	2015-16	Rabi	Less yield (71.9 t/ha)due to low micronutrient (Sulphur) content in soil (< 10 ppm S)	Assessment of micronutrient (sulphur) application in sugarcane var. Raghunath	Assessment	Nutrient management	Sugarcane	Irrigated medium	07		Continuing					
Nayagarh	2015	Kharif	Low yield in rice due to heavy incidence of rice sheath blight	Assessment of IDM for Sheath blight management in Rice	Assessment	IDM	Rice	Rainfed medium land	07	42.9	54.1	50.3	24907	36757	31739	-
Nayagarh	2015	Kharif	Less yield (173q/ha) and less marketability due to phomopsis blight in brinjal.	Assessment of integrated management for Phomopsis blight in	Assessment	IDM	Brinjal	Irrigated upland	07	209.3	258.5	244.1	67177	94409	84326	-

			Area affected 35%, disease incidence 28%	brinjal												
Nayagarh	2015-16-	Rabi	Severe leaf curl incidence at the initial stages of crop growth reduced yield by 22%,area affected 250ha	Assessment of IPM for leaf curl in chilli	Assessment	IPM	Chilli	Irrigated medium land	07	97.9	121.5	117.2	64350	91578	83274	-
Nayagarh	2015-16	Rabi	Diamond back moth infestations in cabbage, yield reduction 29%, area affected 345ha	Assessment of integrated management for diamond back moth in cabbage	Assessment	IPM	cabbage	Irrigated medium land	07	223.7	261.3	270.6	47936	63992	68650	-
Nayagarh	2015	Kharif	High incidence of weeds, difficulty in irrigating field (A-4561Ha, P-14498T,Y-3.17T/Ha)	Assessment of effect of mulching and drip irrigation in mango	Assessment	ICM	Mango	Irrigated upland	07	-	Continuing	-	-	-	-	-
Nayagarh	2015-16	Kharif	Low profit per unit area due to less no of plants(1000plants/Ha)	Assessment of suitable planting density in banana var. bantal	Assessment	ICM	Banana	Irrigated Medium land	07	-	Continuing	-	-	-	-	-
Nayagarh	2015-16	Rabi	High incidence of bolters , double bulbs and neck rot, low yield from local cultivar	Assessment of onion var. Bhima Shakti in	Assessment	Varietal evaluation	Onion	Irrigated upland	07	216.2	321.4	255.0	1,07,800	176700	119500	var. Bhima Shakti with proper culture and practices is recommende

			(A-232Ha,P-2756MT,Y-11.88T/Ha),23 % area affected.	rice onion cropping system												d for late kharif season
Nayagarh	2015	Rabi	Lees no of fruits/plant low yield (15qtl/ha) high incidence of powdery mildew	Assessment of capsicum varieties in a rice vegetable cropping system	Assessment	Varietal evaluation	Capsicum	Irrigated upland	07	17.8	25.2	-	107000	170700	-	
Nayagarh	2014-15	Kharif	Low production from local variety (40% area affected, 378 Ha,Y-21.45MT/Ha) Non uniform maturity High incidence of disease in sucker raised cultivar	Assessment of tissue cultured banana under upland condition	Assessment	Varietal evaluation	Banana	Irrigated Upland	05	232.8	405.2	-	1,32,300	2,01,200	-	
Nayagarh	2015	Kharif	Low yield due to single harvest with Indian major carps (IMC) like catla, rohu, mrigal, No intermediary income during the culture period, Avg. 65% ponds of ACZ is associated with	Assessment of the performance of new species in carp polyculture system	Assessment	Varietal evaluation	IMC+ medium sized carp	Clay loam rainfed	3	24.8	27.6	-	105800	128800		This OFT will be repeated in kharif 2015 for further evaluation

			the problem													
Nayagarh	2015	Kharif	The cost of ingredients (oil cake and Paddy bran) in traditional feed is increasing and the FCR is more than 3 in fish seed rearing	Assessment of performance of different feed for fry to fingerlings rearing	**Assessment**	Production & management	IMC	Pond based	3	1.52 lakhha	2.21 lakh/ha, 2.14 lakh/ha	-	75500	105500, 104000		This OFT will be repeated in kharif 2015 for further evaluation
Nayagarh	2015-16	Rabi	Application of RCD during winter harbours more pathogens into water and increases susceptibility to fish disease outbreak	Assessment of liquid organic manure (Humic acid) as a substitute for RCD during winter	**Assessment**	Production & management	IMC	Pond based	3	21.6	24.8, 26.7	-	100500	121000, 135600		Application of humic acid (EARTH) 500 ml and urea 5 kg / Ac-m in 7 days interval will increased yield in winter and reduce disease incidence
Nayagarh	2015-16	Rabi	Improper nutritional diet cause less milk yield	Assessment of performance of Azolla as cattle feed	**Assessment**	Nutrition management	Cross bred cow	Open yard	5	continuing						

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3/T4/T5)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3/T4/T5)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3) /T4/T5	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3/T4/T5)
Naya	Assessm			206.8	374	41755		64192	79696		26742	37941		1.7	1.9	

garh	ent of rice hybrids for shallow low land	No of panicles/m 2	192.4	229.6 205.2 219.6	50		44455 41755 41755			84592 79424 84048			40137 37669 42293	1	0	1.90 1.90 2.01	
Naya garh	Assessment of Arhar varieties in rainfed upland	Days to maturity (Days)	237	173	259 60	28460		45838	53836		19878	25376		1.77	1.89		
Naya garh	Assessment of intensified cropping system	Continuing															
Naya garh	Assessment of micronutrient (sulphur) application in sugarcane var. Raghunath	Continuing															
Naya garh	Assessment of IDM for Sheath blight management in Rice	No. of infected plant/m2	10.2	2.9 4.5	35,582	39,524	39,184	60,489	76,281	70,923	24,907	36,757	31,739	1.70	1.93	1.81	
Naya garh	Assessment of integrated	No. of infected fruits/plant	6.2	3.6 4.5	100263	112391	110954	167440	206800	195280	67177	94409	84326	1.67	1.84	1.76	

	management for Phomopsis blight in brinjal															
Nayagarh	Assessment of IPM for leaf curl in chilli	Leaf curl %	18.3	4.2 7.6	82500	90672	92526	146850	182250	175800	64350	91578	83274	1.78	2.01	1.90
Nayagarh	Assessment of integrated management for diamond back moth in cabbage	DBM infestation (%)	22.5	8.7 7.8	63914	66658	66650	111850	130650	135300	47936	63992	68650	1.75	1.96	2.03
Nayagarh	Assessment of effect of mulching and drip irrigation in mango	Continuing														
Nayagarh	Assessment of suitable planting density in banana var. bantal	Continuing														
Nayagarh	Assessment of onion var. Bhima Shakti in rice onion cropping system	Avg. bulb weight (gm)	59,75	75 64	86800	112600	100000	1,94,600	2,89,300	2,29,500	1,07,800	1,76,700	1,19,500	2.2	2.6	2.3

Nayagarh	Assessment of capsicum varieties in a rice vegetable cropping system	Avg. fruit weight (gm)	65	90	77,300	81,300	-	178000	252000	-	100700	170700	-	2.3	3.1	-
	Assessment of tissue cultured banana under upland condition	Avg. bunch weight (kg)	11.2	18.4	147000	163500	-	2,79300	364700	-	132300	201200	-	1.9	2.3	
Nayagarh	Assessment of the performance of new species in carp polyculture system				105000	108500	-	210800	237300	-	105800	128800	-	2.0	2.19	
Nayagarh	Assessment of performance of different feed for fry to fingerlings rearing	Survivability (%), FCR	50.6, 2.7	T2: 73.7, 1.6, T3:71.3, 1.8	76500	115500, 110000	-	152000	221000, 214000	-	75500	105500, 104000	-	1.98	1.91, 1.94	
Nayagarh	Assessment of of liquid organic manure (Humic acid) as a substitute for RCD during winter	Reduce in disease incidence (%), Plankton conc (ml/50l water)	26, 2.1	T2: 4.6,2.3, T3: 3, 2.5	98000	107000, 110000	-	198500	228000, 245600	-	100500	121000,135600	-	2.02	2.13, 2.23	
Naya	Assessme	continuing														

garh	nt of performance of Azolla as cattle feed															

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Nayagarh	2015-16	Kharif	Low yield due to repeated sub culturing and degenerated strain	Assessment of differed hoigh yielding strains of paddy straw mushroom (sp. V.V)	**Assessment**	IGA	The strains OSM-3 OSM- 11, OSM 12 are tolerant to disease, pest and heat and have high biological efficiency	Enterprise	Homestead	13	
Nauyagarh	2015-16	Kharif	Loss of grain due to store grain pest	Assessment of store grain pest management in rice.	**Assessment**	IGA	Use of TNAU make insect trap	Enterprise	Homestead	13	It is highly acceptable

2.4 Economic Performance Home Science OFT:

KVK	OFT	Performance Indicator / Parameter

name	Title	Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Nayagarh	Assessment of differed hoigh yielding strains of paddy straw mushroom (sp. V.V)	0.8kg/bed	0.6kg/bed, T3 1.2kg/bed									0.8kg/bed	0.6kg/bed T3 1.2kg/bed	40	40 T3 40	96	72 T3 144	0.8kg/bed	0.6kg/bed T3 1.2kg/bed	32,632	32S	-	T1: 2.4 T2 : 1.8 T3:3.6
Nayagarh	Assessment of store grain pest management in rice	25.84% grain loss	8.1% grain lossT3 5%grain loss							2 nos of TNAU / bag (50 kg)	1 ample /bag	25.84% grain loss	8.1% grain lossT3 5%grain loss					25.84% grain loss	8.1% grain lossT3 5%grain loss	37.o8kg/50kg of bag rice recover	46 recover3	37	T2:

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Nayagarh	More proven technologies in rain fed areas relevant to small and marginal farmers for field ,vegetable & fruit crops Low cost bio intensive based pest management schedules for rain-fed areas Low cost feed for pangasius cultivation Low cost small implements for drudgery reduction Proper nutrient management in Pointed Gourd is a major concern as Pointed Gourd is a long duration crop. So standardisation of nutrient management practice needs to be done. Hopper type winnower is easy and safe to use than fan type winnower. TNAU trap is handy and effective for rice weevil control. Mango variety Chiranjibi is more preferred than Swarna sampada for value addition

3. Achievements of Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
KVK, Nayagarh	Rice	Varietal evaluation	Performance of rice var. Upahar	Training, leaf lets, exposure visit, video show, news paper	21	240	209
KVK, Nayagarh	Maize	Integrated nutrient mgt.	Performance of INM in Maize	Training, leaf lets, exposure visit, news paper	22	180	220
KVK, Nayagarh	Sugarcane	ICM	Performance of pit method of planting in sugarcane	Training, leaf lets, exposure visit, news paper	13	119	161
KVK, Nayagarh	Sugarcane	ICM	Performance of Sustainable Sugarcane Initiative method of sugarcane cultivation	Training, Farm Visit, Exposure visit, Film show	34	85	30
KVK, Nayagarh	Sugarcane	Varietals evaluation	.Performance of sugarcane var. Co OR 04-152 (Raghunatha)	Training, Farm Visit, Exposure visit, Film show	19	98	24
KVK, Nayagarh	Sugarcane	ICM	Performance of pit method of planting in sugarcane	Training, Farm Visit, Exposure visit, Film show	13	160	17
KVK, Nayagarh	Rice	IDM	IDM for sheath blight in kharif rice	Training leaf lets, exposure visit,	35	194	68
KVK, Nayagarh	Sugarcane	Bio-control of pests & diseases	Biological control for sugarcane borers	Training, Farm Visit, Exposure visit, Film show	16	49	7
KVK, Nayagarh	Bee Keeping	SSIE	Scientific bee keeping	Training, leaf lets, exposure visit, video show, news paper	12	170	118
KVK, Nayagarh	Tomato	Bio-control of pests & diseases	Microbial control for fruit borer in tomato	Training, leaf lets, exposure visit, video show, news paper	32	262	198
KVK, Nayagarh	Poultry	Income generation	Performance of back yard poultry	Training, leaf lets, exposure visit, video show, news paper	15	35	121 Units
KVK, Nayagarh	Mushroom	Mushroom production	Off season rice straw mushroom	Training, leaf lets, exposure visit, video show, news paper	17	149	99
KVK, Nayagarh	Mango	ICM	Plastic mulching in new mango orchard	Training, leaf lets, exposure visit, video show, Kisan mela	12	73	38

KVK, Nayagarh	Yam	Varietal evaluation	Performance of HYV of yam Odisha Elite	Trainings, exposure visit, field day, video show	19	55	37
KVK, Nayagarh	Pumpkin	Varietal evaluation	Performance of HYV of pumpkin, Baidyabati	Trainings, exposure visit, video show, field day	8	39	18 Unit
KVK, Nayagarh	Chilli	Varietal evaluation	Performance of HYV chilli, utkal abha	Trainings, exposure visit, kisan mela, video show	22	48	33
KVK, Nayagarh	Cat fish	Production & mgt.	*Pangasius suchi* culture	Trainings, exposure visit, kisan mela, video show	35	97	67 units
KVK, Nayagarh	IMC	Production & mgt.	Yearling culture practice	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	26	85	-
KVK, Nayagarh	IMC	Disease mgt.	Application of CIFAX	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	5	63	3
KVK, Nayagarh	Poultry	IFS	Dual purpose poultry for farming system	Leaf let, Poster, Training, Group discussion, TV talk, New paper coverage	14	151	-
KVK, Nayagarh	Black pepper	ICM	Introduction of black pepper as an intercrop in mango	Training, Farm Visit, Exposure visit, Film show	29	183	13
KVK, Nayagarh	Teak	ICM	Introduction of stump planting of teak in Agroforestry systems	Training, Group discussion, News paper coverage	7	21	10
KVK, Nayagarh	Teak,Mangium	ICM	Introduction of MPTs in farm lands	Training, Farm Visit, Exposure visit, Booklet	17	35	35
KVK, Nayagarh	Cassava	Value addition	Use of chipsmaker for Tapioca Chips preparation	Training, Group discussion, News paper coverage	8	65	6

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Nayagarh	2015	Kharif	IWM	Demonstration of herbicide Bispyribac sodium application for mgt. of weeds in rice	Rice	MTU 1001	2ha	40.12	47.88	19.34	-	-	7	3	10
Nayagarh	2015	Kharif	Varietal Evaluation	Demonstration of sweet corn var Madhuri	Maize	Sweet corn var Madhuri	1ha	60320 cobs/ha	59360 cobs / ha	-1.59			10		10
Nayagarh	2015-16	Rabi	ICM	Demonstration of Sustainable Sugarcane Initiative (SSI) method of sugarcane cultivation	Sugarcane	Raghunath (CO-OR-04-152)	2ha	continuing			10	-	-	-	10
Nayagarh	2015-16	Rabi	Fodder Cultivation	Demonstration on round the year fodder cultivation	Fodder Sorgum	MP-Chari	1ha	continuing			1	-	6	3	10
Nayagarh	2015	Kharif	IPM	Demonstration on IPM for BPH mgt. in rice	Rice	Pratikshya	2 ha	43.4	52.8	21.66	6	-	2	2	10
Nayagarh	2015	Kharif	IPM	Demonstration on IPM for borer management in maize	Maize	Nilesh	1ha	42.9	51.8	20.74	2	-	2	6	10
Nayagarh	2015-16	Rabi	IDM	Performance of IDM for seed and seedling blight in green gram in rice-greengram cropping system	Greengram	TARM-1	1ha	4.98	6.01	20.68	-	-	3	7	10
Nayagarh	2015-16	Rabi	IDM	Performance of IDM for collar rot in groundnut	Groundnut	Cabbage-139	1ha	13.9	16.7	20.14	1	1	2	6	10

Nayagarh	2015	Kharif	ICM	Demonstration of low cost for seedling rasing during off season	Tomato	Utkal Kumari	10 units	1785 seedlings / 3bed	5125 seedling / 3 bed	187	1	0	8	1	10
Nayagarh	2015	Late Kharif	Varietal evaluation	Demonstration of affrican marigold var. ceracola	Marigold	Affrican marigold var. ceracola	0.8ha	82.58	106.5	29%	0	0	10	0	10
Nayagarh	2015-16	Rabi	Varietal evalution	Demonstration of HYV Brinjal Arka neelanchal shyama	Brinjal	Arka neelanchal Shyama	0.8ha	223.2	248.6	11.2			9	1	10
Nayagarh	2015-16	Rabi	ICM	Control of nut drop in cashew nut	Cashewnut	V4	0.8ha	8.2	12.4	51.2		3	7		10
Nayagarh	2015	Kharif	Production and management	Demonstration of production of stunted fingerlings/ yearlings	Indian Major carp	Demonstration of production of stunted fingerlings/ yearlings	1 acre	22.4	26.1	16.5	-	-	5	-	5
Nayagarh	2015	Kharif	Production and management	Demonstration of fry production in nursery pond	Indian Major carp	Demonstration of fry production in nursery pond	1 acre	8.35 lakh//ha	14.8 lakh/ha	77.2	-	-	4	1	5
Nayagarh	2015	Kharif	Production and management	Demonstration of low cost locally available feed in pisciculture	Indian Major carp	Demonstration of low cost locally available feed in pisciculture	1 ha	21.3	29.1	36.6	-	-	5	-	5
Nayagarh	2015-16	Kharif	Production and management	Demonstration of pond based integrated farming	Khaki Campbell	Demonstration of pond based integrated farming	2 no	23.8	34.4	44.5	-	-	2	-	2

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Nayagarh	Demonstration of herbicide Bispyribac sodium application for mgt. of weeds in rice	Rice	WCE	74.7%	86.1%	37400	34500	54563	65117	17163	30617	1.46	1.88
Nayagarh	Demonstration of sweet corn var Madhuri	Maize	Avg no of seed rows/cob Avg no of seed /row Average cob length (cm)	14 34 22.5	14 30 20.5	39750	40750	120640	139496	80890	98746	3.04	3.43
Nayagarh	Demonstration of Sustainable Sugarcane Initiative (SSI) method of sugarcane cultivation	Sugarcane	continuing										
Nayagarh	Demonstration on round the year fodder cultivation	Fodder Sorgum	continuing										
Nayagarh	Demonstration on IPM for BPH mgt. in rice	Rice	BPH population/hill	15.8	4.6	36643	38775	61194	74448	24551	35673	1.67	1.92
Nayagarh	Demonstration on IPM for borer management in maize	Maize	Dead heart (%)	17.3	5.8	33048	35935	56843	68635	23795	32700	1.72	1.91

Nayagarh	Performance of IDM for seed and seedling blight in green gram in rice-greengram cropping system	Greengram	Seedling blight (%)	22.1	8.9	13866	15025	23157	27947	9291	12922	1.67	1.86
Nayagarh	Performance of IDM for collar rot in groundnut	Groundnut	Collar rot (%)	21.87	8.7	33343	35609	56017	67301	22674	31692	1.68	1.89
Nayagarh	Demonstration of low cost for seedling rasing during off season	Tomato	Germiniation (%)	34	74	1300/3 bed	1500/3bed	1785	5125	465	3625	1.4	3.4
Nayagarh	Demonstration of affrican marigold var. ceracola	Marigol d	Flowers / plant (no)	62	80	105500	106500	189900	266250	84400	159700	1.8	2.5
Nayagarh	Demonstration of HYV Brinjal Arka neelanchal shyama	Brinjal	Average fruit weight(g)	80	92	80100	84500	1011600	1024300	31500	39800	1.39	1.47
Nayagarh	Control of nut drop in cashew nut	Cashewnut	Average not weight (g)	4.0	5.8	26400	30500	82000	1024000	55600	93500	3.1	4.0
Nayagarh	Demonstration of production of stunted fingerlings/ yearlings	Indian Major carp	Survivability(%), plankton conc. (ml/50 lit. water)	22.1, 1.7	52.3, 2.4	93500	98000	201600	261000	108100	163000	2.16	2.66
Nayagarh	Demonstration of fry production in nursery pond	Indian Major carp	Survivability(%), plankton conc. (ml/50 lit. water)	16.7, 1.8	29.6, 2.3	77500	103000	116900	222000	39400	119000	1.51	2.15
Nayagarh	Demonstration of low cost locally available feed in pisciculture	Indian Major carp	FCR	3.63	2.54	94500	146500	187400	261900	92900	115400	1.98	1.78
Nayagarh	Demonstration of pond based integrated farming	Khaki Campbell	-	-	-	131500	160800	238000	344000	1065000	183200	1.81	2.14

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
NAYAGARH	2015-16	rABI	Drudgery reduction	**Less output (Avg. 34.5kg/hr), more drudgery and unsafe for farmwomen by use of fan ty**	**Demonstration of use of manually operated hopper type paddy winnower to reduce drudgery of farmwomen**	Paddy	**Paddy**	Homestead	1unit	10
Nayagarh	2015-16	Kharif	IGA	**Low yield (1.2 kg/bird/6 month) from local breeds and low income**	**Demonstration on backyard poultry (Vanaraja)**	Poultry	**Banaraja**	Homestead	5unit	5
Nayagarh	2015-16	Rabi	Drudgery reduction	**Less output and high drudgery of women in traditional**	**Demonstration on use of sunflower thresher by farm women**	Sunflower	**Sunflower**	Homestead	3unit	10

				threshing method						

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Nayagarh	Demonstration of use of manually operated hopper type paddy winnower to reduce drudgery of farmwomen	34.5	72.6	9.19	9.0	114	127		2.06		110										368	T1: 60 T2: 80	T1: 4.6 T2: 5.6
nNayagarh	Demonstration on backyard poultry (Vanaraja	1.2kg/ body wt	2.8kg/bodywt									1.2kg/ body wt	2.8kg/ body wt	60	80	276	448	1.2kg/ body wt					
Nayag	Demonst	6.2	12.9	10.	8.	1	1		18.		108.												

arh	**ration on use of sunflowe r thresher by farm women**			**86**	**45**	**1 2**	**2 5**		**43**		**06**												

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Nayagarh	rice	Field days	2	100	-
		Farmers Training	10	250	
		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Maize	Field days	2	100	-
		Farmers Training	2	50	-
		Media coverage	1	--	-
		Training for extension functionaries			
Nayagarh	Sugarcane	Field days	1	50	-
		Farmers Training	3	75	-
		Media coverage	2	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Marigold	Field days	1	50	-
		Farmers Training	1	25	-

		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Green gram	Field days	01	50	-
		Farmers Training	01	25	-
		Media coverage	-	-	-
Nayagarh	Ground nut	Training for extension functionaries	-	-	-
		Farmers Training	01	25	-
		Media coverage	-	-	-
		Training for extension functionaries	-	-	-
Nayagarh	IMC	Field days	1	50	-
		Farmers Training	4	100	-
		Media coverage	4	-	-
		Training for extension functionaries	1	20	-
Nayagarh	IMC	Field days	1	50	-
		Farmers Training	1	25	-
		Media coverage	1	-	-
		Training for extension functionaries	-	-	-
Nayagarh	Cassava	Field days	1	50	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-

Nayagarh	Paddy straw mushroom	Field days	1	50	-
Nayagarh		Farmers Training	2	50	-
Nayagarh		Media coverage	1	-	-
Nayagarh		Training for extension functionaries	-	-	-
Nayagarh	Mustard	Field days	1	50	-
Nayagarh		Farmers Training	1	25	-
Nayagarh		Media coverage	-	-	-
Nayagarh		Training for extension functionaries	-	-	-

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	**Nayagarh**	**Maize**	**Nilesh**	**Institute**	**10**	**1ha**

4. Feedback System

4.1. Feedback from KVK to Research System.

Name of KVK	Feedback
Nayagarh	More proven technologies in rain fed areas relevant to small and marginal farmers for field ,vegetable & fruit crops Low cost bio intensive based pest management schedules for rain-fed areas Low cost feed for pangasius cultivation Low cost small implements for drudgery reduction Proper nutrient management in Pointed Gourd is a major concern as Pointed Gourd is a long duration crop. So standardisation of nutrient management practice needs to be done. Hopper type winnower is easy and safe to use than fan type winnower. TNAU trap is handy and effective for rice weevil control. Mango variety Chiranjibi is more preferred than Swarna sampada for value addition

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Nayagarh	F/FW	Group discussion	10.04.2015 Singhapada	25
Nayagarh	F/FW	Group discussion	14.05.2015 Gadiasahi, Nua Gadiasahi	25
Nayagarh	F/FW	Group discussion	22.05.2015 . Fategarh	25
Nayagarh	F/FW	Group discussion	18.06.2015 Aonlamada	25
Nayagarh	F/FW	Group discussion, field visit, survey	08.07.2015 Darpanarayanpur	20
Nayagarh	F/FW	Group discussion, field visit, survey	12.08.15 Anlamada, Gopalipada	25
Nayagarh	RY	Group discussion	17.09.15 KVK campus	20
Nayagarh	RY	Group discussion, field visit	26.09.15 Janisahi, Dalaksahi, Digiri	25
Nayagarh	F/FW	Group discussion, field visit	14.10.15 Nuasgaon, lingiribari,Lunisara	22
Nayagarh	F/FW	Group discussion	11.11.15 Giridipalli, Bhanrapalli	25
Nayagarh	F/FW	Group discussion, field visit, local resources available	20.11.15 Fategarh,Singapada	25
Nayagarh	RY	Group discussion	05.12.2015 KVK Campus	25
Nayagarh	F/FW	Group discussion, field visit	15.12.15 Mardarajpur,anlamada,ladukesharpur	18
Nayagarh	F/FW	Group discussion, field visit	06.01.2016 Anlamada, Jogiapalli, Gunthuni	21
Nayagarh	F/FW	Group discussion, field visit	05.02.2016 Balugaon,	25
Nayagarh	RY	Group discussion with SHG members	14.03.2016 KVK campus	15
Nayagarh	IS	Group discussion NGO workers, Krushak club members & krusaksathi	06.03.2016 KVK campus	15

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

1. **Training programmes should be strictly covered under above mentioned thematic areas only,**
2. **For category, training type and thematic area, mention code/abbreviations only**

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	ONC	CRP	Hybrid rice cultivation	1	1	1	2	1	0	0	0	20	3
Nayagarh	FW	ONC	CRP	IWM in Rice	1	2	2	0	0	0	0	0	21	2
Nayagarh	IS	ONC	CRP	SRI method of rice cultivation	1	1	10	3	0	0	0	0	9	3
Nayagarh	FW	OFC	CRP	INM in Hybrid rice cultivation	1	1	12	0	0	0	0	0	13	0
Nayagarh	FW	OFC	CRP	Sweet corn cultivations	1	1	5	3	0	0	0	0	14	3
Nayagarh	FW	ONC	PLP	IPM for stem borer, BPH, Gandhi bug & cut worm in rice	1	2	11	0	6	0	0	0	8	0
Nayagarh	FW	ONC	PLP	IDM for sheath blight, blast and BLB diseases in rice	1	2	13	0	1	0	0	0	11	0
Nayagarh	FW	ONC	PLP	Integrated disease mgt. in vegetable nursery	1	2	5	0	7	0	0	0	13	0
Nayagarh	FW	ONC	PLP	IPDM in solanaceous vegetables	1	2	12	0	4	0	0	0	9	0
Nayagarh	FW	ONC	PLP	IPM for major sucking pests in oilseed crops	1	2	8	0	3	0	0	0	14	0
Nayagarh	FW	OFC	PLP	IPM for borer management in maize	1	1	6	0	4	0	6	0	9	0
Nayagarh	FW	OFC	PLP	Biological control of sugarcane borers	1	1	10	0	6	0	0	0	9	0
Nayagarh	IS	ONC	PLP	Modern pest control methods in managing insect pests of crops	1	2	6	2	4	0	0	0	12	1
Nayagarh	FW	OFC	PLP	IPM for major insect pests of cole crops	1	1	6	0	4	0	0	0	15	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	OFC	HOF	Planting techniques in mango	1	1	4	0	0	0	0	0	21	0
Nayagarh	FW	OFC	HOF	Mulching in fruit & vegetable crops	1	1	3	0	0	0	0	0	16	6
Nayagarh	FW	ONC	HOF	Planting & irrigation management in banana	1	2	7	0	1	0	1	0	16	0
Nayagarh	FW	OFC	HOO	Planting & intercultural operations in late kharif marigold	1	1	5	0	1	0	0	0	14	0
Nayagarh	FW	ONC	HOV	Techniques of seedling raising & planting in onion	1	2	5	0	0	0	0	0	20	0
Nayagarh	IS	ONC	HOF	Rejuvenation of senile mango orchards	1	2	2	0	0	0	0	0	23	0
Nayagarh	FW	ONC	HOV	Training & nutrient management in capsicum	1	2	6	0	2	0	0	0	17	0
Nayagarh	FW	OFC	HOV	Cultural management of brinjal crops	1	1	1	3	0	0	0	0	21	9
Nayagarh	FW	ONC	HOF	Management of cashewnut orchards	1	2	1	0	2	0	0	0	22	0
Nayagarh	FW	OFC	FIS	Pisciculture in community pond	1	1	0	0	14	0	0	0	11	0
Nayagarh	FW	OFC	FIS	Nursery pond management	1	1	0	0	1	0	0	0	21	3
Nayagarh	IS	OFC	FIS	Species diversification in freshwater aquaculture	1	2	1	1	1	0	0	0	16	6
Nayagarh	FW	ONC	FIS	Ornamental fish culture for livelihood	1	2	2	-	3	0	0	0	20	0
Nayagarh	FW	ONC	FIS	Scientific pisciculture	1	2	3	0	1	0	1	0	20	0
Nayagarh	FW	ONC	LPM	Azolla production	1	2	0	0	3	3	0	0	18	1
Nayagarh	FW	ONC	FIS	Value addition of freshwater fish	1	2	0	0	0	2	0	0	0	23
Nayagarh	FW	OF C	WOE	Value added product s making from cereals and pulses	1	1	0	0	0	0	0	0	0	25

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	OF C	WOE	Paddy straw mushroom cultivation commercial ization and marketing	1	2	0	0	0	0	0	0	14	11
Nayagarh	FW	OF C	WOE	Healthy nutritional practices	1	1	0	0	0	0	0	0	0	25
Nayagarh	FW	OF C	WOE	Women SHG conveners meeting	1	1	0	0	0	0	0	0	0	25
Nayagarh	FW	OF C	WOE	Oyster mushroom cultivation	1	2	0	0	0	0	0	0	0	25
Nayagarh	FW	OF C	WOE	Location specific drudgery reduction technology	1	1	11	14	0	0	0	0	0	0
Nayagarh	FW	OF C	WOE	Backyard poultry rearing for income generation	1	1	20	5	0	0	0	0	0	0
Nayagarh	FW	OF C	WOE	Commercial cultivation of rice straw mushroom	1	1	0	0	0	0	0	0	16	9
Nayagarh	IS	ONC	WOE	Entrepreneurship development	1	1	0	0	0	5	0	1	0	19
Nayagarh	FW	OFC	CBD	Weed mgt. in rice	1	1	0	0	10	0	0	0	15	0
Nayagarh	FW	OFC	CBD	Technology for increasing Oilseed Production	1	1	2	5	0	0	0	0	9	9
Nayagarh	FW	ONC	CBD	Maintenance & use of sprayer	1	2	2	0	7	0	0	0	16	0
Nayagarh	IS	ONC	CBD	Management of Training Programme	1	1	2	0	3	0	0	0	19	1
Nayagarh	FW	ONC	CBD	Market led extension	1	2	3	0	4	0	2	0	16	0
Nayagarh	FW	ONC	CBD	Co-operative and contract farming	1	2	0	0	7	0	0	0	18	0
Nayagarh	IS	ONC	CBD	Participatory project mgt in rural sector for sustainable livelihood	1	1	2	0	1	0	2	0	19	0
Nayagarh	FW	ONC	AGF	Medicinal plants identified for the district, their uses and cultivation	1	1	10	0	5	0	0	0	10	0
Nayagarh	FW	OFF	AGF	Agroforestry system for rainfed as well as irrigated agro ecosystem	1	1	5	0	0	0	0	0	20	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Nayagarh	FW	OFC	AGF	Bamboo as an component in IFS and its propagation methods(Culm Cutting)	1	1	5	0	5	0	5	0	10	0

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Nayagarh	Bee keeping	Apiculture	Income generation	5	3	0	7	0	3	0	7	0
Nayagarh	IPM in vegetables	Vegetables	IPM	4	5	0	4	0	0	0	11	0
Nayagarh	Quality planting material production of fruit crops	Mango, lime, guava	Income generation	3	4	2	2	2	5	5		
Nayagarh	Techniques of nursery raising in vegetable crops	Vegetables	Income generation	5	1	0	0	0	19	0	0	0
Nayagarh	Scientific method of pulse production	Pulse	ICM	5	0	0	10	0	0	0	10	0
Nayagarh	Mushroom spawn production	Spawn production	IGA	5	10	10	0	0	0	0	0	0
Nayagarh	Integrated fish farming	IFS	Income Generation	5	1	0	1	0	0	0	15	3
Nayagarh	Production practices of fry, fingerlings and stunted fingerlings/ yearlings Aug	Fish seed production	Income Generation	5	5	0	1	0	0	0	14	0
Nayagarh	Quality planting material production in forest crops	Teak, mangium, red sanders	Income generation	5	2	2	2	2	10	2		

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Nayagarh	MPTs their uses, planting and planting material production	Nursery	7	18	14
Nayagarh	Integrated fish farming	Pond based farming	17	22	12
Nayagarh	Bee Keeping	Apiary	45	85	28
Nayagarh	Quality planting material production of fruit crops	Nursery	7	14	17

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Nayagarh	Fish production and its management	FIS		RY	30	1	0	0	21	0	3	0	6	0	IWM programme of Odisha Watershed Development Mission	4,39,500
	Organic farming system	Organic farming		FW	2	1		0	20	0	2	0	3	0	FIAC, Nayagarh	
	Increasing production and productivity of oil seed crops	ICM		FW		1	0	0	20	0	0	0	0	0	FIAC, Ranpur	

	Scientific Cashew cultivation	ICM		FW	3	1	0	5	0	38	3	0	4	0	AICRP on cashew, OUAT, Bhubaneswar	

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
KVK, Nayagarh	Planting techniques in Sugarcane	25	40	74	897	1120	107640	134400	1. 10 ha 2. Out of 25 trainees, 20 trainees adopted the recommended planting technique. 3. (i) Knowledge – 85% (ii) Production – 26% (iii) Income – 26%
KVK, Nayagarh	Ratoon Management in sugarcane	25	45	78	783	972	93960	116640	1. 15 ha. 2. Out of 25 trainees, 23 trainees adopted the recommended ratoon management of practices in sugarcane. 3. (i) Knowledge – 73% (ii) Production – 24% (iii) Income – 24%
KVK, Nayagarh	Use of bio inoculants in pulses	25	41	76	2.5	4.0	15000	24000	1. 25 ha 2. Out of 25 trainees, 24 trainees adopted the recommended practice of bio inoculation in pulses. 3. (i) Knowledge – 85% (ii) Production – 60% (iii) Income – 60%

KVK, Nayagarh	Techniques of rouging for increasing seed quality in rice	75	43	80	37.5	42.0	33750	37800	1. 40 ha 2. Out of 50 trainees, 40 trainees adopted the recommended practice of rouging in rice. 3. (i) Knowledge – 86% (ii) Production – 12% (iii) Income – 12%
KVK, Nayagarh	IPM for major sucking pests in oilseed crops	25	43	71	11.87	15.46	29675	38651	1. Area expanded 30 ha. 2. Farmers adopted 15. 3. (i) Knowledge – 65.11% (ii) Production – 30.24% (iii) Income – 30.21%
KVK, Nayagarh	IMP for major insect pest in sunflower	25	38	58	14.18	11.56	16000	24030	1. Area expended 21 ha. 2. Farmers adopted 21. 3. (i) Knowledge – 52.63% (ii) Production – 22.67% (iii) Income – 50.19%
KVK, Nayagarh	IPM for fruit and shoot borer in brinjal	25	46	77	263.46	180.13	65300	98800	1. Area expanded 35 ha. 2. Farmers adopted 23 3. (i) Knowledge – 67.39% (ii) Production – 46.26% (iii) Income – 51.31%
KVK, Nayagarh	Use of CIFAX	25	38	57	0	17.4	0	89000	1.Area expanded (ha)-37 2.No. of farmers adopted (no.)-13 3.% change in knowledge-50 Production-49 Income-18
KVK, Nayagarh	Multiple fish culture practice	25	43	67	17.5	22.9	70000	79000	1.Area expanded (ha)-49 2.No. of farmers adopted (no.)-17 3.% change in knowledge-56 Production-31 Income-13
KVK, Nayagarh	Fish pickle preparation	20	12	45	0	.05	0	5000	1.Area expanded (ha)-2 2.No. of farmers adopted (no.)-7 3.% change in knowledge-275 Production-25 Income- 19

KVK, Nayagarh	Fish diseases mgt.	25	12	58	15.4	18.9	67000	78000	1.Area expanded (ha)-34 2.No. of farmers adopted (no.)-9 3.% change in knowledge-383 Production-23 Income-16
KVK, Nayagarh	Pond based farming system	25	45	69	17.5	25.4	67000	89000	1.Area expanded (ha)-43 2.No. of farmers adopted (no.)-18 3.% change in knowledge-53 Production-45 Income-33
KVK, Nayagarh	Training on medicinal plants	25	50	65	-	-	-	-	1.All farmers who attented planted 2 medicinal plant species viz.,sandal and pippili in their backyard 2. Knowledge:30%
KVK, Nayagarh	Training on home stead planting	25	40	60	0.4	-		-	1. 0.1ha 2. Out of 25 trainees 5 farmers did tree planting on their homestead 3.50% increase in knowledge
KVK, Nayagarh	Training on collection and processing of kendu leaves	25	75	80	-	-	-	-	1. All 25 farmers adopted the technique on an exciting area of 0.25 ha. 2. Knowledge increased by 6.7%
KVK, Nayagarh	Training on sal seed collection, processing and grading	25	30	50					1. Three more farmers started collection sal seeds 2. Knowledge increase 67%
KVK, Nayagarh	Training on watershed management practices	15	70	80	-	-	-	-	Knowledge increased 14%
KVK, Nayagarh	Quality planting material production in fruit crops	20	32	45	-	-	50000	82000	1.No. of farmers adopted (no.)-18 2.% change in knowledge-41 Income-64
KVK, Nayagarh	Improved technology of kharif marigold planting	25	38	57	37.8	49.8	44100	81750	1.Area expanded (ha)-5 2.No. of farmers adopted (no.)-18 3.% change in knowledge-50 Production31 Income-85

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
	Field Day	21	16	543	98	159	0	21	6			
	Kisan Mela	2	2	453	208	284	135	33	8			
	Kisan Ghosthi	2	3	49	7	19	5	0	0			
	Exhibition	2	4	638	309	313	155	52	24			
	Film Show	60	60	736	357	394	107	3	0			
	Method Demonstrations	2	2	28	9	5	2	4	2			
	Farmers Seminar	2	3	33	12	9	7	2	0			
	Workshop	4	4	0	0	0	0	0	0			
	Group meetings	46	46	115	190	200	53	0	0			
	Lectures delivered as resource persons	16	19	86	21	19	8	0	0			
	Newspaper coverage	15	54	0	0	0	0	0	0			
	Radio talks	8	8	0	0	0	0	0	0			
	TV talks	2	2	0	0	0	0	0	0			
	Popular articles	8	8	0	0	0	0	0	0			
	Extension Literature	15	15	0	**0**	**0**	**0**	0	0			
	Farm advisory Services	90	90	0	0	0	0	0	0			
	Scientific visit to farmers field	180	362	535	205	197	145	0	0			
	Farmers visit to KVK	400	346	160	81	105	0	0	0			
	Diagnostic visits	61	61	120	21	15	10	0	0			
	Exposure visits	2	2	20	0	0	0	0	0			
	Ex-trainees Sammelan	2	2	47	12	18	23	0	0			
	Soil health Camp	2	2	74	11	12	3	0	0			
	Animal Health Camp	2	2	15	14	16	15	0	0			
	Agri mobile clinic	0	0	0	0	0	0	0	0			
	Soil test campaigns	2	2	80	8	6	6	0	0			
	Farm Science Club conveners meet	1	1	15	0	5	0	0	0			
	Self Help Group conveners meetings	4	4	0	80	60	60	0	0			
	Mahila Mandals conveners meetings	1	1	0	10	0	5	0	0			
	Celebration of important day(Women in Agriculture)	1	1	0	43	0	7		3			

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Nayagarh	April-June	Quaterly	500	500
Nayagarh	July-Sept	Quaterly	500	500
Nayagarh	Oct- December	Quaterly	500	500
Nayagarh	January- March	Quaterly	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Nayagarh	Compendium	Fish production and its management	Dr. S. Sahu	40
Nayagarh	Leaflet	Acid soil management	Mr. T. K. Ray	1000
Nayagarh	Leaflet	Scientific production technique green gram cultivation	Mr. T. Badjena	1000
Nayagarh	Leaflet	Yearling production	Dr. S. Sahu	1000
Nayagarh	Leaflet	Scientific production technique Mustard cultivation	Mr. T. Badjena	1000
Nayagarh	Leaflet	IPDM in brinjal	All Scientist	500
Nayagarh	Booklet	Major technological intervention of KVK	All Scientist	500
Nayagarh	Booklet	Women friendly equipment	All Scientist	500

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Nayagarh	**DVD**	**Visiting spot of KVK, Nayagarh**	
Nayagarh	**CD**	**Farmers fair of Karabar**	

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Nayagarh	Fruit	Papaya	Red lady	492	3834		
Nayagarh		Mango graft	Dasheri	1010	3300 (900 grafts of Rs 27000 in stock)		
Nayagarh		Drum stick	PKM-1	230	1900		
Nayagarh	Vegetables	Vegetable seedlings	Tomato, Brinjal,	14300	27750		
Nayagarh	Forest	Forest crop	Bamboo	1220	6100		
Nayagarh	Vermi compost	Vermin compost	E.foetida	1815	14520		
Nayagarh	Poultry	Poultry	Vanaraja		55000		
Nayagarh	Ornaments	Marigold	Ceracola	1100	11550		
Nayagarh	Mushroom	Mushroom spawn bottle	V.Volvacia	996	19280		
Nayagarh		Mushroom	V.Volvacia	74.6	6960		
Nayagarh	Honey	Honey	A. Indica	25kg	7500		
Nayagarh	Fishery	Colour fish	Guppy, Molly, platy	510	2550		

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Nayagarh	**vermicompost**		**1815kg**				
Nayagarh	**Azolla**		**13.6kg**				
Nayagarh	**Paddy straw**		**49.6kg**				

	mushroom						
Nayagarh	**Oyster mushroom**		**25kg**				

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Nayagarh	Poultry	Vanaraja	21days chick	1100nos	55000	42
Nayagarh	Livebearer ornamental fish	Guppy, molly, platy		510	2550	16

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far:

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Nayagarh	-	-`	-	80				

9.2 Details of water samples analyzed so far : NA

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Nayagarh		`						

10. Rainwater Harvesting:NA

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

11. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)
Nayagarh	April	2015-16	Organic farming system	2 days	25	2	April	2015-16
Nayagarh	November	2015-16	Increasing production and productivity if oilseed and pulses courses	5 days	20	5	November	2015-16
Nayagarh	Sept- Oct	2015-16	Fish production and its management	30 fays	30	30	Sept- Oct	2015-16
Nayagarh	March	2015-16	Scientific cashew cultivation	3 days	50	3	March	2015-16

12. Utilization of Staff Quarters facilities :NA

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
	-	-	-	-	-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Nayagarh	16.7.15	18	✓ OFT on kharif tomato ✓ OFT on irregular bearing in mango ✓ Awareness / training Programme on ✓ Organic farming, ✓ SRI, ✓ Vermicompsting
	4.1.16	22	✓ Assessment of new strains of paddy straw mushrooms ✓ Value addition from jackfruit ✓ Training on value addition from fruits and vegetables ✓ Programme on seasonal & perennial fodder production ✓ Demonstration on yearling practices in aquaculture system ✓ Training on establishment of nursery pond

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK	No. of	No. of beneficiary	Sponsoring agency (NIC, Farmers Portal,	Major recommendations

Name	messages sent			etc.)	
		Farmers	Ext. Pers.		
Nayagarh	68	5215	68	Farmers portal	ICM, IPM, IDM, IWM, Awareness, Livestock, Fishery, Mushrooms, Weather forecast

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Nayagarh	ATMA	State	20000	Farmers scientist interaction	Acid soil management	
Nayagarh	ATMA	State	5000	Preparation of leaflet	IPDM in brinjal scientific production technique on green gram, mustard cultivation yearling production acid soil management	
Nayagarh	ATMA	State	20000	Exhibition	Display of new technology	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Nayagarh	33991533548	2,79,118	3,35,493	

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Nayagarh	5	Farmer	OUAT,BBSR KVK, Nayagarh	

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)

	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Nutritional security	1

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1.	Nayagarh	Mr. Ullash Sahoo	Income generation (mushroom)	Kalikaprasad, Ph.no-9938272844
2.	Nayagarh	Mr. Bipra Charan Biswal	SSIE (Motor bed winnower)	Janisahi, Ph.no-9658737278
3.	Nayagarh	Mr.Sumanta Sundaray	Manual operated trolly	Manapur Ph.No-7504562566
4.	Nayagarh	Mr.Pabitra Khuntia	Low cost lifter	Gholasahi Ph.no.9937224235
5.	Nayagarh	Mr.Shyama sundar Nayak	New innovative idea regarding line sowing in greengram	Biridi- Ph.No 9853532468
6.	Nayagarh	Mr.Suryamani Nayak	Direct seeding od sugarcane buds in main field instead of using protray	Anlamada- Ph.No 9938420530

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	27.06.2015	500
2	15.01.2016	500

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive

Nayagarh	8	8	65	152

Intensive- OFTS, FLDS etc
Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	KVK, Ganjam-I	Man power, Technology, Inputs	Vermi rearing and hatchery
2	KVK, Kandhamal	Man power, Technology, Inputs	Production technology of local turmeric variety
3	KVK, Puri	Man power, Technology, Inputs	

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Nayagarh	Prof. P. N. Jagdev	7.5.2015		**Dean**		**KVK visit**
Nayagarh	Prof. S.K. Rout,	16.07.15		**Dean, DEE, OUAT**		**Attended SAC meeting & farmers fair**
Nayagarh	Sj. H. K. Padhi,	16.07.15			**Collector & DM, Nayagarh**	**Attended SAC meeting**
Nayagarh	Dr. P. Jayasankar,	16.10.15	**Director, CIFA, Bhubaneswar**			**KVK visit**

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
	Nayagarh	**Blocked**		

26. E-CONNECTIVITY :NA

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

27. Status of RTI :NA

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Nayagarh	**Mr. T.K. Ray**	**Scientist , PP**	**1**	
Nayagarh	**Dr. S. Sahu**	**Scientist, Fishery**	**2**	
Nayagarh	**Mrs B. Rout**	**Scientist, Home Science**	**1**	
Nayagarh	**MRs. S. Diwvedy**	**Scientist, Ag Engineering**	**1**	
	Total		**5**	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Nayagarh	**4**	**5**

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Nayagarh	**Mr. T. Badajena**	**Scientist, Agril Extension**	**2**	
Nayagarh	**Dr. Amitabh Panda**	**Sr. Scientist & Head**	**2**	
Nayagarh	**Mr. B. K. Parimanik**	**P.A Forestry**	**1**	
	Total		**5**	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Nayagarh	**3**	**5**

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Nayagarh	**Dr. S. Sahu**	**Scientist, Fishery**	**1**	**Winter school**
Nayagarh	**Mr. T.K.Ray**	**Scientist, Plant protection**	**1**	**Training**
Nayagarh	**Mrs. Bijayalaxmi Rout**	Scientist, Home Sc.	**1**	**Training cum workshop**

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Nayagarh	**3**	**3**

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Nayagarh	Awareness campaign on bio-control of pests	1	50	Bio-control in sugarcane
Nayagarh	Farmers-scientists interaction	2	100	Prospects of off- season vegetable cultivation
Nayagarh	Exhibition	1	50	Scientific technologies on various crop & livestock's
Nayagarh	Film show	5	250	IPM, IDM, INM, IWM, mushroom cultivation, vermin-composting, varietal diversification in rice & vegetables
Nayagarh	Soil health Awareness campaign	2	100	-
Nayagarh	Road show	1	-	Latest Scientific technologies on various crop & livestock's
Nayagarh	Diagnostic Practical's			
Nayagarh	Distribution of Literature (No.)	1	40	Scientific cultivation of rice, sugarcane, pulses, apiculture, vermin-composting
Nayagarh	Distribution of Seed (q)			
Nayagarh	Distribution of Planting materials (No.) 150 nos (*A mangium*, teak & papaya saplings)	1	50	*A mangium*, teak & papaya
Nayagarh	Bio Product distribution (Kg)			
Nayagarh	Bio Fertilizers (q)	-	-	-
Nayagarh	Distribution of fingerlings (No)			
Nayagarh	Animal health camp	1	50	All kinds of livestock
Nayagarh	Total number of farmers visited the technology week	15	710	

34. INTERVENTIONS ON DROUGHT MITIGATION: NA

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

35. Proposal of NICRA:NA

1. **Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. **Proposed Extension Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. **Proposed Training Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4. **Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

6. **Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

7. Feedback of Farmers for future improvement, if any.

36. Proposed works under NAIP (in NAIP monitoring format)

37. Case study / Success Story to be developed – Two best only in the following format

Name of the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Naygarh	1	-

Success story -1

POND BASED INTEGRATED FARMING SYSTEM

DETAILS

NAME	**SURESH KUMAR SAHOO**
FATHERS NAME	LATE RAHATA SAHOO
VILL	DHUSUMA
GP	ANGISINGI
BLOCK	ODAGAON
DIST	NAYAGARH
AGE	43
QUALIFICATION	GRADUATE
FAMILY MEMBERS	4
LAND AREA	3.8AC

Mr. Suresh Kumar Sahoo S/O Late RahatSahoo of Dhusumavillage of Odagaon block of Nayagarh district of Odisha is a graduate of age about 43 years. He was having a land of 1.52Ha which was situated around 2km away from his house at village. The land was situated near to canal where irrigation was available during the Kharif season. He was having family members of four including himself, mother, wife and son. After the death of his father he has planned for the development of the land for the agricultural purpose. During in the year 2007-08 he initially started banana plantation around 0.8Ha land after developing the land by cutting the bushes and land leveling. After plantation of banana he has gone for around 0.12Ha land for vegetable for home consumption. He faced marketing problem during harvesting of banana and faced loss due to lesser price of the banana in the local market. In the next year after removing the banana plant again planted tissue culture banana “Bantal” along with vegetables for

home consumption. Due to natural calamity of heavy wind during the harvesting stage again same problem arises but in that year it was not loss with less profit.

In the year 2009-10 he came across KVK, Nayagarh which is situated around 28km from his village. One day he came to KVK and discussed with all the scientist of the KVK and the entire scientist decided to visit his farm. After visit to his farm a detain plan was prepared for the development of his farm considering all the resources available and his interest along with the farming situation.

YEAR	**ACTIVITIES**	**SIUATION**	
2007-08	BANANA, VEGETABLE	LOSS	
2008-09	BANANA, VEGETABLE	NO LOSS NO PROFIT	
2009-10	POND CONSTRUCTION, VEGETABLES	Rs. 30,000 profit	KVK INTERVENTION
2010-11	FISHERIES, DUCKERY, VEGETABLES	Rs. 70,000 profit	KVK INTERVENTION
2011-12	FISHERIES, FISH SEED PRODUCTION, MOONG, INTERCROPPING, VEGETABLES	Rs. 1,86,115 profit	KVK INTERVENTION
2012-13	FISHERIES, YEARLING, MOONG, INTERCROPPING, VEGETABLES	Rs 2,50,000	KVK INTERVENTION
2013-14	FISHERIES, YEARLING, , MANGO	Rs 2,85,000	KVK INTERVENTION

38. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem) –

<table>
<tr><td> 
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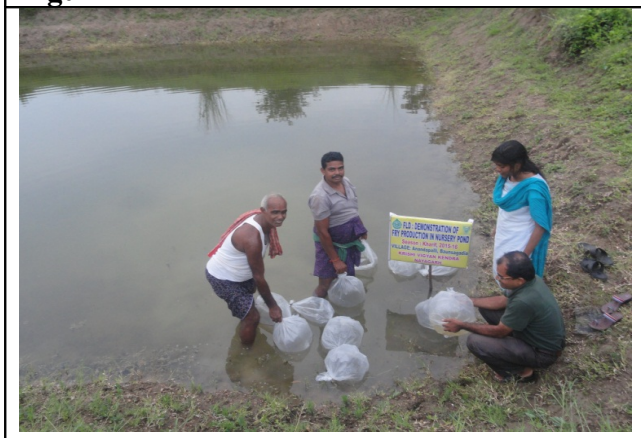
<tr><td>Spraying in OFT Trial on Sheath blight in rice</td><td>T2 and T3 plots are in maturity stage</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>Rice hybrid Arize 6444 gold at maturity stage</td><td>Rice hybrid Rajlaxmi</td></tr>
</table>

	
Making alleys: A good cultural practice for BPH mgt	**FLD plot ready for harvesting**
	
Stocking of spawn in nursery pond	**Harvesting of fry**

	
Demonstrating bud removal using bud chipper machine	**Observation of no of tillers/plant**
	
Farmers ,line deptt. Officers and sugarcane scientists visiting SSI plots	