#### **SUMMARY REPORT, 2018-19**

1. Project name with ID : Strengthening of Infrastructure for

Training and Demonstration of Hi-Tech

**Agricultural Machines** 

ID. OR/RKVY-EXTN/2017/796

2. Total Project cost : Rs.576.90 lakhs

**3.** Fund released : Rs.100.00 lakhs

4. Physical Progress

i) Training : <u>Target</u> <u>Achievement</u>

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ii) Demonstration : <u>Target</u> <u>Achievement</u>

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**5. No. of beneficiary benefitted** : Training: 116

Demonstration: 841

**6. Growth Impact** : Farmers awareness on Hi-Tech Agricultural

machinery created through training and on

farm demonstrations

#### **Background& Objectives**

The agricultural development in the state of Odisha has seen astounding success in recent past and the agricultural mechanization programme has been extremely supportive in this context. The sale of tractors, power tillers, transplanters, combine harvesters etc has increased in many folds throughout the state following which the production and productivity of all major crops are showing a positive trend. Though many hi-tech agricultural machineries are available in our country, our farmers are ignorant about their availability and use. Also, large no. of tractors (about 45,000), power tillers (90,000) and rice transplanters (2400) are available in our state and trained operators for these machinery are not available. Many tractorsand power tillers are operated by inexperienced persons as a result many accidents and casualties are frequently occurring in our state. Also recently advanced 4-wheeled drive transplanters are emerging in our state but no operators are available. Lack of proper knowledge and techniques for raising mat type nursery for the rice transplanters are the main constraints for low population of rice transplanters in the state. Line transplanting results about 15% higher yield of paddy and for this it is highly essential to organize training programmes on use, repair and maintenance of rice transplanter as well as nursery raising methods. Hence, it is high time to create trained operators for tractor, power tiller and rice transplanter in our state.

#### **Objectives**

- 1. To create infrastructure and procure hi-tech agricultural machines for awareness generation at state level through capacity building and field demonstrations.
- To conduct training programmes for unemployed youths on operation and maintenance of agricultural machines particularly tractor, power tiller and ricetransplanter.
- 3. To conduct demonstration-cum-training programmes of the hi-tech agricultural machines in farmers field/KVK farms/ RRTTS farms.
- 4. To assist the farmers for selecting quality hi-tech machines for adoption in their farms leading to augment high end farm mechanization.

## Farmers' Training Programme conducted during 2018-19 (2 weeks duration)

#### 1. Operation and Maintenance of Tractor

Sl.No.	Duration	No. of Trainees
1.	18.06.2018 - 30.06.2018	19
2.	10.12.2018 - 22.12.2018	17

Two weeks farmers' training "Operation programme and on Maintenance of Tractor" was organized during  $18^{th} - 30^{th}$  June, 2018 and  $10^{th}$  to 22<sup>nd</sup> December, 2018 in the College of Agricultural Engineering and Technology, OUAT, Bhubaneswar. Thirty six numbers of rural youths from different districts of the state participated in theabove two training programmes. Prof. S. Pasupalak,



Hon'ble Vice Chancellor, OUAT inaugurated the 1st trainingprogramme and interacted with the trainees. The training programme on operation and maintenance of tractor aimed to enhance the

theoretical and practical knowledge of participants on different components and systems of tractor, tractor driving, its maintenance schedule etc. They were taught about different parts of tractor engine, ignition system, fuel supply system, lubrication system, cooling system, power transmission, hydraulic system of tractor along with trouble shooting and repair maintenance schedule



of tractor. They were trained on tractor driving (on road and field condition) with different implements like rotavator, cultivator, seed drill, axial flow thresher and trolley. During two

weeks training programmes, trainees also visited farmers' fields and discussed about the repair and maintenance of tractor with the local progressive farmers having tractors. During the training programmes, free lodging and boarding facilities were provided by the project in Farmers Hostel, OUAT, Bhubaneswar. After completion of the training programme, certificate and odia training manual were provided to the trainees.





#### 2. Operation and Maintenance of Rice Transplanter

Sl.No.	Duration	No. of Trainees
1.	30.07.2018 - 11.08.2018	20
2.	21.01.2019 - 02.02.2019	20

Two weeks farmers' training Operation programme and on Maintenance of Rice Transplanter wereorganised from 30th July to 11th August, 2018 and 21st January to 2nd February, 2019 in the College of Agricultural Engineering and OUAT, Technology, Bhubaneswar.



Forty numbers of rural youths from different districts of the state joined these training programmes. The training programmeenvisaged to enhance the theoretical and practical knowledge of the participating farmers on different types of transplanters, their mechanisms and

maintenance schedule etc. The participants were trained on preparation of mat type nursery in field and by automatic nursery



raising machine, dismantling and assembling of transplanter engine, gear box and finger assembly. Field visits were arranged for exposure of the trainees and interaction with the users of rice transplanters. Field visit to the farmers field at Gop and Balanga were arranged for the two training

programme respectively. Trainees interacted with the transplanter users, visited their fields, cut nursery cakes and transplanted in fields with different models of transplanters. The training programme on rice transplanter were highly appreciated by the participants as the training would be beneficial for rice growers to reduce the cost, time and drudgery involved in conventional manual transplanting method. At the end of the training programme, certificate and training manual in odia languages were provided to the trainees.









#### 3. Operation and Maintenance of Power Tiller

Sl.No.	Duration	No. of Trainees
1.	24.09.2018 - 06.10.2018	20
2.	11.02.2019 - 23.02.2019	20

Two weeks farmers' training programme on Operation and Maintenance of Rice Transplanter wasorganised from 24<sup>th</sup> September to 6<sup>th</sup> October, 2018 and 11<sup>th</sup> February to 23nrd February, 2019 in the College of Agricultural Engineering and Technology, OUAT, Bhubaneswar. Forty numbers of rural youths from



different districts of the state joined this training programme. The training programmeenvisaged to enhance the theoretical and practical knowledge of the participating farmers on different types of power tillers, their operation and maintenance schedule etc. The participants were trained on different parts and system of power tiller, dismantling and assembling of engine and gear box of power tiller, dry and wet tillage operation of power tiller, fitting of cage wheels, operation of power tiller with trolley and thresher. During the training programme, one day farmers field exposure programme arranged to visit the village Injana, Barang block (both the training) where

a good numbers of power tillers are available. The trainees interacted with the users, checked their power tillers, met farmers queries and operated the power tillers in their fields to check the conditions of the power tillers. After completion of the training programmes, certificates and training manual in odia were provided to the trainees.





Free lodging and boarding to all the trainees were provided by the project in Farmers Hostel, OUAT, Bhubaneswar. Besides this, their to and fro travel expenses were reimbursed on production of bus/train tickets. During 2018-19, total 116 farmers were trained in operation and maintenance of Tractor, Power tiller and Rice transplanter.

# Demonstration of Hi-Tech Agricultural Machines in farmers field conducted during 2018-19

#### 1. Demonstration of OUAT Ragi Thresher cum Pearler

Demonstration of OUAT Ragi Thresher cum Pearler was organized at village P. Govindpur, Mohana block, Gajapatidistrict on 23<sup>rd</sup> May, 2018. Sixty nine numbers of farmers witnessed the demonstration programme. The performance of the machine was highly appreciated by the farmers. Farmers showed their keen interest to purchase the machine.



Address and contact number of the manufacturer was provided to the interested farmers for purchase of themachine.

#### 2. Demonstration of Tractor operated Straw Chopper

Demonstration of tractor operated straw chopper was organized at Beroboi, Dealanga, Puri on 4<sup>th</sup> June, 2018. It is a new technology machine used to chop the straw residue left in combine harvested fields and not available in the state. Fifty two farmers attended the demonstration programme. The performance of straw chopper was highly



appreciated by the farmers as it facilitates straw incorporation in paddy fields.

#### 3. Demonstration of Tractor operated Groundnut Thresher

Demonstration of tractor operated groundnut thresher was organized at village Andhuti, Dist.-Khurdha on 6<sup>th</sup> June, 2018. This machine can harvest both freshly harvested groundnut as well as dried crops. Forty-nine farmers witnessed the demonstration programme. Some farmers wanted to procure this machine. The address and contact numbers of manufacturers were provided to the interested farmers.



#### 4. Demonstration of Power operated Pulse Thresher

Demonstration of power operated pulse thresher was organized at village Kansapala, Dist.-Mayurbhanj on 8<sup>th</sup> June, 2018. Fifty four numbers of farmers attended the demonstration programme. As this is a low cost machine, some farmers were very much interested to purchase this machine after witnessing the performance of the machine.



#### 5. Demonstration of Tractor operated Seed-cum-Fertilizer Drill

Demonstration of tractor operated seed-cum-fertilizer drill was organized at village Gudadani of Phulbanidistrict on 5<sup>th</sup> July, 2018. Fifty one numbers of farmers attended the demonstration programme. As it is a multi crop planter, farmers wanted to know the type of seeds that can be used in this machine, its availability, cost and subsidy available for this machine. Their querieswere met and



the address of the suppliers of the machine were provided to the farmers.

#### 6. Demonstration of self propelled4-row rice transplanter

Demonstration of a self propelled 4-row walk behind type rice transplanterwas organized at village Birudihiof Mayurbhanj district on 28<sup>th</sup> August, 2018. Fifty one farmers attended the demonstration programme. They were explained about the methods of mat type nursery preparation and its benefit and cost economics.



#### 7. Demonstration of Power weeder for low land line transplanted Paddy

Demonstration of Power weeder for low land line transplanted Paddy was organized at village Badjod, Mayurbhanj district on 1st October, 2018. One hundred twenty three numbers of farmers attended the demonstration programme. The scientists of KVK, Mayurbhanj-I and officials of the line department of



Govt. of Odisha witnessed the demonstration programme. They were explained about the use and maintenance of different makes and models of power weeders available in the state, their cost, availability and Govt. incentives available to purchase the machine. Some farmers operated the power weeders and expressed their satisfaction about the performance of the machine.

#### 8. Demonstration of self propelled power reaper

Demonstration of self propelled power reaper was organized at village Muktapur, Tangi block of Cuttack district on 5<sup>th</sup> November, 2018. Sixty numbers of farmers attended the demonstration programme. The farmers themselves operated the machine and expressed their happiness and wanted to know



the availability of the reaper. The cost economics of the machine was explained to the farmers.

#### 9. Demonstration of Mini Combine Harvester

Demonstration of a Mini Combine Harvester was organized at village Bilahata, Sadar block, Cuttack on 7<sup>th</sup> December, 2018. Twenty fourfarmers attended the demonstration programme. As it is a light weight and low cost machine, farmers were interested to know its economics and constraints. Their queries were met satisfactorily and the address of the



supplier was given to the interested farmers.

#### 10. Demonstration of Tractor operated Happy seeder

Demonstration of tractor operated happy seeder for line sowing of green gram was organized at village Jasuapur, Khurdadistrict on 14<sup>th</sup> December, 2018. Twenty five numbers of farmers witnessed the demonstration programme.



#### 11. Demonstration of Tractor operated Zero Till Drill

Demonstration of tractor operated zero till drill for line sowing of green gram was organized at village Sarpokhari, Nayagarhdistrict on 10<sup>th</sup> January, 2019. Two hundred forty seven numbers of farmers witnessed the demonstration. It is a new machine for their area and as no tillage operation is required for line sowing of green gram/black gram, farmers



appreciated this machine and requested to organize such demonstration programmes in different location of the district. The cost economics of the machine and its availability, incentives to purchase the machine and field conditions required for its use were explained to the farmers.

#### 12. Demonstration of tractor operated whole straw thresher

Demonstration of a tractor operated whole straw thresher was village organized at Beroboi, Puridistrict on 19th February, 2019. This is a new technology machine and farmers can get the whole straw after threshing operation and hence the farmers income will be increased. Thirty six numbers of farmers witnessed the demonstrationprogramme. They



highly appreciated the machine as the commercially available axial flow thresher discharge the chopped straw which is of no use to them but this machine discharge the whole straw which can be used for mushroom cultivation in their area. The farmers expressed that by using this machine, they can get additional income of Rs 3500/- 4000/- per acre by selling straw bundles.

They wanted to know its availability, cost, spare parts and after sales service of the machine. Their queries were met in details and the dealers address with contact numbers were provided.

#### **Summary of demonstration programmes**

Sl	Date	Machine demonstrated	<b>Location</b> of	No. of
No			demonstration	participants
1	23.05.2018	OUAT Ragi thresher cum	P.Govindpur,	69
		pearler	Mohana, Gajapati	
2	04.06.2018	Tractor operated straw chopper	Beroboi, Dlang, Puri	52
3	06.06.2018	Tractor operated groundnut	Andhuti, Khurda	49
		thresher		
4	08.06.2018	Power operated pulse thresher	Kansapal,	54
			Mayurbhanj	
5	05.07.2018	Tractor operated seed cum	Gudadani, Phulbani	51
		fertilizer drill		
6	28.08.2018	Self propelled 4-row walk	Birudihi,	51
		behind type rice transplanter	Mayurbhan	
7	01.10.2018	Power weeder for lowland line	Badjod, mayurbhanj	123
		transplanted paddy		
8	05.11.2018	Self propelled power reaper	Muktapur, Tangi,	60
			Cuttack	
9	07.12.2018	Mini combine harvester	Bilahata, Salipur,	24
			Cuttack	
10	14.12.2018	Tractor operated happy seeder	Jasuapur, Khurda	25
11	10.01.2019	Tractor operated zero till drill	Sarpokhari,	247
			Nayagarh	
12	19.02.2019	Whole straw paddy thresher	Beroboi, Dlang, Puri	36
	•		Total	841

#### **SUCCESS STORIES**

1. Sri MirjaBeshra, a rural youth from Village-Rangamatia, Bhimkhanda, Dist.- Mayurbhanj joined the two weeks training programme on "Operation and Maintenance of Tractor" during 18<sup>th</sup>- 30<sup>th</sup> June,2018. After being trained, he is now working as a tractor driver in their area. He is now earning Rs.15,000/- per month



2. Sri Sagar Mallick who hails from a village named Mohana, Dist.- Gajapati joined the two weeks training programme on "Operation and Maintenance of Power Tiller" from 24<sup>th</sup> September to 6<sup>th</sup> October, 2018. After learning about the different components and systems of power tiller, dismantling and assembling of engine and gear box of power tiller, he has startedhis own workshop at Mohana (block) and involved in repairing of power tillers. He is earning aboutRs.10,000/-per month and marked his first step as an entrepreneur.



3. Sri BrajamohanHembram, a rural youth from village Badasahi, Dist.- Mayurbhanj attended two weeks training programme on "Operation and Maintenance of tractor" from 10<sup>th</sup>- 22<sup>nd</sup> December, 2018. After completing the training programme, he purchased a new tractor and he himself operates it for different tillage and transportation of farm produce for his own farm and earning by giving his tractor on custom hiring in their nearby areas.



4. Sri Purushotam Pradhan who hails from a village named Majhipali of Bargarh district was trained in two weeks training programme on "Operation and Maintenance of Power Tiller" during 11-23 February, 2019. After successful completion of training, he is now engaged as a power tiller operator in his village and earning about Rs 6000/- per month. He is also involved in repairing of power



tiller and earns about Rs.5000/- per month from repairing works thereby total monthly income of about Rs 11,000/-.

#### Print & Electronic media coverage

#### A. DoordarshanProgramme

**1.** Telecast of demonstration programme of Power Pulse thresher in Krushi Darshan of Doordarshan Kendra, Bhubaneswar on 21.06.2018



2. Telecast of demonstration programme of Power weeder inKrushi Darshan of Doordarshan Kendra, Bhubaneswar on 22.02.2019



3. Telecast of Inaugural function, Training programme on Tractor in Krushi Darshan of Doordarshan Kendra, Bhubaneswar on 21.06.2018



5. Telecast of Inaugural function, Training programme on Power Tiller in Krushi Khabar, KrushiDarshan of Doordarshan Kendra, Bhubaneswar on 12.02.2019



6. Telecast of a discussion on RKVY Training & Demonstration programme in Pallishreeof Doordarshan Kendra, Bhubaneswar on 18.02.2019



7. Telecast of demonstration programme of zero till drill inKrushi Darshan of Doordarshan Kendra, Bhubaneswar on 04.02.2019



8. Telecast of demonstration programme of SCFD inKrushikhabar, Krushi Darshan of Doordarshan Kendra, Bhubaneswar on 08.02.2019



9. Telecast of Training programme on Automatic nursery raising machine in Krushi Darshan of Doordarshan Kendra, Bhubaneswar on 12.02.2019



10. Telecast of Training programme on Rice Transplanter in Krushi Darshan of Doordarshan Kendra, Bhubaneswar on 21.02.2019



11. Telecast of demonstration programme of whole straw thresher in Krushikhabar, KrushiDarshan of Doordarshan on 06.03.2019



# 12. Telecast of training programme on operation and maintenance of power tiller in Krushi Darshan of Doordarshan on 06.03.2019



#### **B.** Publication in Print Media





ବିକାଶ ଓ ସଶ୍ରୀଳରଣ ପୁକଳ

ସୁହିନ୍ନିଯୋଗ ଓ ସୁପରିଚାଳନା ଏକାର

ପୂଖ୍ୟ ପ୍ରଫେସର ଦେହରାଳ ନେହେରା

ସ୍ୱାଗତ ଭାଷଣ ବେଇଥିଲେ । ପ୍ରଳହର

ଅଗ୍ରଣୀ ତାକ୍ଷା ଅଂଶ ଗ୍ରହଣ କରିଥିଲେ ।



ଜିଲା ଡେଲାଙ୍ଗ ବୁକ ଅନ୍ତର୍ଗତ ବେରବୋଇ ଗ୍ରାମଠାରେ ଆ ଓ

ୟାଜିତ ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଭିଉିଭୂମିର ବିକାଶ ଓ ସଶକ୍ତୀକରଣ

ଶୀର୍ଷକ ପ୍ରକଳ୍ପ ପକ୍ଷରୁ ପ୍ରଦର୍ଶନ କରାଯାଇଛି । କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ

ନିରାକ୍ଷକ ପ୍ରଫେସର ଅଶ୍ୱିନୀ କୁମାର ଗୋଏଲ ଓ ଉପମୁଖ୍ୟ

ନିରୀଷକ ସଂଗ୍ରାମ କେଶରୀ ସ୍ୱାଇଁ ଏହାର କାର୍ଯ୍ୟକାରିତା ସଂକ୍ରାନ୍ତରେ

ଆଲୋଚନା କରିଥିଲେ । ଗବେଷଣା ସହାୟିକା ପ୍ରେରଣା ପ୍ରିୟଦର୍ଶିନୀ

କେନା, ପ୍ରଦୀପ ସ୍ୱାଇଁ, ମନମୋହନ ନାୟକ ପ୍ରମୁଖ କାର୍ଯ୍ୟକ୍ରମ

ପରିଚାଳନାରେ ସହଯୋଗ କରିଥିଲେ ।

ଉତ୍ପାଦନ ଉତ୍ତତରେ ବିଶ୍ୱବିତ୍ୟାଳୟ କଳପତି ପ୍ରଫେସର । ସମନ୍ଦରେ ଆଲୋକପାତ କରିଥିଲେ । ବିଶ୍ୱବିତ୍ୟାଳୟ

ସୁରେହ୍ୟକାଥ ପଶ୍ଚୀଳକ ମୁଖ୍ୟ ଅତିଥିବାକେ ଠାରେ ବିଭିନ୍ନ ସମୟରେ ଟାକ୍ର, ପାଧ୍ୱାର ଟିଲର ଓ

ଯୋଇତେବଥିଲେ । କୃଷିଯାରିକ ଓ ବୈଷୟିକ ଧାନରୁଆ ଯର ଉପରେ ଦୁଇ ସହାହବ୍ୟାସୀ ଚାଲିକ

ମହାରିତ୍ୟାଳୟର ଅଧ୍ୟକ୍ଷ ପ୍ରଫେସର ଫଳୟ କ୍ରମାର ବାଶ । କାର୍ଯ୍ୟକ୍ରମ ଅସ୍ଟୋଜନ କରାଯିକ ବୋଲି ପ୍ରକଳ୍ପର ଉପସ୍ଥଳ୍ୟ

କାଳକା ଓ ଇଥଣାବେଥଣ ସମନ୍ଦାୟ ନିରୀଥକ କଃ ସଂଗ୍ରାମ କେଶରୀ ୱାଇଁ ପୂଚନା ଦେଉଥିଲେ ।

କୁଦନେଶ୍ୱର, ୧୧।୨/ଏନ୍ଏନ୍ଏସ୍: ଓୟୁଏଟିର କ୍ଷିଯାଜୀକ ଓ ଚୈଷୟିକ ମହାବିଦ୍ୟାଳୟରେ ପାସ୍ତାର ଟିଲର ପରିଚାଳନା, ମରାମତି ଓ ରକ୍ଷଣବେକ୍ଷଣ ସୟକ୍ଷୀୟ ତାଲିମ୍ କାର୍ଯ୍ୟକ୍ରମ ଆରମ୍ଭ ହୋଇଛି । ରାଷ୍ଟ୍ରୀୟ କୃଷି ବିକାଶ ଯୋଜନା ଜରିଆରେ ଭିଭିଭୂମିର ଦିକାଶ ଓ ସଶ୍ରଭିକରଣ ଶୀର୍ଷକ କାର୍ଯ୍ୟକ୍ରମ ଦୂଇସପ୍ତାହ ବ୍ୟାପୀ ଚାଲିବ । ଏହି ତାଲିମ୍ କାର୍ଯ୍ୟକ୍ରମରେ ରାଜ୍ୟର ବିଭିନ୍ନ ଜିଲ୍ଲାଗ୍ର ୨୦ଜଣ ଯୁବରାଷୀଙ୍କୁ ପ୍ରଥମ ଦିନ ତାଲିମ୍ ପ୍ରଦାନ କରାଯାଇଛି । ଏହି ତାଲିମ୍ କାର୍ଯ୍ୟକ୍ରମକ୍ ଉଦ୍ଘାଟନ କରିଥିଲେ ମହାବିଦ୍ୟାଳୟର ଅଧ୍ୟକ୍ଷ ପ୍ରଫେସର ସଞ୍ଜୟ କୁମାର ଦାଶ । ଶ୍ରୀ ଦାଶ ଯୁବଚାଷୀଙ୍କଠାରୁ କୃଷି ସମ୍ପନ୍ଧୀୟ ସମନ୍ତ ଅସୁବିଧା ଶୁଣିବା ପରେ ଚାଷକ୍ଷେତ୍ରରେ କୃଷିଯନ୍ତପାତିର ପ୍ରୟୋଗର ଜ୍ଞାନକୌଶଳ ଉପରେ ବୁଝାଇଥିଲେ । ସେହିପରି ବିଭାଗୀୟ ମୁଖ୍ୟ ପ୍ରଫେସର ଦେବରାଜ ବେହେରା ଯୋଗଦେଇ ଚାଷୀମାନଙ୍କୁ କୃଷି ଯନ୍ତପାତିର ବ୍ୟବହାର ସମ୍ପର୍କରେ ଜ୍ଞାନ ବାଷିଥିଲେ । ପ୍ରଫେସର ସଂଗ୍ରାମ କେଶରୀ ସ୍ୱାଇଁ ପାଣ୍ଡାର ଟିଲ୍ର ଓ ଧାନରୁଆ ଯତ୍ତର ବ୍ୟବହାର ସମ୍ପର୍କରେ ବୁଝାଇଥିଲେ । ପ୍ରଫେସର ଅଶ୍ୱିନୀ କ୍ରମାର ଗୋଏଲ ତାଲିମ୍ କାର୍ଯ୍ୟକ୍ରମ ସମ୍ଭନ୍ଧରେ ବିବରଣୀ ପ୍ରଦାନ କରିଥିଲେ ।



# ଧାନତଳି ରୁଆ ଯନ୍ତ୍ରର ବ୍ୟବହାର ତାଲିମ୍ ଆରୟ



#### ଜୁବନେଶ୍ୱର, ୨ ୨।୧/ଏନ୍ଏନ୍ଏସ୍:

ଓୟଏଟିର କୃଷି ଯାଞ୍ଜିକ ଓ ବୈଷୟିକ ମହାବିଦ୍ୟାଳୟରେ ରାଷ୍ଟ୍ରୀୟ କୃଷି ବିକାଶ ଯୋଜନା ଅବର୍ଗତ ଅତ୍ୟାଧିନିକ କୃଷି ଯନ୍ତପାତିର ତାଲିମ୍ ଓ କ୍ଷେତ୍ର ପ୍ରଦର୍ଶନ ନିମରେ ଭିଭିଭ୍ନମିର ବିକାଶ ଓ ସଶ୍ରଭିକରଣ ଶୀର୍ଷିକ ଏକ କାର୍ଯ୍ୟକ୍ରମ ଆରୟ ହୋଇଛି । ଏହି କାର୍ଯ୍ୟକ୍ରମକ୍ ମହାବିଦ୍ୟାଳୟ ଅଧ୍ୟକ୍ଷ ପ୍ରଫେସର ସଞ୍ଜୟ କୁମାର ଦାଶ ଉପସ୍ଥିତ ରହି କହିଲେ ସେ, ବର୍ତ୍ତମାନ ଆଧୁନିକର ଯୁଗ । ବିଭିନ୍ନ ବୈଜ୍ଞାନିକ ପ୍ରଶାଳୀ ଓ ଅତ୍ୟାଧିନିକ ଯଜପାତି ସାହାଯ୍ୟରେ ଚାଷୀ ଉପକ୍ତ ହୋଇପାରିବେ । ଚାଷୀମାନେ କିପରି ଧାନତଳି ପୁଷ୍କୃତି, ବିଭିନ୍ନ ପ୍ରକାର ଧାନତଳି ରୁଆ ସତ୍ତର କାର୍ଯ୍ୟକାରିତା ଓ ବ୍ୟବହାର ସମ୍ପର୍କରେ ସୂଚନା ଦେଇଥିଲେ । ଏହା ହାରା ଚାଷୀମାନେ ଉପକ୍ତ ହେବେ । ସେମାନେ ବ୍ୟବସାୟୀକ ଭିଭିରେ ବିଭିନ୍ନ ଅଞ୍ଚଳରେ କମ୍ ଖର୍ଚ୍ଚରେ କମ୍ ପରିଶ୍ରମରେ ଧାଡ଼ିରେ ଧାନରୁଆ କାମ କରିପାରିବେ । ଏହା ହାରା

ଚାଷୀମାନେ ଆର୍ଥିକ ଓ ସାମାଜିକ କ୍ଷେତ୍ରରେ ଉନ୍ନତି ଆସିପାରିବ ବୋଲି କ୍ଷେତ ଯନ୍ତପାତି ବିଭାଗର ମୁଖ୍ୟ ପ୍ରଫେସର ଦେବରାଳ ବେହେରା ଉପସ୍ଥିତ ରହି ଚାଷୀଙ୍କ ପରାମର୍ଶ ଦେଇଥିଲେ । ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ନିରୀକ୍ଷକ ପ୍ରଫେସର ଅଶ୍ୱିନୀ କ୍ରମାର ଗୋଏଲ କହିଲେ ଯେ, ପକଳ ପକ୍ଷର ଧାନତଳି ରଆ ଯଉର ତାଲିମ୍ କାର୍ଯ୍ୟକ୍ରମ ଏ ବର୍ଷ ଦ୍ୱିତୀୟ ଥର ପାଇଁ କରାଯାଇଛି । ଏହା ଆଗାମୀ ଦୂଇ ସପ୍ତାହ ବ୍ୟାପୀ କରାଯିବ । ଏଥିରେ ମହାବିଦ୍ୟାଳୟର ପୁରୁଖା ବୈଜ୍ଞାନିକମାନେ ଉପସ୍ଥିତ ରହି ବିଭିନ୍ନ ଜ୍ଞାନ ଶୈଳୀ ଉପରେ ପରାମର୍ଶ ଦେବେ ବୋଲି ସେ କହିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରକଳ୍ପର ଉପମୁଖ୍ୟ ନିରୀକ୍ଷକ ପ୍ରଫେସର ସଂଗାମ କେଶରୀ ସାଇଁ ପ୍ରକଳ୍ପ ତରଫରୁ ଆୟୋଳିତ ହୋଇଥିବା ବିଭିନ୍ନ କ୍ଷେତ୍ର ପଦର୍ଶନ ସମ୍ପର୍କରେ ସଚନା ପ୍ରଦାନ କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ରାଜ୍ୟ ବିଭିନ୍ନ ପ୍ରାନରୁ ୨୦ଜଣ ଅଗ୍ରଣୀ ଚାଷୀ ଯୋଗ ଦେଇଛନ୍ତି ।



Bhubaneswar, Wednesday 30 January 2019 ଭୁକନେଶ୍ୱର, ତୁଧିକାର ୩୦ ଜାନୁଆରୀ ୨୦୧୯

#### କଷି ଯାନ୍ତ୍ରିକ ଓ ବୈଷୟିକ ମହାବିଦ୍ୟାଳୟରେ ତାଲିମ ଶିବର

### ୫୦ ମିନିଟ୍ରେ ଏକ ଏକର ଜମିରେ ଧାନରୋଇବଟ୍ରାନ୍ସପ୍ଲାଣ୍ଟରମେସିନ୍

ପଦ୍ଧତିରେ ଧାନରୁଆ ପ୍ରଲୁଡି ଓ ରୋପଣ କରିବା ପରିବର୍ଜେ ଅଧୁନିକ ଅବସାତିରେ ଏହି କାମ କଳେ ଅଧିକ ଲାଇକାନ ହୋଇପାରିକେ । ଏକରେ କମିରେ ଧାନ ରୋପଣ କରିବା ପାଇଁ ପାରମ୍ପରିକ ପକରିରେ ପ୍ରାୟ ୧୨ରୁ୧୫ ଜଣ ରୋକ

ହୁବନେଶ୍ୱର,୨୯୮୧(ନି.ପ୍ରୀ:ବାଶୀମାନେ ପାରଖରିକ ୬ଧାଦି ବିଶିଷ ସ୍ୱୟ ଶଞ୍ଜିଚାଳିତ ଧାନରୁଆ(ପ୍ରବୃ ପ୍ଲାରେ) ମେସିକ୍ର ବଳାର ବର ପ୍ରାୟ ୧୬ ଲଞ୍ଚ ଟଙ୍କୀ ରହିଛି । ତେବେ ତାଷାମାନେ ଜିଲା ସହକାରା କୃଷିଯନ୍ତା/ ଅଧିକାରୀଙ୍କ ପାଖରୁ ଜିବିଟି (ଜାଇରେକ୍ କେନିଫିଟ ପ୍ରକୃତ୍ୟର)ଯୋଜନାରେ ଏହି ଅନ୍ତକୁ ପ୍ରାୟ ସତ ଲଞ



ଟଳାରେ ପାଇପାରିକେ । ଏହି ସନରେ YOU'SO ෆිබ්ද ෆමග අගය ඉතිය ରଞ୍ଚାକାର୍ଯ୍ୟ କରାଯାଇପାରିକ ବୋଲି ପଳକ୍ର ଉପମୁଖ୍ୟ ନିରାଥକ ପ୍ରଫେସର ସଂଗ୍ରାମ କେଶରୀ ସ୍ୱାଇଁ କହିଛନ୍ତି । ସେହିପରି । ୮ଧାଡ଼ି ବିଶିଷ ଧାନରୁଆ ମେସିନ୍ର ବର ୨ ଇଥ ଟଙ୍କୀ । ଏହି ମେସିନ୍ରେ ଏକର ଜମିରେ ଚାରାରୋପଣ ପାଇଁ ପ୍ରାୟ ଦୁଇ ଘଣ୍ଡା ଲାଗିବ । ଏହି ଯୱ ଜିଣିବା ପାଇଁ ଚାଞ୍ଚାମାନଙ୍କୁ ସହାଯତା ଯୋଗାଇ ଦେବାର ବ୍ୟବସ୍ଥା ରହିଛି । ସେହପରି ହାରଟଣା ଧାନ ତଳି ତୁଆ ଯନ୍ତର ବ୍ୟବହାର ସଂକାନ୍ତରେ ଯୁକ ଚାଖାଙ୍କୁ ଅବଗଡ କରାଯାଉଛି ।

ନିୟୋତିତ ହେବାସହ ପ୍ରାୟ ପାଞ୍ଚ ହଳାର ଟଙ୍କା ଖର୍ଚ ହୋଇଥାଏ । ତେବେ ସୁଙ୍ଗ ଶକ୍ତିଚାଳିତ ଧାନରୁଆ(ଟ୍ରାକୃ ପ୍ରାବର) ମେସିନ୍ ମାଧ୍ୟମରେ ଏହି ଜାର୍ଯ୍ୟ ମାତ୍ର ୫୦ ମିଳିଟ୍ରେ କର୍ମ ଖର୍ଚ୍ଚରେ ହୋଇପାରିବ । ଏନେଇ ରାଜ୍ୟର ଏକାଧିକ ଯୁଦ ଚାଗା ଓ ଦିଦ୍ୟାଥିକୁ କୃଷି ଓ ଦୈଷଣିକ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଅଧାନୟ କୃଷି ଯାଞ୍ଜିକ ଓ ବୈଷଣିକ ମହାବିତ୍ୟାଳୟରେ ପ୍ରଶିଷଣ ଦିଆଯାଇଛି । ରାଷ୍ଟ୍ରାୟ କୃତ୍ତି ବିକାଶ ଯୋଜନା ଅନ୍ତର୍ଜତ ଅତ୍ୟଧୁଳିକ କୃତ୍ତି ଶାର୍ତ୍ତନ ପ୍ରକଳ୍ପ ପଞ୍ଚଳ ଏହି ପ୍ରଶିଷଣ ଶିତିର କରାଯାଇଛି ।

ପ୍ରଶିଷଣରେ ବ୍ୟବହାର ହେଇଥିବା ଜାପାନର

୫ଟି ଜିଲାର ପୁଦ ତାଶା ଓ ବିଦ୍ୟାଳୟର ବିଦ୍ୟାର୍ଥୀମାନେ ଏହି ମୁଖିଞ୍ଜଣ ଶିଦିରରେ ଅଷ୍ଟ୍ରହଣ କରିଛନ୍ତି । ସେହପରି ଅତ୍ୟଧିନିକ ପହତିରେ କିପରି ଧାନରୁଆ ହୋଇପାରିକ ସେ ସଂକ୍ରାନ୍ତରେ ମଧ୍ୟ ଚାଷାକୁ ଅବଗଡ କରାଯାଇଛି । ଜାନୁସାରୀ ୨୧ତାରିଖରେ ଆରମ୍ଭ ହୋଇଥିବା ଏହି ଖିବିରକୁ ମହାଦିବ୍ୟାଳଗର ଅଧାର ପ୍ରଫେକର ସଞ୍ଜୟ କୁମାର ବାଶ ଓ କ୍ଷେତ୍ର ପତ୍ରପାତି ବିଜାଗର ମୁଖ୍ୟ ଦେବରାଜ ଦେହେରା ଯୋଗଦେଇ ଉଦ୍ଘାଟନ କରିଥିଲେ । ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ନାରିଖକ ଅଣ୍ଡିନ କୁମାର ଗୋଏକଙ୍କ ପଟ୍ୟକ୍ଷ ଜକ୍ୱାବଧାନରେ ଏହି ଶିତିର ପରିଚାଳନା ହେଉଛି ।



Bhubaneswar, Thursday 14 February 2019

ଭୁବନେଶ୍ୱର, ଗୁରୁବାର ୧୪ ଫେବୃଆରୀ ୨୦୧୯

#### କୃଷି ସମନ୍ଧୀୟ ପ୍ରଶିକ୍ଷଣ ଶିବିର

ଭୁଦନେଶ୍ୱର,୧୩୮୨(ନି.ପ୍ର): ଓଡ଼ିଶା କୃଷି ଓ ପ୍ରଫେସର ସଞ୍ଜୟ ମୁଖ୍ୟଅତିଥି ଭାବେ ମହାବି ବ୍ୟାକ୍ୟର ଅଧ୍ୟକ୍ଷ ଦେଇଥିଲେ ।

ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଅଧୀନୟ କୃଷି ଯୋଗଦେଇଥିଲେ । ପ୍ରକଳ୍ପର ମୁଖ୍ୟ ନିରୀକ୍ଷକ ଯାନ୍ତ୍ରିକ ଓ ବୈଷଯିକ ମହାବିଦ୍ୟାଳୟରେ ଅଶୋକ କୁମାର ଗୋଏଲ ବାର୍ଷିକ ବିବରଣୀ ପାୱାରଟିଲର ଚାଳନା, ମରାମତି ଓ ରକ୍ଷଣାେ ପାଠ କରିଥିଲେ । ପ୍ରକଳ୍ପର ଉପମୁଖ୍ୟ ନିରୀକ୍ଷକ ବକ୍ଷଣ ସଂକ୍ରାନ୍ତାୟ ଏକ ପ୍ରଶିକ୍ଷଣ ଶିବିର ପ୍ରଫେସର ସଂଗ୍ରାମ କେଶରୀ ସ୍ୱାଇଁ ଚାଷୀକୁ ଉଦ୍ଘାଟିତ ହୋଇଯାଇଛି । କାର୍ଯ୍ୟକ୍ରମରେ ପାଞ୍ଚରଟିଲର ପରିଚାଳନା ସମୁକ୍ଷରେ ପ୍ରଶିକ୍ଷଣ