

# Annual Zonal Workshop of ATARI-Zone IV KVKs – 2024

## Convergence Approaches for Technology Dissemination

Presented At

BAU, Sabour, Bhagalpur, Bihar (29-31<sup>th</sup> August 2024)



## Krishi Vigyan Kendra Gumla Vikas Bharti Bishunpur



-: Presented By :-

Sanjay Kumar

Senior Scientist & Head

# Convergence with ....



# Process adopted for convergence

**Convergence** – Two or more things come together to form a new whole



## Convergence point in Agriculture

- **Human Resource**
- **Resource (Capital)**
- **Infrastructure**
- **Knowledge and Idea**

# Approaches in NICRA village

Development Scheme/ Programme/ Dept.	Nature of work	Area (ha) /No/unit	Amount (Rs. Lakh)
MGNREGA	Well creation	05 units	25.50
	Trench digging	0.80 acre	0.75
	NADEP compost	19 units	1.88
	Vermi copmost unit	44 units	5.36
NHM	Banana plantation	4.0 acre	6.00
Minor Irrigation	Canal renovation (3 km)	02 units	-
Dist. Ag. Dept.	Sprinkler & drip unit	30.0 acre	19.20
Milinda Pvt. Ltd	Renewable energy production (Solar energy )	03 units	270.00
District Soil conservation	Pond Renovation	02 unit	36.00
District Fishery Department	Biofloc	01 unit	7.50
Aspirational District Programme	Solar powered lift irrigation	01 units	12.50
<b>Total</b>			<b>384.69</b>



Follow up of BORA-BANDH by  
Former Chief Secretary Jharkhand



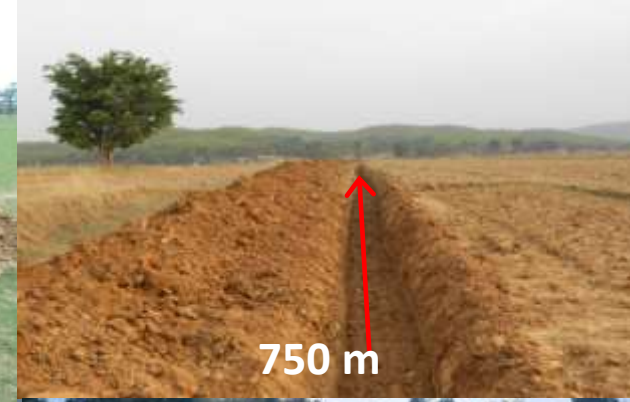
Impact of Bora Bandh & Canal  
Cleaning



# Approach for Land Development & Water Conservation

Up scaling of NICRA Initiative in Majhgaon panchayat (Aspirational block-Dumri) with the support of ITDA Gumla

Total no. of scheme granted	<b>38</b>	
Amount granted	89 lakhs	
Intervention	Unit	Command area (ha.)
Installation of lift irrigation	07	98
Creation of well	27	41
Land Development	02	02
Water harvesting structure	01	10
Earthen Dam	01	06



**Objective** – To enhance the area under double or multiple crop with assured irrigation facilities.

**Outcome :-**

- ✓ Estimated production- 2980 Q
- ✓ Estimated net return- 12 Lakh.

# Water conservation awareness programme across the district

Initiative of NABARD, KVK Gumla as a Nodal agency

Implementation of Water conservation awareness programme by making 6250 **Krishi Jaldots** in 625 villages of 12 Block in Gumla with the financial support of Rs. 12.00 Lakhs by NABARD.



# Approach for Promotion of Micro Irrigation in NICRA village

Activity	Area (ha)	Amount (Rs. In Lakh)
Installation of Drip Irrigation System	12	19.2
Installation of Sprinkler	05	7.25



## Approach for Crop Seed Variety Dissemination

SN	Crop	Variety	Source
1	Rice	Sahbhagi Dhan	CURRS Hazaribagh
		CR-310	CURRS Hazaribagh
		Swarna Shreya	ICAR-RCER Patna
2	Groundnut	TG-51. TAG-45	BARC Mumbai
3	Millets	GPU-28	IIMR, Hyderabad & UAS Bangalore
4	Redgram	PKV Tara	PDKV, Akola
5	Onion	Bhima Super	DOGR, Pune
6	Fodder (Maize)	J-1006	Regional Fodder Station Kalyani
7	Wheat	WB-02, DBW-187	IIWR Karnal & BAU Sabour
		Sabour Nirjal	BAU Sabour



Wheat (Sabour Nirjal)



Groundnut (TG-51)



Ragi (GPU-28)



Paddy (CR-310)

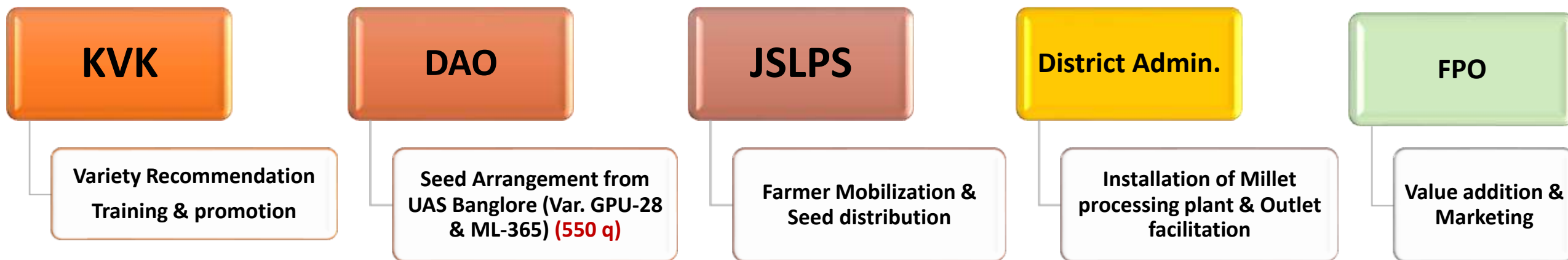
# Convergence Approach for Millet Promotion

## Initiative by Sushant Gourav (IAS), Former DC Gumla

By realizing that Paddy cultivation is unsustainable and didn't suit in Rainfed upland of Gumla, He wanted to create more suitable agriculture system which involve lower risk and better gain.

He began convincing stakeholders to switch to Ragi, Which can be withstand Dry spell and high nutritional value. It can also be used to make value added products to sell in market. Then he decided to involve Agriculture department and KVK for preparation of strategic plan to promote Millet in larger area and make it a JAN ABHIYAN. After that under his leadership meeting was organised with all concerned stakeholders.

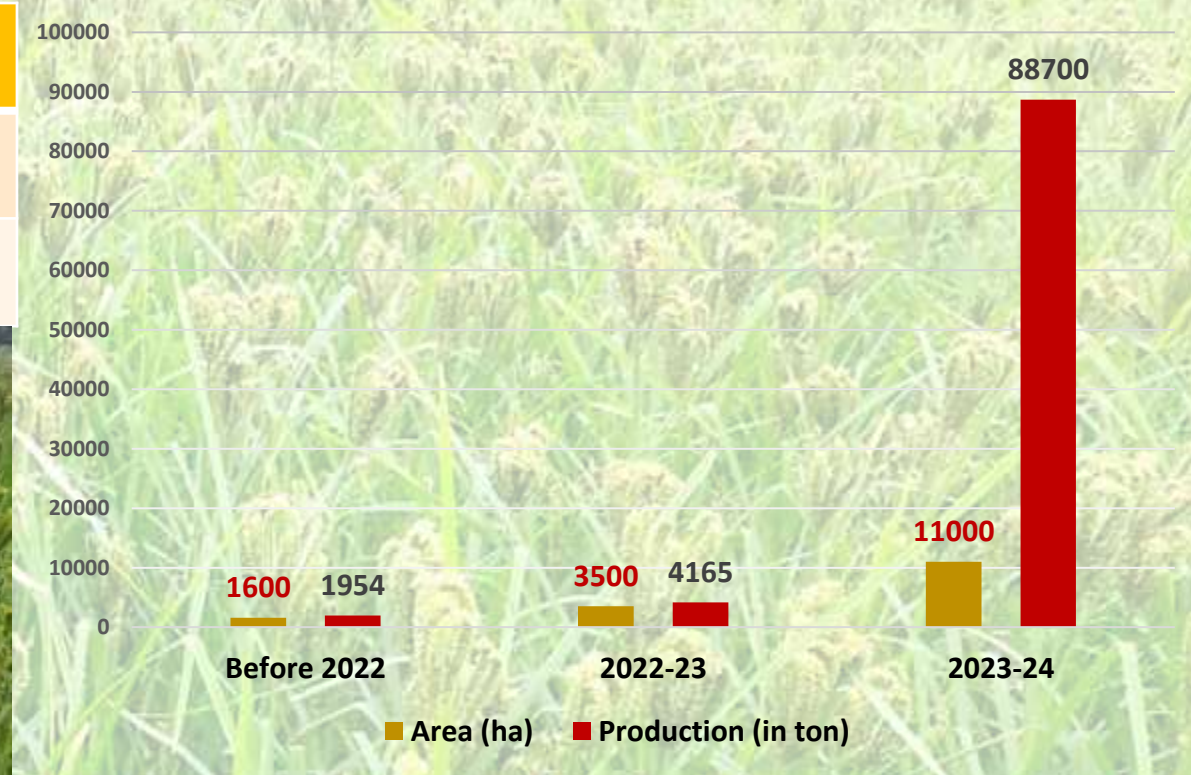
## Involvement of Department in Promotion of Ragi Mission





# Impact of Ragi Mission

	Before 2022	2022-23	2023-24
Area (ha)	1600	3500	11000
Production (Ton)	1954	4165	88700



## Recipe Contest on Millet based Products

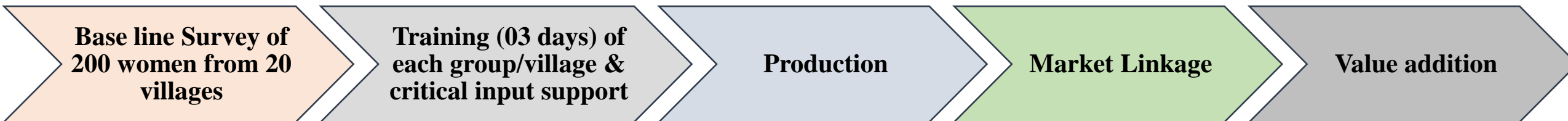


# Approach for Women Empowerment through *Oyster* Mushroom Cultivation

Under Aspirational District Development Programme

**Financial Support- 10.0 Lakhs**

## Methodology of Project



### Block wise Mushroom (Oyster) Production and Income Data

No. of Farm Women	No. of Village	No. of Blocks	Production (kg)	Avg. Sell (kg)	Avg income gain (Rs.)
200	20	05	5365.20	4202	626700

### Production details of each women farmer

Total Bundle (no)	Production (kg)	Production cost of 15 bundle (Rs.)	Gross income (Rs.)	Net income (Rs.)	B:C
15	25-30	1200	4125	2550	3.44

## Impact

**At present 355 farm women are associated with mushroom cultivation & getting additional family income of Rs. 2500 – 3200 in one cycle.**



दो सौ महिलाओं को मशरूम की खेती से जोड़ने का रखा गया है लक्ष्य

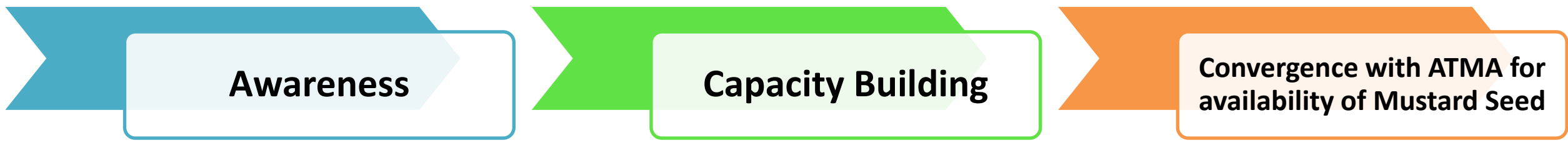


# Approach for sustainable income through Promotion of Mango cultivation in NICRA village with support of MGNREGA

Approach	Activity	Area (ha)	Amount (Rs. In Lakh)
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #c00000; color: white; padding: 5px; border-radius: 10px;">Training</div> <div style="background-color: #808000; color: white; padding: 5px; border-radius: 10px;">Layout</div> <div style="background-color: #008000; color: white; padding: 5px; border-radius: 10px;">Follow up</div> </div>	➤ Mango Plantation (Var.- Amrapali, Mallika)	10	96.0
	➤ Well Creation	05 no.	

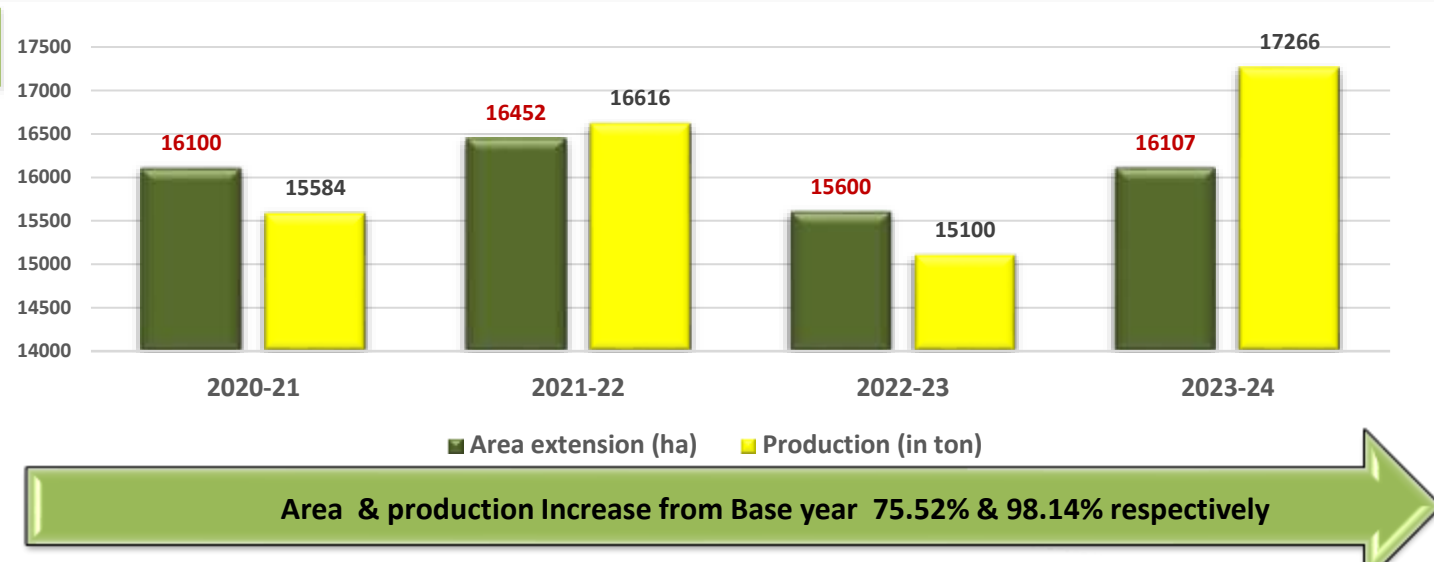


# Approach for Promotion of Mustard Cultivation in Rice- Fallow System



## Impact

Status of Mustard promotion in District		
Year	Area (ha)	Production (in tons)
<b>2018-19</b>	<b>9125</b>	<b>8714</b>
2020-21	16100	15584
2021-22	16452	16616
2022-23	15600	15100
<b>2023-24</b>	<b>16107</b>	<b>17266</b>



# Approach for Infrastructure development at KVK farm

Activities	
PCC Road	1 km
WHR (Pond)	05 no. (100' x 100' x 5')
Godown	02 unit



# Promotion of Organically Cultivated Traditional Scented Rice

Under Aspirational District Development Programme

Variety – Kalajeera, Bhutku & Jeeraphool

Financial Support- 10.0 Lakhs



Former Deputy commissioner Gumla, Trainee IAS and Director ATARI Patna interacted with organic rice grower in village Banalat



Kala Jeera



Processing plant



Launching of organic rice by DC Gumla

Area	Production (q)	No. of farmers
20 ha	290	54 (03 Village)

Income Generated – 13.2 Lakhs



Honourable Ex-president overview the produced organic rice



Union Minister of Tribal Affairs Govt. of India Shri Arjun Munda honor to Smt. Basmuni Devi (Organic rice grower) on Progressive Farmers Awards Function organized by Vikas Bharti Bishunpur on 150 Years Birth anniversary of Mahatma Gandhi at Ranchi, Jharkhand

# Promotion of Medicinal, Aromatic Plant & NTFP

## Financial Support by JSLPS- 47.0 Lakhs

No. of Village	No. of Farmers	No. of SHG
30	1600	32

**Income Generated –  
15000-20000/SHG/ Year**



गुमला सिमडेगा 27-07-2020

### खुशखबरी • प्रधानमंत्री नरेंद्र मोदी ने मन की बात में की गुमला जिले के बिशुनपुर के लेमन ग्रास की खेती की चर्चा प्रधानमंत्री बोले-लेमन ग्रास की खेती कर आत्मनिर्भर बन रही बिशुनपुर की महिलाएं, इसके तेल की बाजार में काफी डिमांड

प्रधानमंत्री नरेंद्र मोदी ने शनिवार को मन की बात में गुमला जिले के बिशुनपुर प्रखंड का जिक्र किया है। उन्होंने कहा कि इलाखंड के बिशुनपुर में 30 से ज्यादा मछुा मिलकर लेमन ग्रास की खेती कर रहे हैं। लेमनग्रास का खेती में तेजा हो जाती है। और उसका तेल बाजार में अनेक दमों में बिकता है। इसकी अकल बाजारों को भी है।

ज्ञात है कि टीक भन्कर ने इस खरा को प्रमुखतः से प्रकटीत किया था। जिसके बाद शिवर, को मन की बात में प्रधानमंत्री नरेंद्र मोदी ने इसका जिक्र किया। लेमनग्रास की इस खरा को मुन्नन कर बाईल मसूा की बिनी को संशोधन बरला मडल कि टैलेबे टैले ने कहा कि प्रधमन्त्री नरेंद्र मोदी जी मर की कात बिशुनपुर में इन्को मसूा इत लेमन ग्रास की खेती का जिक्र बिहै।

प्रधमन्त्री सुदूरवर्ती क्षेत्रों के बारे में भी सोचते हैं, लोगों को आर्यवर् लेमन ग्रास के उत्पद के मय समूा की पहिलका।

इस लेखों की खसों खसों हो रही है कि प्रधमन्त्री ऐसे मसूाली क्षेत्रों के लेखों के बारे में भी सोचते हैं। हम लेखों को कम करने में और अधिक उर्जा मिलेगी। खसों अलाक भातर ने कहा कि प्रधमन्त्री जी ने मर की कात में बिशुनपुर की लेमनग्रास की खेती की है। हम उनको बर्ध देंगे। बिशुनपुर में जिला तहस से लेमन में अडिबमि ने बहुत तेजी से उत्पदन शुरु किया है। लेमन ग्रास उनकी आय इनकम में वृद्धि हुई है। अय मर की कात में प्रधमन्त्री जी ने बात की है कि बिशुनपुर के लिए सौभाग्य की कात है।



लेमन ग्रास के उत्पद के मय समूा की पहिलका।



**Gumla women reap good profits from lemongrass cultivation, win PM's praise**

... (transcription of the article text) ...



# Thank You

**Farming for a Better World**