

Annual Report

(2017-18)

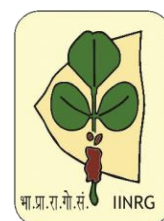
KVK, Khunti

At Diyankel, Torpa, Khunti



**ICAR-INDIAN INSTITUTE OF NATURAL RESINS
AND GUMS**

Namkum, Ranchi



Annual Report
(2017-18)
KVK, Khunti
At Diyankel, Torpa, Khunti (Jharkhand)
ICAR- IINRG, Namkum, Ranchi-834010
Jharkhand

Executive Summary:

During Rabi summer 2017, 25 CFLD under NFSM having area of 10 ha were conducted on Green gram covering 50 farmers. During Kharif 2017, 25 CFLD under NFSM having area of 10 ha were conducted on Pigeon pea covering 39 farmers. 5 FLD on Paddy variety “Sahbhagi” having area of 2 ha covering 7 farmers were conducted. During Rabi 2017-18, 25 CFLD under NFSM having area of 10 ha were conducted on Chick pea covering 40 farmers.

Two Off Campus training of farmers on cultivation of Green gram(50 participants), One Off Campus training of farmers on cultivation of Pigeon pea(25 participants),one Off Campus training of farmers on cultivation of Chick pea(20 participants) and two Off Campus trainings of farmers on soil sampling techniques(30 participants) were conducted during the year.Four KisanGosthies/Seminar were organized on Lac Cultivation and Agricultural Technologies in which delivered lectures along with farmers-scientists interaction.

Organized a farmers’ training programme on awareness about the “Protection of Plant Varieties and Farmers’ Rights Act, 2001” on 30.03.2017 .Organized a Training cum Awareness Programme on “New India Manthan- Sankalp Se Siddhi” on 26.08.17.Celebrated the “MahilaKisan Divas” on October 15, 2017. Aprogramme on “World Soil Day” was organized by ICAR-IINRG, KVK, Khunti on Dec 5, 2017.

Name of KVK	KVK, Khunti
Name of host organization	ICAR-Indian Institute of Natural Resins & Gums, Namkum, Ranchi-834010
Date of establishment	5 th May, 2014
Location	Diyankel Torpa, Khunti
Distance of KVK from District HQ	28 Km
Total Land area under KVK	49.19 acres
Staff Position	<ol style="list-style-type: none"> 1. Dr. S.P. Singh, Sr. Sci. cum Head (Joined on 28-01-2016) 2. Smt. LaxmiKumari, Assistant (Joined on 03-06-2016), on maternity leave from September onward
Vacant Posts (Applications for the Posts are already invited and scrutiny process was completed)	SMS-6 (To be filled by ASRB) Farm Manager-1, Programme Assistant-2 Driver-2, SSS-2 (Nomination from ICAR awaited) Steno-1 (To be appointed by ICAR)

Infrastructure:

- Demarcation work of land of KVK was completed in Feb,2016
- Trenching on boundary of the KVK land is done
- Payment of land of about 12 farmers is still pending, matter is being pursued
- Construction of Administrative building through CPWD, Ranchi is in progress

Farming situation:

Dependent on Rainfed Agriculture

low yielding varieties

lack of improved animal breeds

Major Crop: Paddy, Pulses, Millets, vegetables

Thrust area identified

Introduction of high yielding varieties of Paddy, Pulses, Millets, Vegetables

Area expansion under Kharif coverage of fallow land
Promotion of oilseeds and pulses
Promotion of double cropping
Promotion of intercropping cropping
Soil water conservation and increase in irrigation potential
Coverage of waste land with horticultural/plantation crops

Achievements/Progress during Year 2017-18

A) CFLD conducted under NFSM:

Sl.no	Season	Crop	Technology	Area (ha)	No of Demonstrations	Village	Total Farmers
1.	Rabi (Summer2016-17)	Green Gram	Variety (IPM 2-3) +INM (Bio-fertilizers= Rhizobium & PSB)	10	25	Gutigada(26) Selda (6) Maliyada(18)	50 (ST)
2.	Kharif-2017	Pigeon Pea	Variety (LRG-41)+INM (Rhizobium & PSB) (20:50:25:20)	10	25	Selda(14) Maliyada(9) Gutigada(6) Kudasud(10)	39 (ST)
3.	Rabi-2017-18	Chick Pea	Variety (GNG 1581) +INM (Rhizobium & PSB)	10	25	Bhonda(5) Kathaltoli(2) Tungaon(1) Gamhariya(13) Banganaloya(3) G. Jaltanda(12) KunkusiBinda –Bazar(1) Mahil(1) Sungi(1) Jurdag(1)	40(Gen2, SC-5, ST-10, OBC-3)
4	Rabi (Summer 2017-18)	Green Gram	Variety (IPM 2-3) +INM (Bio-fertilizers=	10	25	BirhuuPatraToli Kherkhai Zibilong Manhatu	

			Rhizobium & PSB)				
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Performance of CFLDon Pulses under NFSM

A. Technical parameters

Crop (No. of demonstrations)	Yield (Kg/ha)			Variety+ Technology	Yield obtained(Kg/ha)			Yield gap (%)		
	District yield (D)	State yield (S)	Potential yield (P)		Max	Min	Av.	District	State	Potential
Green Gram (25)	600	512	1214	IPM 2-3 +INM (N25:P50:K25) Seed treatment with Rhizobium & PSB @200gm/10kg seed	825	650	737	22.8	43.94	(-)39.29
Pigeon Pea (25)				Variety (LRG-41)+INM (Rhizobium & PSB) (20:50:25:20)	1200	780	950			
Chick Pea (25)				Variety (GNG 1581) +INM (Rhizobium & PSB)	1500	1200	1350			

B. Economic Parameters

Variety, Technology	Farmer's Existing plot			Demonstration plot			
	Gross cost (Rs)	Gross return (Rs)	Net return (Rs)	Gross cost (Rs)	Gross return (Rs)	Net return (Rs)	B:C (Rs)
IPM 2-3 +INM (N25:P50:K25) seed treatment with Rhizobium &	(Not growing in summer season)	-	-	40000	73700	33700	1.84

PSB @200gm/10kg seed							
Variety (LRG-41)+INM (Rhizobium & PSB) (20:50:25:20)	14290	24800	10508	18180	41325	23145	2.27
Chick Pea	(Not growing in summer season)	-	-	19050	67500	48450	3.54

Performance of FLD

Crop (No. OF DEMONS)	Thematic area	Name of the technology demonstrated	No. of FarmerS	Area (ha)	Yield (q/ha)		% change in yield	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy (5)	SahbhagiDhan	Introduction of new variety	7	2.0	34.0	28.0	21.42	30500	51000	20500	1.67	25100	42000	13340	1.67

*Economics worked out based on total cost of production per unit area and not on critical inputs alone

** BCR= Gross Return/Gross Cost



Distribution of Inputs to the Farmers



FLD on Chick Pea under NFSM



FLD on Pigeon Pea under NFSM

B) FLD Conducted

1.	Kharif - 2017	Paddy	Variety (Sahbhagi)	2	5	Budhudih(7)	7
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C) Extension Activities conducted

Activities	Numbers	Male	Female	Total Participants
Off Campus training of farmers on cultivation of green gram	2	10	40	(50 farmers)
Off Campus training of farmers on cultivation of Pigeon pea	1	10	15	(25 farmers)
KisanGoshthi/Seminar(Lac cultivation/Agricultural technologies)	4	220	500	(720 farmers)
Farmers Training on cultivation of Chickpea	1	15	5	(20 farmers)
Scientist Visit to Fields	20			
Off Campus training of farmers on Soil Sampling Techniques	2	25	5	(30 farmers)



Off Campus Training on *Moong* Cultivation



Off Campus Training on Soil Sample Techniques



Addressing to *KisanGoshthi*

D)Events/Programmes organized

1.Organized a farmers' training programme on awareness about the “**Protection of Plant Varieties and Farmers' Rights Act, 2001**” on 30.03.2017 in Torpa at MahilaVikas Kendra, Torpa, Khunti. The Chief Guest wasShri Jaya MangalGudiya, Member of JilaParishad, Torpa and the Guest of Honour was MsRoshniGudiya, Block Pramukh, Torpa. A Training Booklet on “PaudhaKismAurKrishakAdhikaarSanrakshan” compiled and edited by Dr SP Singh was released and distributed among the farmers, stakeholders, scientists and others.about 200 farmers/stakeholders participated.



2.A Programme on “**New India Manthan-Sankalp Se Siddhi**” was organized by KVK, Khunti at Torpa on August 26, 2017. The Chief Guest Hon’ble Member of Parliament, Khunti ShriKariyaMundaji inaugurated the programme. Scientists, officers, public representative along with farmers took the pledge of commitment (resolution) for doubling the income of farmers by 2022. In his address, ShriMundaji briefed about the different schemes started by the Government of India to increase the production, income along with livelihood of the farmers. He emphasized that collective efforts are required for doubling the income of farmers in coming five years, it will help to control the suicide problem of farmers. We have to create such a situation so that there will no death due to hunger. He also requested the farmers to get insured their crops to protect from the risks under PMFBY. He also distributed implement “Jugad” developed for inter-culture among few farmers.

Dr KK Sharma, Director, ICAR-IINRG briefed about the seven formulas for doubling the farmers income in coming 5 years. He also advised the farmers for fast adoption of technologies developed. Dr TR Sharma, Director, ICAR-IIAB, Ranchi, Dr N Kumar, Head, TOT Division also expressed their views. Dr SP Singh welcomed the Chief Guest, dignitaries along with participants and also introduced the message of Hon’ble PM. A Technical Session on improved technologies along with Farmers-Scientists interaction was also conducted followed by the inaugural session. About 300 farmers participated in the programme.



3. K.V.K Khunti (ICAR-IINRG, Ranchi) celebrated the **“MahilaKisan Divas” on October 15, 2017** in village “Marcha” of Torpa Block. The programme was chaired by Sister Charusila, Director Acting, TRDS, Torpa. The Chief Guest was Smt. MayalinaTopno, Ex- Chairman, ZilaParishad, Khunti. Different events were organized for the farm women like; debate,



question-answer session, cultural programme etc.

related role of women in agriculture. About 110 farmers participated in the programme.

4.The programme on**“World Soil Day”** was organized by ICAR-IINRG, KVK, Khunti on Dec 5, 2017 at Torpa. The chief guest Hon’ble MP, Khunti Sri KariyaMunda in his inaugural address told that we the people of India are not using the soli properly, due to which the soil health is deteriorating day by day. He suggested farmers to use balanced fertilizers and to increase use of organic manures, Bio fertilizer etc. to increase the soil health and productivity. The guest of honour Sri PoulushSurin, MLA Torpa, Khunti told that farmers may get more income from Agriculture, if they adopt the scientific technologies developed. He also advised the farmers to get more benefit from the different Schemes of the government to improve their livelihood.

Dr. K.K. Sharma, Director, ICAR-IINRG, Namkum, Ranchi and Dr. Nirmal Kumar, Head, TOT described the importance of soil testing, Soil Health Card and use of balance fertilizers. They told that the nutritional value for the food we eat is directly related to the health of soil in which it grows for which integrated soil health management is must.

In Seminar Dr. S. Ghosal , Head , LPD & Dr. S.P. Singh, Sr. Scientist & Head KVK, Khunti delivered lectures on i)Organic Farming & Soil Health ii) Causes of Soil Health deterioration and measures of its control. Farmers also interacted with Scientists.

The chief guest distributed the “Soil Health Card” to the farmers. A film related with the program was shown to the farmers. Dr. S.P. Singh welcomed the guests & participants, Dr. S.K.S. Yadav delivered the vote of thanks. About 160 farmers, farm women and others participated in the programme.



Participation of Personnel in Conferences/Seminars/Workshop/HRD, Meetings:

Symposium/Workshop/HRD

- Participated in National Symposium on “Recent Trends in Biopolymers” organized at ICAR-IINRG, Ranchi on Feb 17-18, 2017.
- Attended a Hindi Sangosthi on “RajyamaeBhugarbhJal Ki SthitiAvamJalChhajan” organized by ICAR-IIAB, Ranchi at ICAR-IINRG, Ranchi on March 1, 2017.
- Moderation work of question paper for ICAR’s AIEEA-UG-2017 completed on March 10th, 2017 as asked to do by Agricultural Education Division, ICAR, New Delhi.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti attended “Farmers First Program” organized by ICAR-IIAB, Ranchi at ICAR-IINRG, Ranchi on March 25-26, 2017.
- Dr SP Singh participated in “Annual Zonal Workshop of KVKs of ICAR-ATARI, Kolkata held on April 14-16, 2017 at ICAR-CIARI, Portblair.
- Dr SP Singh participated in “National Workshop on Empowering Farmers of Tribal Areas” organized by Division of Agril. Extension, ICAR on June 7-8, 2017 at NASC Complex, New Delhi..
- Dr SP Singh, SrSci& Head, KVK, Khunti participated in workshop on “Status of Seed Sector in Jharkhand” held on Aug.8, 2017 at ICAR-RCER, RC, Plandu, Ranchi.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti participated in National Seminar on “Doubling the Farmers’ Income and Farm Production Through Skill Development and Technology Application” held on Nov. 28-30, 2017 at BAU, Sabour, Bhagalpur.

Publication:

1. डॉ.एस.पी. सिंह, “गमलोंमेंभीउगायेंफल/सब्जियां(आम के आम गुठलिओं के दाम)”published in Laksha,2017(ISSN 2454-7840),ICAR-IINRG,Ranchi,pg55-57.
2. Dr SP Singh “Moong Ki Vaigyanik Kheti” Bulletin(Prasar) No.1/2018 (under publication).

Kisan Mela:

- Dr SP Singh, Sr Sci & Head, KVK, Khunti Participated 39th Central Shri Ramkrishan Kisan Mela on theme “Jaivik Kheti-Safal Kisan-Samradhya Kisan” organised by Divyayan KVK, Morabadi, Ranchi at Getalsuth Farm, Angada, Ranchi on Jan 23-24, 2017. Attended a Kisan Gosthi and replied the questions of farmers in Farmers- Scientists Interaction.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti attended “ Kisan Mela- Sah- Takneek Avam Machine Pradarshini, 2017” organised by ICAR-IINRG, Ranchi at Namkum on Feb 10,2017.

Others:

- Dr SP Singh, Sr Sci & Head, KVK, Khunti participated in 4th Foundation Day of ICAR-IIAB, Ranchi celebrated on August 25, 2017.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti participated in “SwachhtaJagruktaProgramme” and “Open Day for School Students” on the Eve of 94th Foundation Day of ICAR-IIAB, Ranchi, celebrated on Sept.19, 2017.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti participated in 94th Foundation Day of ICAR-IINRG, Ranchi celebrated on Sept.20,2017.
- Dr SP Singh, Sr Sci & Head, KVK, Khunti participated in SwachchhtaAbhiyaanon 15 Sept-2 Oct, 2017.
- Dr SP Singh, Sr Sci & Head, KVK, delivered a lecture on “ Agricultural Education, admission procedures and its scope” on the occasion of “Krishi ShikshaDiwas” organized by ICAR-IINRG, Ranchi on Dec.4,2017 at venue KendriyaVidhyalaya, Namkum.

Name of KVK

S. N.	Sanct ioned Post	Pay Scale	Name of Staff	Qualific ation	Date of Birth	Date of Joini ng	Basic Pay	Total Monthly	Total Annual Salary
1.	Sr. Scienti st Head	Level-13A, Cell-01	Dr. S.P. Singh	M.SC. Ag, Ph.D.(Agr onomy)	20.05. 1957	28.01. 2016	Pay as on 28.01.2016 1,31,400 Pay as on 01.07.2017 1,35,300	1,70,271 (Revised)	20,43,252 (Revised)
2.	SMS								
3.	SMS								
4.	SMS								
5.	SMS								
6.	SMS								
7.	SMS								
8.	Farm Mana ger								
9.	Compu ter Progra mmer								
10.	Lab Assista nt								
11.	Steno graph er								
12.	Assista nt	Pay Matrix-6	Smt. Laxmiku mariJha	B.Sc.(Che mistry), MBA	21/12 /1985	11/06 /2012	36,500/- (Revised)	40,945(Revi sed)	4,91,340
13.	Driver (Jeep)								
14.	Driver (Tract or)								
15.	Suppo rting Staff								
16.	Suppo rting Staff								
Rest of the positions are vacant									

Revolving Fund status, KVK, Khunti

Year	Opening Balance	Expenditure	Income	Total Balance Amount
2013-14	Nil	Nil	Nil	Nil
2014-15	Nil	Nil	Nil	Nil
2015-16	Nil	Nil	Nil	Nil
2016-17	Nil	Nil	Nil	Nil
2017-18	Nil	Nil	Nil	Nil

KVK, Khunti
(ICAR-IINRG, Ranchi)

Utilization of Budget during financial year 2017-18

Name of Scheme	Budget Allocation	Fund Received	Expenditure	Unspent Balance
Pay & Allowance	Required sanction amount= Rs. 33,35,000	Total release= Rs.44,89,500		
T.A				
CFLD Pulses			140500	
FLD			3200	
Sankalp se Siddhi			31086	
MahilaKisan Divas			5408	
World Soil Day			30900	
