CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2018-19) PERFORMANCE DATA REPORTING

FORMAT KVK WISE

1. Name of KVK: Sundargarh-II **2. Year of establishment:2012**

3. Host Institution: OUAT, Bhubaneswar **4. Address: Hockey Chawk, Panposh, Rourkela**

5. District: Sundargarh **6. State: Odisha**

7. Performance of the demonstration: Good

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Field pea	Desi Matara	11.0	8.45	7.38	12	➢ Seed rate-50 kg/Ha ➢ Seed treatment-with Bavistin @2g/kg of seed ➢ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➢ Line sowing 30X10 cm ➢ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➢ Application of Prophenophos @ 2ml/lite for control of Pea weevil.	90	20	16.7	11.8	14.6	8.45	7.38	12

							➢ Application of Metalaxyl+ mancozeb @2g/litre for control of diseases ➢ Application of Imidacloprid @0.4 ml/litreto control sucking pest attack .								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	➢ Seed rate-50 kg/Ha ➢ Seed treatment-with Bavistin @2g/kg of seed ➢ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➢ Line sowing 30X10 cm ➢ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➢ Application of Prophenophos @ 2ml/lite for control of Pea weevil. ➢ Application of metalaxyl+ mancozeb @2g/litre for control of diseases ➢ Application of Imidacloprid @0.4 ml/litreto control sucking pest attack .	25500	40700	15200	1.59	28850	54020	25170	1.87

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Field pea Prakash	29200 kg	300kg/household	Rs 40/kg	2160 kg	27040 kg	House hold expenses	65

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	➢ Seed rate-50 kg/Ha ➢ Seed treatment-with Bavistin @2g/kg of seed ➢ Seed inoculation with Rhizobium @20g/kg of seed before sowing. ➢ Line sowing 30X10 cm ➢ Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. ➢ Application of Prophenophos @ 2ml/lite for control of Pea weevil. ➢ Application of Metalaxyl+Mancozeb @2g/litre for control of leaf spot ➢ Application of Imidacloprid @0.4 ml/litreto control sucking pest attack .	Very much suitable to their farming system	Technology like Variety ,and seed treatment and line sowing, weed control are very much appreciated by farmer	Yes they can afford the technology in future	No	Yes	Short duration high yielding variety will be more promising.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety	High yielding, suitable to this agro ecological situation	Average performance	Variety Prakash is highly appreciated for its germination and yield , which is better than their existing variety
Seed treatment &seed inoculation	Soil borne, seed borne disease controlled	Incidence of Diseases	Disease in Field pea could be minimized by seed treatment.
Sucking pest management	Mosaic disease controlled	Sucking pest infestation is there	Sucking pest damage could be minimized by application of Imidacloprid

F. Extension activities under FLD conducted till dates:

Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1	Beneficiary selection, Group discussion, site selection	16.11.18	25
2	Input distribution, Field visit	22.11.18	50
3	Training & field visit	29.11.18	50
4	Field visit	17.12.18	15
5	Field visit	31.12.18	20
6	Field visit	09.01.19	12
7	Field visit	22.01.19	11
8	Field visit	03.02.19	15
9	Field day	15.02.19	50

8. Sequential good quality photographs (as per crop stages i.e. growth & development)

Farmers' training photographs

Different Crop Stages


KRISHI VIGYAN KENDRA
Cluster Front Line Demonstration
Crop : Field Pea
Variety : Prakash
Season : Rabi

Field Day


FIELD DAY
Cluster Front Line Demonstration


FIELD DAY
Cluster Front Line Demonstration

10. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Field pea	i) Critical input		139000	
	ii) TA/DA/POL etc. for monitoring		14500	
	iii) Extension Activities (Field day)		7500	
	iv)Publication of literature			
	Total	**180000**	**161000**	**19000**

Report for Cluster Demonstration of Pulses & Oilseeds, 2018-19

Name of KVK: KVK Sundargarh II
Farmer Details:

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Brief technology intervention	Variety	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
						Latitude	Longitude						H	L	A		
Kuplas Ganjhu	Sonu Ganjhu	At-Kadopani	Nuagaon			22^0 24' 29.9"	084^0 55' 04.9"	Yes	Urea-11 DAP-106 MOP-42	➢ Seed rate-50 kg/Ha ➢ Seed treatment-with Bavistin @2g/kg of seed ➢ Seed inoculation with Rhizobium	PRAKASH	10 kg			14.2	11.0 q/ha Average yield	32.7 %
Jogeswar Ganjhu	Kishnu Ganjhu	do	do			22^0 24' 31.9"	084^0 55' 04.2"	Yes	Urea- 16 DAP-109 MOP- 42			10 kg			15.9		
Anandmasi Kandul	Nirmal Ganjhu	do	do	9178077778		22^0 24' 24.4"	084^0 55' 05.7"	Yes	Urea-12 DAP-112 MOP-40			10 kg			14.8		

na										@20g/kg of seed before sowing. Line sowing 30X10 cm Application of weedicide Pendimethylene @ 6ml/litre within 48 hours of sowing. Application of Propheno @ 2ml/lite for control of Pea weevil. Application of Metalaxyl+ Mancozeb @2g/litre for control of diseases Application of Imidaclopri d @0.4 ml/litre to control sucking pest attack .							
Benjamin Kandulna	Anandmasi Kandulna	do	do	9178284584		22^0 24' 27.6"	084^0 55' 07.5"	Yes	Urea-11 DAP-108 MOP-41			10 kg			13.9		
Sambili Ganjhu	Dineswar Ganjhu	do	do			22^0 24' 21.2"	084^0 55' 11.8"	Yes	Urea-16 DAP-110 MOP-41			20 kg			14.9		
Pushmani Ganjhu	Nira Ganjhu	do	do			22^0 24' 21.9"	084^0 55' 59.2"	Yes	Urea-12 DAP-107 MOP-43			10 kg			14.6		
Chandra shekhar Ganjhu	Bulu Ganjhu	do	do	7326982739		22^0 24' 19.6"	084^0 55' 57.4"	Yes	Urea- 18 DAP-110 MOP- 40			10 kg			14.9		
Gajendra Majhi	Rajkumar Ganjhu	do	do	9777865642		22^0 24' 29.1"	084^0 55' 54.1"	Yes	Urea-12 DAP-110 MOP-40			10 kg			16.3		
Budhilal Ganjhu	Maguru Ganjhu	do	do	9668099005		22^0 24' 43.7"	084^0 55' 51.2"	Yes	Urea-12 DAP-109 MOP-41			10 kg			14.8		
Laldeo Singh	Baikunth Singh	do	do			22^0 24' 47.9"	084^0 55' 48.7"	Yes	Urea-15 DAP-108 MOP-41			10 kg			11.8		
Surendra Ganjhu	Aturu Ganjhu	do	do	9668629088		22^0 24' 11.9"	084^0 55' 47.2"	Yes	Urea-12 DAP-107 MOP-43			10 kg			14.8		
Lilmohan Ganjhu	Samaru Ganjhu	do	do			22^0 24' 08.3"	084^0 55' 14.4"	Yes	Urea-14 DAP-110 MOP-41			20 kg			14.2		
Pavan Ganjhu	Birsa Ganjhu	do	do	9938459640		22^0 24' 53.2"	084^0 55' 18.2"	Yes	Urea-15 DAP-119 MOP-41			10 kg			12.9		
Sumitra Gaud	Samrut Gaud	do	do			22^0 24' 46.4"	084^0 55' 21.3	Yes	Urea- 18 DAP-109 MOP- 44			10 kg			13.9		
Jalandhar Ganjhu	Amaru Ganjhu	do	do	9556181525		22^0 24' 39.1"	084^0 55' 26.7"	Yes	Urea-14 DAP-108 MOP-41			20 kg			14.4		

Dineswar Ganjhu	Danga Ganjhu	do	do			22^0 24' 57.7"	084^0 55' 44.1"	Yes	Urea-11 DAP-112 MOP-40			10 kg			14.9		
Raghu Ganjhu	Samaru Ganjhu	do	do			22^0 24' 23.9"	084^0 55' 40.2"	Yes	Urea-14 DAP-107 MOP-41			10 kg			13.5		
Chhotelal Ganjhu	Baisakhu Ganjhu	do	do			22^0 24' 13.1"	084^0 55' 37.8"	Yes	Urea-12 DAP-107 MOP-41			10 kg			12.9		
Jagannath Majhi	Rajkumar Majhi	do	do			22^0 25' 16.4"	084^0 54' 03.2"	Yes	Urea-15 DAP-108 MOP-41			10 kg			16.1		
Binod Kandulna	Birsa Kandulna	do	do			22^0 25' 41.9"	084^0 54' 07.7"	Yes	Urea- 14 DAP-110 MOP- 40			10 kg			14.9		
Laxmani Ganjhu	Pavan Ganjhu	do	do	9937212672		22^0 25' 36.3"	084^0 54' 11.5"	Yes	Urea-13 DAP-110 MOP-43			10 kg			14.8		
Sumitra Ganjhu	Dinesh Ganjhu	do	do			22^0 25' 20.6"	084^0 54' 16.1"	Yes	Urea-14 DAP-109 MOP-41			20 kg			14.6		
Baneswar Ganjhu	Jethu Ganjhu	do	do			22^0 24' 03.9"	084^0 54' 19.4"	Yes	Urea-11 DAP-109 MOP-41			10 kg			15.1		
Banmali Ganjhu	Sukram Ganjhu	do	do			22^0 24' 49.1"	084^0 54' 21.6"	Yes	Urea-12 DAP-104 MOP-44			10 kg			15.6		
Gajendra Ganjhu	Sukram Ganjhu	do	do			22^0 24' 17.2"	084^0 54' 12.1"	Yes	Urea-14 DAP-108 MOP-44			10 kg			14.6		
Birbal Ganjhu	Phagwa Ganjhu	do	do			22^0 25' 20.4"	084^0 54' 14.2"	Yes	Urea-12 DAP-110 MOP-42			10 kg			13.8		
Kirtadas Kandulna	Joseph Kandulna	do	do			22^0 25' 14.8"	084^0 54' 19.3"	Yes	Urea-15 DAP-109 MOP-41			10 kg			13.9		
Bishram Ganjhu	Baishakhu Ganjhu	do	do			22^0 24' 45.6"	084^0 54' 21.4"	Yes	Urea-13 DAP-108 MOP-41			20 kg			16.1		
Baju	Samra	do	do			22^0 24'	084^0 54'	Yes	Urea-10			10 kg			14.8		

Ganjhu	Ganjhu					33.9”	59.2”		DAP-110 MOP-41								
Bakhanu Ganjhu	Sukru Ganjhu	do	do			22^0 24’ 02.1”	084^0 54’ 57.5”	Yes	Urea- 18 DAP-109 MOP- 45			10 kg			13.8		
Dillip Ku. Majhi	Rajkumar Majhi	do	do			22^0 24’ 51.9”	084^0 54’ 54.2”	Yes	Urea-12 DAP-108 MOP-41			10 kg			15.5		
Sursen Bhuyan	Ledhar Bhuyan	do	do			22^0 24’ 23.3”	084^0 54’ 44.7”	Yes	Urea-15 DAP-108 MOP-41			10 kg			14.2		
Bandhnu Ganjhu	Duje Ganjhu	do	do			22^0 24’ 42.5”	084^0 54’ 47.2”	Yes	Urea-12 DAP-107 MOP-44			10 kg			14.4		
Julias Topno	Sukru Topno	do	do			22^0 25’ 33.1”	084^0 54’ 39.4”	Yes	Urea-13 DAP-107 MOP-41			10 kg			14.4		
Sisir Kandulna	Joram Kandulna	do	do	8485806739		22^0 25’ 57.3”	084^0 54’ 37.8”	Yes	Urea-11 DAP-112 MOP-40			10 kg			14.2		
Ramu Ganjhu	Atman Ganjhu	do	do			22^0 24 54.3”	084^0 54’ 32.6”	Yes	Urea- 18 DAP-110 MOP- 40			10 kg			13.6		
Shivshankar Ganjhu	Baishakhu Ganjhu	do	do	9556052440		22^0 24’ 53.9”	084^0 54’ 24.1”	Yes	Urea-16 DAP-108 MOP-43			20 kg			13.9		
Indramani Mahato	Madho Mahato	Chikitia	Nuagaon			22^0 22’ 06.4”	085^0 01’ 19.6”	Yes	Urea-14 DAP-107 MOP-41			10 kg			15.3		
Banshu Baitha	Bhikari Baitha	Chikitia	Nuagaon			22^0 22’ 08.9”	085^0 01’ 55.1”	Yes	Urea-12 DAP-108 MOP-41			10 kg			14.9		
Deutu Mohato	Madho Mahato	Chikitia	Nuagaon			22^0 22’ 09.3”	085^0 01’ 56.2”	Yes	Urea-16 DAP-108 MOP-42			10 kg			15.5		
Bipin Bihari Mahato	Bhugulu Mahato	Chikitia	Nuagaon			22^0 22’ 09.8”	085^0 01’ 57.4”	Yes	Urea-10 DAP-110 MOP-40			10 kg			14.9		
Salwa Mahato	Ghusua Mahato	Chikitia	Nuagaon			22^0 22’ 10.3”	085^0 01’ 57.6”	Yes	Urea-16 DAP-107 MOP-41			10 kg			14.8		

Jitbahan Mahato	Bandhna Mahato	Chikitia	Nuagaon	7873863019		22^0 22$^{'}$ 08.6"	085^0 01' 57.8"	Yes	Urea-12 DAP-107 MOP-43			10 kg			15.5		
Raju Dhoba	Kasthu Dhoba	Chikitia	Nuagaon			22^0 22$^{'}$ 09.4"	085^0 01' 58.3"	Yes	Urea-13 DAP-107 MOP-41			10 kg			15.4		
Phagwa Mahato	Bandhna Mahato	Chikitia	Nuagaon			22^0 22$^{'}$ 08.1"	085^0 01' 58.6"	Yes	Urea-11 DAP-112 MOP-40			10 kg			14.4		
Etwa Lakra	Purna Lakra	Chikitia	Nuagaon			22^0 22$^{'}$ 07.6"	085^0 01' 58.1"	Yes	Urea- 18 DAP-109 MOP- 43			10 kg			13.5		
Hiralal Mahato	Birsa Mahato	Chikitia	Nuagaon			22^0 22$^{'}$ 07.9"	085^0 01' 58.9"	Yes	Urea-15 DAP-108 MOP-41			10 kg			14.9		
Dhaneswar Baitha	Narayan Baitha	Chikitia	Nuagaon			22^0 22$^{'}$ 42.1"	085^0 01' 59.1"	Yes	Urea-12 DAP-109 MOP-41			10 kg			15.1		
Ram Oram	Bija Oram	Chikitia	Nuagaon			22^0 22$^{'}$ 42.3"	085^0 01' 59.5"	Yes	Urea-12 DAP-107 MOP-43			10 kg			14.3		
Praful Ku. Mahato	Mani Mahato	Chikitia	Nuagaon	9439724125		22^0 22$^{'}$ 42.7"	085^0 01' 45.1"	Yes	Urea-11 DAP-114 MOP-40			20 kg			14.9		
Udaynath Mahato	Mani Mahato	Chikitia	Nuagaon			22^0 22$^{'}$ 42.9"	085^0 01' 45.7"	Yes	Urea-12 DAP-107 MOP-43			10 kg			14.2		
Hemraj Mahato	Khiju Mahato	Chikitia	Nuagaon			22^0 22$^{'}$ 43.2"	085^0 01' 44.3"	Yes	Urea-14 DAP-108 MOP-41			10 kg			15.2		
Kanti Baitha	Ramdayal Baitha	Chikitia	Nuagaon			22^0 22$^{'}$ 43.6"	085^0 01' 43.2"	Yes	Urea-11 DAP-112 MOP-40			10 kg			15.7		
Rijhu Mahato	Magha Baitha	Chikitia	Nuagaon	8763478087		22^0 22$^{'}$ 33.1"	085^0 01' 41.7"	Yes	Urea-12 DAP-107 MOP-43			20 kg			13.5		
Paga Oram	Gendia Oram	Chikitia	Nuagaon			22^0 22$^{'}$ 32.8"	085^0 01' 39.1"	Yes	Urea-14 DAP-107 MOP-41			10 kg			16.3		

Lal Baitha	Bhikari Baitha	Chikitia	Nua gaon			22^0 22$^{'}$ 32.5”	085^0 01’ 38.1”	Yes	Urea- 18 DAP-108 MOP- 40			10 kg			15.0		
Lohra Dhoba	Mangra Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 30.9”	085^0 01’ 37.5”	Yes	Urea-12 DAP-107 MOP-40			10 kg			14.9		
Birsa Toppo	Dundu Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 30.4”	085^0 01’ 11.4”	Yes	Urea-14 DAP-107 MOP-41			10 kg			13.2		
Samra Oram	Jhirga Oram	Chikitia	Nua gaon			22^0 22$^{'}$ 28.9”	085^0 01’ 11.9”	Yes	Urea-12 DAP-109 MOP-41			10 kg			14.6		
Gobind Baitha	Dhadu Baitha	Chikitia	Nua gaon	9178508224		22^0 22$^{'}$ 28.3”	085^0 01’ 14.1”	Yes	Urea- 18 DAP-109 MOP- 42			10 kg			13.9		
Harishchandra Baitha	Budhwa Baitha	Chikitia	Nua gaon			22^0 22$^{'}$ 26.7”	085^0 01’ 14.8”	Yes	Urea-11 DAP-107 MOP-41			10 kg			13.3		
Bijay Dhoba	Budhwa Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 48.9”	085^0 01’ 16.2”	Yes	Urea-11 DAP-112 MOP-40			10 kg			14.4		
Shanti Toppo	Jhirga Barla	Chikitia	Nua gaon			22^0 22$^{'}$ 48.3”	085^0 01’ 16.5”	Yes	Urea-12 DAP-107 MOP-41			10 kg			14.8		
Bishnu Balwar	Baishakhu Belwar	Chikitia	Nua gaon			22^0 22$^{'}$ 49.1”	085^0 01’ 17.1”	Yes	Urea-12 DAP-107 MOP-40			10 kg			13.1		
Bija Dhoba	Samra Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 49.4”	085^0 01’ 17.6”	Yes	Urea-15 DAP-108 MOP-41			10 kg			15.9		
Dhaneswar Dhoba	Narayan Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 50.1”	085^0 01’ 18.4”	Yes	Urea- 18 DAP-110 MOP- 40			10 kg			15.7		
Birsamuni Dhoba	Tira Baitha	Chikitia	Nua gaon			22^0 22$^{'}$ 50.5”	085^0 02’ 57.5”	Yes	Urea-11 DAP-114 MOP-40			10 kg			13.9		
Nakul Dhoba	Thepa Dhoba	Chikitia	Nua gaon			22^0 22$^{'}$ 50.9”	085^0 02’ 57.7”	Yes	Urea-12 DAP-110 MOP-43			10 kg			14.7		
Chhotel	Maharu	Chikitia				22^0 22$^{'}$	085^0 02’	Yes	Urea-12			10 kg			12.9		

al Mahato	Mahato		Nua gaon			51.3”	58.2”		DAP-107 MOP-43								
Bhada Mahato	Bandhna Mahato	Chikitia	Nua gaon	9437379259		22^0 22’ 51.7”	085^0 02’ 58.7”	Yes	Urea-12 DAP-110 MOP-42			10 kg			13.8		
Sunil Dhoba	Karia Dhoba	Chikitia	Nua gaon			22^0 22’ 52.4”	085^0 02’ 58.2”	Yes	Urea-12 DAP-114 MOP-41			10 kg			14.5		
Sukanti Oram	Dinabandhu Oram	Chikitia	Nua gaon			22^0 22’ 52.7”	085^0 02’ 58.9”	Yes	Urea-16 DAP-111 MOP-43			10 kg			13.9		
Rajesh Dhoba	Baiju Dhoba	Chikitia	Nua gaon			22^0 22’ 58.9”	085^0 02’ 59.3”	Yes	Urea-12 DAP-108 MOP-43			10 kg			15.5		
Karia Dhoba	Bibhu Dhoba	Chikitia	Nua gaon			22^0 22’ 59.8”	085^0 02’ 59.7”	Yes	Urea-12 DAP-110 MOP-40			10 kg			14.6		
Chaitu Mahato		Chikitia	Nua gaon	9438646711		22^0 22’ 59.3”	085^0 02’ 45.2”	Yes	Urea- 18 DAP-111 MOP- 40			20 kg			16.7		
Brundaban Barla	Sila Barla	Chikitia	Nua gaon			22^0 22’ 57.9”	085^0 02’ 45.8”	Yes	Urea-16 DAP-112 MOP-41			10 kg			15.4		
Dhaneswar Mahato	Chunda Mahato	Chikitia	Nua gaon	9437766055		22^0 22’ 57.4”	085^0 02’ 44.4”	Yes	Urea-12 DAP-107 MOP-43			10 kg			14.6		
Bhubaneswar Mahato	Jhirga Mahato	Chikitia	Nua gaon			22^0 22’ 56.1”	085^0 02’ 43.1”	Yes	Urea-11 DAP-113 MOP-40			10 kg			13.9		
Sonu Mahato	Chunda Mahato	Chikitia	Nua gaon	9348226378		22^0 23’ 42.4”	085^0 02’ 41.8”	Yes	Urea- 18 DAP-109 MOP- 44			10 kg			14.4		
Sarita Mahato	Maharai Mahato	Chikitia	Nua gaon			22^0 23’ 42.8”	085^0 02’ 39.5”	Yes	Urea-12 DAP-106 MOP-43			10 kg			13.6		
Nandkishore Mahato	Shivnath Mahato	Chikitia	Nua gaon			22^0 23’ 42.1”	085^0 02’ 38.2”	Yes	Urea- 18 DAP-109 MOP- 42			10 kg			14.6		
Rupdhar Mahato	Bhadu Mahato	Chikitia	Nua gaon	8763798187		22^0 23’ 43.2”	085^0 02’ 37.4”	Yes	Urea- 16 DAP-109 MOP- 40			10 kg			13.7		

Arjun Mahato	Radhu Mahato	Chikitia	Nua gaon			22^0 23' 43.7"	085^0 02' 11.5"	Yes	Urea- 18 DAP-111 MOP- 40			10 kg			15.5		
Madhusudan Mahato	Praful Mahato	Chikitia	Nua gaon			22^0 23' 33.2"	085^0 02' 11.2"	Yes	Urea-12 DAP-108 MOP-41			10 kg			15.2		
Sushil Mahato	Loknath Mahato	Chikitia	Nua gaon	8249168629		22^0 23' 32.9"	085^0 02' 14.3"	Yes	Urea-11 DAP-110 MOP-42			20 kg			13.9		
Charku Baitha	Bhikari Baitha	Chikitia	Nua gaon			22^0 23' 32.6"	085^0 02' 14.8"		Urea-11 DAP-113 MOP-40			10 kg			14.6		
Sovan Mahato	Puna Mahato	Chikitia	Nua gaon			22^0 23' 30.9"	085^0 02' 16.3"		Urea- 18 DAP-109 MOP- 44			10 kg			13.9		
Mangal Dhoba	Samra Dhoba	Chikitia	Nua gaon			22^0 23' 30.5"	085^0 02' 16.7"		Urea-12 DAP-106 MOP-43			10 kg			14.4		
Rathu Mahato	Maharai Maahato	Chikitia	Nua gaon			22^0 23' 23.7"	085^0 02' 17.4"		Urea-16 DAP-111 MOP-43			10 kg			13.6		
Dhaneswar Mahato	Rathua Mahato	Chikitia	Nua gaon			22^0 23' 13.2"	085^0 02' 17.9"		Urea-12 DAP-108 MOP-43			10 kg			14.6		

Manasi Bhl

Signature of Head of Organization

Signature of Sr. Scientist & Head