

**OPERATIONAL GUIDELINES UNDER THE SCHEME DEVELOPMENT OF POTATO,
VEGETABLE AND SPICES FOR EXECUTION DURING KHARIF 2021**

A. AREA EXPANSION OF POTATO IN KORAPUT AND KANDHAMAL DISTRICTS

I. Selection of Farmers :

- a. Potential farmers will be selected giving due importance for cluster cultivation of Potato with due representation of SC & ST under the Scheme Dev. of Potato, Vegetable and Spices.
- b. One farmer cultivating minimum area of 0.10 Ha. of Potato is eligible to avail subsidy under the scheme and maximum area for availing subsidy is limited to 1.0 Ha.
- c. The individual farmer has to apply to the DDH / ADH concerned for availing the subsidy in the prescribed application form (copy enclosed as **Annexure - I**) along with the Id proof, Land and Bank A/c details.
- d. The verification with respect to the eligibility and land suitability to be certified by the AHO of concerned Block along with the identification of the farmer by Gardner / HEW / HO.

II. Subsidy Pattern :

- a. The maximum allowable subsidy is Rs. 58,000/- per Ha. @ 40% of total cost of cultivation of Rs. 1, 45, 000/- (copy enclosed as **Annexure - III**).
- b. The subsidy will be allowed in two phases as **Seed Subsidy** and after 1st earthing up as **Planting Care Subsidy**.
- c. The **Seed Subsidy** is Rs. 43,875/- per Ha. irrespective of the variety procured and the source of procurement and shall be released to the suppliers on authentication by the farmer.
- d. The **Planting Care Subsidy** is Rs. 14,125/- per Ha. and is to be released to the farmers after first earthing up i.e after 21days of planting of Seed Potato.
- e. The subsidy will be released out of the allotted funds of Rs. 58,000/- per Ha. in the Scheme **Development of Potato Vegetable and Spices** under State Plan.

III. Verification and Procurement of Seed Potato :

- a. The list of empanelled supplier alongwith the variety wise rate quoted and willingness to supply the quantity is as follows.

Sl.No	Name of the Bidder	Variety	Rate per Qtl.	Willingness
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				Offered for Quantity to sell
01	Sukhjot Singh Bhatti, 136, Bhatti House, Ravindranagar Po- Model Town, Dist – Jalandhar, Punjab (144003) Mobile: 9814060561	K. Jyoti (CS/G3/G4)	Rs. 3900/- (L1)	300 MT
02	Prasad Seeds Pvt. Ltd. SY No. 77 Part, 78 Part, Kodakandla (Village), Gajwel (Mandol) ,Sidhipet – 502312, Telangana, Mobile: 9866012034	K. Jyoti (CS)	Rs. 3900/- (L1)	500 MT
		K. Himalini (CS)	Rs. 4600/-	100 MT
03	NHRDF , Regional Research Station, Paljhar, Boudh, Mobile: 9415575819, 7827946625	K. Jyoti (CS)	Rs. 4500/-	250 MT
		K. Khyati (CS)	Rs. 4500/-	8 MT
		K. Chipsona - 1 (CS)	Rs. 4500/-	9MT
		K. Chipsona - 3 (CS)	Rs. 4500/-	20MT
		K. Pukhraj (CS)	Rs. 4500	420MT
04	Agri Vision Garasahi, Baliapal, Via-Singla, Dist – Balasore , 756023, Mobile: 7008453848	K. Jyoti (G3 & G4)	Rs. 4000/-	450 MT
		K. Himalini (G3 & G4)	Rs. 4600/-	100MT

- b. Quality & purity of seed potato is the sole responsibility of the empanelled seed supplying agency as in **Point No. III (a)** (size of the tuber: 25mm to 45 mm; varietal mix should not be more than 0.1%; cut, bruised, unshapy, cracked tubers or those damaged by insects, slugs or worms shall not exceed more than 1% by weight).
- c. In view of the COVID-19 pandemic situation, the verification of the Seed Potato at the source point shall not be conducted. However, the suppliers have to get it verified at the delivery point for each lot prior to selling of Seed Potato to the farmers. The verification Committee will be comprised of DDH/ADH, KVK Scientist and AHO of the concerned Block.
- d. Seed Potato will be procured by the farmers from any of the empanelled supplier as in **Point No. III (a)** after confirming the status of approval made by DDH / ADH for cultivation of Potato. The Officials of the District / Sub-Division / Block will coordinate and supervise the Seed supply position and intimate this Directorate regarding the sale position of Seed Potato on daily basis.
- e. The empanelled Suppliers will ensure supply of Seed Potato to the approved farmers only in consultation with the DDH / ADH.
- f. The Seed Potato shall be supplied by the suppliers only after the receipt of the farmer share.

IV. Release of Subsidy :

- a. The DDH/ADH has to release the Seed Subsidy to the Supplier within one month from the date receipt of the Invoice from the supplier with the detailed list of farmers out of the approved list communicated by the DDH/ADH.
- b. For release of Seed Subsidy to the supplier by the DDH/ADH, the supplying agencies have to submit the authentication of the farmer towards receipt of the planting material in the Challan / Invoice.
- c. **Planting Care Subsidy** will be released to the farmers after taking the Geo enabled

photograph and submission of completion report (copy enclosed as Annexure - III) to avail final subsidy.

V. Verification, Reporting and Documentation :

- a. The HO/AHO will verify 100%, ADH will verify at least 25% and DDH will verify at least 10% of the beneficiary before the release of subsidy.
- b. The joint crop cutting report should be recorded by the AHO Concerned alongwith the Agriculture Officials / PRI members.
- c. A copy of the approved final beneficiary list in book form & a soft copy should be submitted to the Director of Horticulture, Odisha, Bhubaneswar through e-mail to **ahorkvy@gmail.com** after harvesting is over.

District	DDH/ ADH	Block	Supply of Seed Potato in Qntl.	Area Covered (in Ha.)	Avera ge Yield per Ha.	No. of beneficiary				
						ST	SC	OC	W	Total

- d. Care should be taken to link the farmers for sale of the produce at higher prices.

VI. Time Line for different activities to be under taken for Potato cultivation :

Name of the Activities	Tentative Date Line	Remarks
Selection of Farmers	1 st Week of June, 2021	Cluster Approach to be emphasized.
Land preparation by the farmers	2 nd Week of June, 2021	The farmers are to be advised for adding FYM during land preparation.
Indent of Seed Potato to be placed by DDH/ADH with the Supplying Agency.	2 nd Week of June, 2021	
Arrival of Seed Potato	3 rd to 4 th Week of June, 2021	
Sale of Seed Potato to the farmers	1 st Week of July, 2021	
Final land preparation and preparation of ridge and furrows	1 st Week of July, 2021	
Completion of Planting	2 nd Week of July, 2021	To be planted looking at dry spell period
1 st Weeding, Hoeing and Earthing Up	1 st Week of August, 2021	
2 nd earthing up and top dressing	4 th Week of August, 2021	
Disease and Pest Management	To be advised as and when required during the Crop period.	
Harvesting & Marketing	After 2 nd Week of October, 2021	
Submission of Beneficiary List and Crop Cropping Report	4 th Week of October, 2021	

**APPLICATION FORM FOR POTATO / ONION CULTIVATION UNDER THE SCHEME DEVELOPMENT OF
POTATO, VEGETABLE AND SPICES DURING 2020-21**

1. Name of the Farmer :
2. Father's /Husbands Name :
3. Address : a) Village :
b) G.P :
c) Block :
d) District:
4. a) Caste : SC/ST/OC
b) Sex : Male/Female
5. Category : SF / MF / BF
6. Aadhar No :
7. Bank Details :
Name of the Bank
Account No.
IFSC Code
8. Land Details (Mouza, :
Khata No, Plot No & Area)
9. Source of Irrigation : a) Tank b) Canal c) Lift Irrigation- Shallow/ Deep
availability Bore well / River Lift d) Dug Well
e) Perennial sources, etc.
10. Name of the Crop : **Potato / Onion**
11. Area to be covered :
(Min. 0.10ha and Max. 1.0 Ha.)
12. Previous experience :
if any.

CERTIFICATE

- i) I do hereby undertake that, the information furnished above are true to the best of my knowledge and belief.
- ii) I personally will be held responsible for success of the Crop by availing Govt. subsidy.

Identified by Gardener / HEW / HO

Signature of the Farmer

Certified by AHO

Approved by DDH/ADH

Annexure - II

**COMPLETION REPORT TO BE SUBMITTED BY THE FARMER FOR AVAILING
SUBSIDY UNDER THE SCHEME DEV. OF POTATO, VEGETABLE AND SPICES
DURING 2020-21**

Crop : **POTATO / ONION**

1. Name of the Farmer :
2. Address :
3. Location of the land :
4. Date of receipt of Seed Potato :
5. Date of Planting :
6. Date of 1st earthing up :
7. Geo enabled Photograph of the Cultivated field : **Attached / Not Attached.**

1. Certified that I have successfully completed the 1st earthing up of my Potato field after availing the seed subsidy under the Scheme Dev. of Potato, Vegetable and Spices and now eligible to avail planting care subsidy.
2. Certified that I shall take proper care of my Potato planted field till harvest and will intimate the field officials concerned well in advanced for conducting crop cutting experiment.

Signature of the Applicant

FOR OFFICE USE

Certified that the 1st earthing up of Potato cultivated field has been completed by Sri / Smt./ Miss _____ on dated _____ and a sum of Rs. _____ (Rupees _____) only may be released through DBT as planting care subsidy.

**Identified by Gardener / HEW / HO/
CIP Officials in case of Convergence in Potato**


Certified by AHO

A sum of Rs. _____ (Rupees _____) only is approved for payment of subsidy.

Signature of the DDH/ADH

Model Estimate for cultivation of 1 Ha. of Potato (<i>Solanum tuberosum</i>)					
Unskilled Labour Charge : Rs. 303.40/MD					
Sl.No	Components of Cost	Unit	Plant Density : 90000		
			Spacing: 45 cm x 22.5 cm		
			Nos	Rate (Rs.)	Cost (Rs.)
A. LABOUR					
1	Tractor Ploughing / Plt/Trench making	Hrs	5	1000	5000
2	Bullock plough for sowing	Days	4	400	1600
3	Cleaning field and bunds	MD	5	303.4	1517
4	Application of Compost & Basal fertilizer	MD	10	303.4	3034
5	Seed material treatment	MD	10	303.4	3034
6	Planting	MD	25	303.4	7585
7	Irrigation (Need based)	MD	15	303.4	4551
8	Intercultural operation (hoeing, weeding, earthing up, etc.)	MD	50	303.4	15170
9	Application of PP chemicals	MD	5	303.4	1517
10	Application of fertilizer & micronutrients	MD	10	303.4	3034
11	Harvesting & Post harvest handling	MD	75	303.4	22755
SUB TOTAL - A		MD	205		68797
B. INPUTS					
1	Cost of Seed materials	Qtl.	15	3000	45000
2	Seed treating chemicals			LS	1000
3	Manure / Compost	MT	10	1200	12000
4	Biofertilizers (Azotobactor + PSB)	Kg	10	80	800
5	Fertilizer				0
	Nitrogen	Kg	150	12.37	1856
	Phosphorus	Kg	80	47.8	3824
	Potassium	Kg	100	27	2700
6	Micronutrients	Kg	3	250	750
7	PP Chemicals	Nos		LS	5000
8	Irrigation Charges	Hrs	35	75	2625
SUB TOTAL - B					75555
Miscellaneous / Contingency @ 2% approximately.					648
GRAND TOTAL					145000

(Rupees One Lakh Forty five thousand) only.

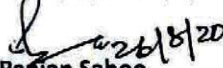

 Dr. Ashok Mishra,
 Professor & OIC,
 AICRP on Potato, OUAT


 Miss Shibani Deo,
 Accounts Officer O/o-DH(O)


 Dr. Pradyumna Tripathy,
 Prof. of Veg. Science, OUAT



 Dr. P.K. Bhanja,
 ADH (Policy) O/o-DH(O)


 Er. Jyoti Prakash Ray,
 AEE, Refrigeration, O/o-DH(O)


 Sri Chitta Ranjan Sahoo,
 AHO (RKVY) O/o-DH(O)

// Approved //

Sri N.K. Tad,
 Joint Director of Horticulture


 Director of Horticulture,
 Odisha, Bhubaneswar

B. POTATO DEMONSTRATION DURING KHARIF 2021

I. Selection of Farmers

- a. The farmers having suitable land will be selected for cultivation of Kharif Potato giving due importance for cluster cultivation with due representation of SC & ST under the Scheme Dev. of Potato, Vegetable and Spices.
- b. Each unit of demonstration of Kharif potato is 0.10 Ha. One farmer is eligible for one unit only.
- c. The selected farmer has to apply to the DDH / ADH concerned for taking up the demonstration in the prescribed application form (copy enclosed) along with the Id proof, , Land details and willingness to follow the package of practices as per guideline and to engage the labour at own cost and any extra input (if needed)beyond the inputs supplied under the programme.
- d. The verification with respect to the willingness and land suitability to be certified by the AHO of concerned Block along with the identification of the farmer by Gardner / HEW / HO.
- e. The seed potato will be procured by the DDH/ADH from the L-1 empanelled supplier as the district wise supplier allotted and cost to be paid to the supplier within 15 days of receipt of Invoice.

II. Pattern of Input Assistance

- a. The maximum allowable input support per unit of 0.10 Ha is Rs. 7,500/- (copy enclosed as **Annexure - IV**).

III. Procurement of Seed Potato and other inputs

- a. The Seed Potato will be procured from any L1 Supplier as per **Point – III (a)** of this Operational Guidelines and the supplier will be asked to supply the Seed Potato at the Cluster level in consultation with the Block level officials.
- b. The other critical inputs will be supplied to the farmers by procuring them as per the latest guidelines in force at the time of implementation. The inputs for pest and disease management have to be procured for preventive as well as control measure as and when needed.
- c. The payment to the supplier of Seed Potato and other inputs will be made by the DDH / ADH following due financial procedure out of the allotted funds under the scheme Dev. Potato, Vegetable and Spices.

IV. Verification, Reporting and Documentation

- a. The regular monitoring and supervision to be carried out by block level/ sub-divisional level /district level officials.
- b. The HO/AHO will verify 100% , ADH will verify at least 25% and DDH will verify at least 10% of the beneficiary before the release of subsidy.
- c. Joint crop cutting report should be recorded by the AHO Concerned alongwith the the Agriculture Officials / PRI members.
- d. A copy of the approved final beneficiary list in book form & a soft copy should be submitted to the Director of Horticulture, Odisha, Bhubaneswar through e-mail to **ahorkvy@gmail.com** after harvesting is over.

District	DDH/ ADH	Block	Supply of Seed Potato in Qntl.	Area Covered (in Ha.)	Avera ge Yield per Ha.	No. of beneficiary				
						ST	SC	OC	W	Total

- e. Care should be taken by the DDH/ADH to have documentation at the cluster level.

V. Time Line for different activities to be under taken for Potato Demonstration:

The time line as in **Point No – A (VI)** of this Operational Guidelines.

**INPUT SUPPORT FOR 1 UNIT (0.10Ha.) DEMONSTRATION OF POTATO
DURING KHARIF 2021**

Sl.No	Components of Cost	Qty.	Rate	Amount (in Rs.)
1	Cost of Seed Potato	1.5 Qtl	3900	5850
2	Seed treating chemical like Dithame M - 45 / Curzate M - 8		LS	100
3	Cost of DAP, MOP and Urea Fertilizer		LS	850
4	Mixed Micro Nutrients		LS	75
5	PP Chemicals like Mancozed 75WP / Ridomil / Imibacoloprig		LS	500
6	Miscellaneous and other unforeseen charges		LS	125
GRAND TOTAL				7500

(Rupees Seven thousand Five hundred) only.

- NB:-**
1. The cost structure is indicative one & intercomponental changes may be made at DDH / ADH looking at the requirement of Pest and Diseases management for healthy crop.
 2. Labour cost will be borne by the farmers.

C. AREA EXPANSION OF IN CONVERGENCE WITH THE RKVY PROJECT “SUSTAINABLE INTENSIFICATION OF POTATO FOR ACHIEVING SELF-SUFFICIENCY IN ODISHA” DURING KHARIF 2021

I. Selection of Farmers by CIP

- a. The farmers shall be selected for potato cultivation over 600Ha under the Small Farmers’ Large Field (SFLF) model by the International Potato Centre (CIP).
- b. The maximum area for availing subsidy is limited to 1.0 Ha in the convergence mode.
- c. The individual farmer has to apply to the DDH / ADH concerned through CIP officials for availing the subsidy in the prescribed application form (copy enclosed as **Annexure – I (a)** along with Id proof, Land and Bank A/c details.
- d. The verification with respect to eligibility to be certified by the CIP officials.

II. Subsidy Convergence Pattern

- a. In case of State Plan Scheme Development of Potato, Vegetables and Spices the allowable subsidy is Rs.58,000/- per Ha.
- b. The total financial support to be extended to the farmers under RKVY project implemented by this Directorate through CIP is Rs.28231/- per Ha.
- c. In order to equalize the subsidy for both the schemes, the convergence of State Plan Scheme Development of Potato, Vegetables and Spices shall be made with RKVY project Sustainable Intensification of Potato for achieving Self-sufficiency in Odisha.
- d. The differential subsidy out of Point No. 5 and 6 i.e.Rs.29679/- per Ha shall be paid for the RKVY project out of State Plan Scheme Development of Potato, Vegetables and Spices for potato cultivation in an area of 600 Ha.
- e. Out of Rs.29679/-,the seed subsidy shall be Rs.24375/-per Ha and the Planting Care subsidy shall be Rs.5394/-released on being recommended by CIP after 1st earthing up on submission of Completion Report (copy enclosed as Annexure - III) alongwith Geo enabled photograph.

III. Procurement of Seed Potato by CIP

The Seed Potato supply shall be facilitated by the CIP under the RKVY project. The Officials of the Directorate will coordinate and supervise the programme jointly.

IV. Release of Subsidy in Convergence with RKVY project

- a. The DDH/ADH has to release the dues towards the seed subsidy @ Rs.24375/-per Ha to the Supplier out of State Plan Scheme Development of Potato, Vegetables and Spices in the convergence programme within 15days from the date receipt of the Invoice. The amount due should be recommended by the CIP along with submission of Challans and Invoice received from the authentic Seed Potato Supplier.
- b. The Planting Care subsidy of Rs.5394/-shall be released after 1st earthing up on submission of Completion Report (copy enclosed as **Annexure - II**) alongwith Geo enabled photograph

V. Joint Verification, Reporting and Documentation

- a. The joint crop cutting report should be recorded by the AHO Concerned alongwith the CIP Officials and PRI members.
- b. A copy of the approved final beneficiary list of convergence programme in book form & a soft copy should be submitted to the Director of Horticulture, Odisha, Bhubaneswar through e-mail to **ahorkvy@gmail.com** after harvesting is over.

District	DDH/A DH	Block	Supply of Seed Potato in Qntl.	Area Covered (in Ha.)	Avera ge Yield per Ha.	No. of beneficiary				
						ST	SC	OC	W	Total

- c. Care should be taken jointly by the DDH/ADH and CIP officials to link the farmers for sale of the produce at higher prices.

APPLICATION FORM FOR POTATO CULTIVATION UNDER THE SCHEME DEVELOPMENT OF POTATO, VEGETABLE AND SPICES IN CONVERGENCE WITH RKVY PROJECT “SUSTAINABLE SUSTAINABLE INTENSIFICATION OF POTATO FOR ACHIEVING SELF-SUFFICIENCY IN ODISHA” DURING 2020-21

1. Name of the Farmer :
2. Father's /Husbands Name :
4. Address : a) Village :
b) G.P :
c) Block :
d) District:
4. a) Caste : SC/ST/OC
b) Sex : Male/Female
5. Category : SF / MF / BF
6. Aadhar No :
7. Bank Details :
Name of the Bank
Account No.
IFSC Code
8. Land Details (Mouza, :
Khata No, Plot No & Area)
9. Source of Irrigation : a) Tank b) Canal c) Lift Irrigation- Shallow/ Deep
availability Bore well / River Lift d) Dug Well
e) Perennial sources, etc.
10. Name of the Crop : **Potato (in Convergence with RKVY project)**
11. Area to be covered :
(Min. 0.10ha and Max. 1.0 Ha.)
12. Previous experience :
if any.

CERTIFICATE

- iii) I do hereby undertake that, the information furnished above are true to the best of my knowledge and belief.
- iv) I personally will be held responsible for success of the Crop by availing Govt. subsidy.

Identified by CIP Officials

Signature of the Farmer

Certified by AHO

Approved by DDH/ADH

D. AREA EXPANSION OF ONION DURING KHARIF 2021

I. Selection of Farmers

- a. Potential farmers will be selected giving due importance for cluster cultivation of Onion with due representation of SC & ST under the Scheme Dev. of Potato, Vegetable and Spices.
- b. One farmer cultivating minimum area of 0.10 Ha. of Onion is eligible to avail subsidy under the scheme and maximum area for availing subsidy is limited to 1.0 Ha.
- c. The individual farmer has to apply to the DDH / ADH concerned for availing the subsidy in the prescribed application form (copy enclosed as **Annexure - I**) along with the Id proof, Land and Bank A/c details.
- d. The verification with respect to the eligibility and land suitability to be certified by the AHO of concerned Block along with the identification of the farmer by Gardner / HEW / HO.

II. Subsidy Pattern :

- a. The maximum allowable subsidy is Rs. 58,000/- per Ha. @ 40% of total cost of cultivation of Rs. 1, 45, 000/- (copy enclosed as **Annexure - IV**).
- b. The subsidy will be allowed in two phases as **Seed Subsidy** and after planting of Onion Seedlings as **Planting Care Subsidy**.
- c. The **Seed Subsidy** is Rs. 18,750/- per Ha irrespective of the variety procured and the source of procurement and shall be released to the suppliers on authentication by the farmer.
- d. The **Planting Care Subsidy** is Rs. 45,250/- per Ha and is to be released to the farmers after 15 days of planting.
- e. The subsidy will be released out of the allotted funds of Rs. 58,000/- per Ha in the Scheme **Development of Potato Vegetable and Spices** under State Plan.

III. Verification and Procurement of Onion Seed :

- a. The list of empanelled supplier alongwith the variety wise rate quoted is as follows.

Name of the Bidder	Variety	Class	Rate Quoted per Kg.
NHRDF, Boudh, Mobile: 9415575819, 7827946625	AFDR	TL	Rs. 2500/- (L1)
NAFED, Bhubaneswar Mobile: 7738474819	Bhima Super (Dark Red, NAFED)	TL	Rs. 3000/-
	AFDR (Suraj - 7203)	Selection / TL	Rs. 2500/- (L1)
	N – 53 (Suraj – 7201)	Selection / TL	Rs. 3000/-
	N – 53 (Suraj – 7202)	Selection / TL	Rs. 2990/-

- b. It is the responsibility of the supplying agencies for getting the Seed Quality (i.e. germination percentage: minimum 70%, moisture percentage: maximum 8%) tested well in advance before supply to the farmers by requesting the Officers assigned for drawing the samples variety wise and lot wise as follows.

Name of the Supplying Agency	Officers assigned to draw Samples for Seed quality test.
NHRDF	ADH, Boudh
NAFED, Bhubaneswar	ADH, Bhubaneswar

- c. Onion Seed will be procured by the farmers from any of the empanelled supplier as in **Point No. III (a)** after confirming the status of approval made by DDH / ADH for cultivation of Onion. The Officials of the District / Sub-Division / Block will coordinate and supervise the Seed supply only after receiving the **Seed Quality test report**.
- d. The empanelled Suppliers will ensure supply of Onion Seed to the approved farmers only in consultation with the DDH / ADH.
- e. The Onion Seed shall be supplied by the suppliers only after the receipt of the farmer share.

IV. Release of Subsidy :

- a. The DDH/ADH has to release the Seed Subsidy to the Supplier within one month from the date receipt of the Invoice from the supplier with the detailed list of farmers out of the approved list communicated by the DDH/ADH.
- b. For release of Seed Subsidy to the supplier by the DDH/ADH, the supplying agencies have to submit the authentication of the farmer towards receipt of the Onion Seed in the Challan / Invoice.
- c. **Planting Care Subsidy** will be released to the farmers after taking the Geo enabled photograph and submission of completion report (copy enclosed as **Annexure - III**) to avail final subsidy.

V. Verification, Reporting and Documentation:

- a. The HO/AHO will verify 100%, ADH will verify at least 25% and DDH will verify at least 10% of the beneficiary before the release of subsidy.
- b. The joint crop cutting report should be recorded by the AHO Concerned alongwith the Agriculture Officials / PRI members.
- c. A copy of the approved final beneficiary list in book form & a soft copy should be submitted to the Director of Horticulture, Odisha, Bhubaneswar through e-mail to **ahorkvy@gmail.com** after harvesting is over.

District	DDH/ ADH	Block	Supply of Seed Potato in Qntl.	Area Covered (in Ha.)	Avera ge Yield per Ha.	No. of beneficiary				
						ST	SC	OC	W	Total

- d. Care should be taken to link the farmers for sale of the produce at higher prices.

Model Estimate for cultivation of 1 Ha. of Onion (<i>Allium cepa</i>)					
Unskilled Labour Charge : Rs. 303.40/MD					
		Plant Density : 600000			
		Spacing: 15cm x 10 cm			
Sl.No	Components of Cost	Unit	Nos	Rate (Rs.)	Cost (Rs.)
A. LABOUR					
1	Tractor Ploughing	Hrs	5	1000	5000
2	Cleaning field and bunds	MD	5	303.4	1517
3	Application of Compost & Basal fertilizer	MD	5	303.4	1517
4	Nursery bed preparation, Seed treatment & seed sowing	MD	5	303.4	1517
5	Nursery management for 1 month	MD	10	303.4	3034
6	Seedling treatment, planting & watering	MD	40	303.4	12136
7	Irrigation (Need based)	MD	30	303.4	9102
8	Intercultural operation (hoeing, weeding etc.)	MD	70	303.4	21238
9	Application of fertilizer & micronutrients	MD	5	303.4	1517
10	Application of PP chemicals & PGR	MD	10	303.4	3034
11	Harvesting & Post harvest handling	MD	110	303.4	33374
SUB TOTAL - A		MD	290		92986
B. INPUTS					
1	Cost of Seeds (Approx.)	Kg	10	2000	20000
2	Seed treating chemical @ 3g/kg	g	30	1	30
3	Manure / Compost	MT	10	1200	12000
4	Biofertilizers (Azotobactor + PSB)	Kg	10	80	800
5	Fertilizer	Kg	150	12.37	1856
	Nitrogen	Kg	60	47.8	2868
	Phosphorus	Kg	100	27	2700
	Potassium	Kg	3	250	750
6	Micronutrients	Nos	5	600	3000
7	PP Chemicals & PGR	Hrs	60	75	4500
8	Irrigation Charges				48504
SUB TOTAL - B					3510
Miscellaneous / Contingency @ 2% approximately.					145000
GRAND TOTAL					

(Rupees One Lakh Forty five thousand) only.

Dr. Ashok Mishra,
Professor & OIC,
AICRP on Potato, OUAT

Miss Shibani Deo,
Accounts Officer O/o-DH(O)

Dr. Pradyumna Tripathy,
Prof. of Veg. Science, OUAT

Dr. P.K. Bhanja,
ADH (Policy) O/o-DH(O)

Er. Jyoti Prakash Ray,
AEE, Refrigeration, O/o-DH(O)

Sri Chitta Ranjan Sahoo,
AHO (RKVY) O/o-DH(O)

// Approved //

Sri N.K. Tad,
Joint Director of Horticulture

Director of Horticulture,
Odisha, Bhubaneswar