

**PROPOSED PROJECT PLAN
FOR DEVELOPMENT OF
TRANSIT NURSERY, KUCHINDA
IN THE DISTRICT OF SAMBALPUR**

UNDER RKVY DURING THE YEAR 2018-19

Project Cost. Rs. 92.66 Lakh

Submitted by

Asst. Director of Horticulture, Kuchinda

Directorate of Horticulture,

Odisha, Bhubaneswar

EXECUTIVE SUMMARY

Name of the Project	DEVELOPMENT OF TRANSIT NURSERY, KUCHINDA		
Implementing Agency	Directorate of Horticulture, Odisha, Bhubaneswar		
Name and Address of the Executant	Asst. Director of Horticulture, Kuchinda		
Proposed Item of Works	Qty.	Estimated Cost in Lakh Rs.	Norm followed
Development of CC Road from Kuchinda main Road to Mother Block Section	500 Rmt.	14.25	State PWD
Construction of Boundry wall (Part)	400 Rmt.	20.00	State PWD
Construction of Shade net house	2000 Sqm.	14.20	NHM
Construction of Working Shed	600 Sft.	3.30	State PWD
Construction of Training Hall along with complete furnishing	1000 sft.	25.00	State PWD
Construction of storage godown cum- Nursery office & implement shed,	1000 sft.	15.00	State PWD
contingencies		0.91	
Total		92.66	

Rupees (Ninety two Lakh & sixty six Thousand) only

Source of fund: RKVY 2018-19**Project Cost :** Rs. 92.66 Lakh**Project Period :** 2 Year(2018-19-20lakhs,2019-20- 72.66lakhs)

BASIC INFORMATION OF TRANSIT NURSERY, KUCHINDA

- Name :** TRANSIT NURSERY, KUCHINDA
- Location :** Main Road, Kuchinda
- District :** Sambalpur
- Source of Irrigation:** River Bheden & Deep Bore well
- I. **Total Area :** 21.30 Acre.
- II. **Soil Type :** Sandy loam
- III. **Mother Plants :** available as follows.

Name of the Mother Plants	Variety	Nos
Mango	Amrapalli	53
	Malika	20
	Langada	6
	Neelam	7
	Dasherri	14
Litchi	Bomby	90
	Muzafarpur	60
Guava	Alahabad safeda	15

Back ground : The T.N., Kuchinda is situated on the bank of the River Bheden which crosses the main road, Kuchinda and is 22 K.M away from the NH-6 which joins to Jamankira Block Head Quarter. The total Geographical area is 21.30 Acres at present it is comprised of different mother plants as follows

Mango : 100 Nos

Litchi : 150 Nos

Guava : 50 Nos

Last year (2015-16) production of QPM is as follows

Mango graft : 30000 Nos

Litchi Gotee : 3000 Nos

Others : 5000 Nos

This year (2016-17)the production target is as follows

Mango Graft : 40,000 Nos

Litchi : Gotee 5,000 Nos

K. Lime : 1,000 Nos

The Proposed project envisages

- a) Dev of CC road
- b) Construction of Boundary wall (Part)
- c) Construction of Shade net House
- d) Construction working shed
- e) Construction of watch man shed
- f) Construction of Training Hall
- g) Construction of RCC Storage godown cum- Nursery office & implement shed

Problem : The entrance portion of the T.N is an isolated patch of 0.50 Ha out of total areas of 21.30 Acre . In order to prevent entry of trespassers it needs boundary wall on the front side which will also ensure the privacy of the nursery. Besides in this patch the provision of one sub-divisional level training Hall with capacity of 100 participants has been proposed for conducting different trainings as when required. With the increased graft production capacity the provision of working shed & extension of watchman shed is necessary. In order to store different inputs procured for the farmers needs secured storage place during the transit period So the construction of storage godown is proposed.

Further during the summer to provide the conducive environment for the grafts & seedlings the necessity of shade net house arises. In addition all weather road during the rainy season is a bare need for the frequent movement inside the Nursery.

Aim & Objectives :

- To increase the quality & quantum of planting materials of Mango and Litchi crops to meet the increased demand of the Sub-Division /District/ State.
- To produce the quality planting materials using the protected structure
- To educate the farmers, trainees, entrepreneurs etc. for capacity building on different aspects of horticulture including production of quality planting materials.
- To provide employment to the local people.
- To protect the Nursery and mother plants by construction of compound wall.
- To increase the farm revenue receipts thorough sale of QPM.

Strategy : The tentative production of QPM for 5 years is as follows.

<u>Year</u>	<u>Name the QPM / Nos</u>
2017-18	Mango : 40000
	Litchi : 5000
	K. Lime seedling 2000
	Other seedlings : 10000
2018-19	Mango : 40000
	Litchi : 5000
	K. Lime seedling 2000
	Other seedlings : 10000
2019-2020	Mango : 40000
	Litchi : 5000
	K. Lime seedling 2000
	Other seedlings : 10000
2020-2021	Mango : 40000
	Litchi : 5000
	K. Lime seedling 2000
	Other seedlings : 10000
2021-2022	Mango : 40000
	Litchi : 5000
	K. Lime seedling 2000
	Other seedlings : 10000

Target Beneficiary : Farmers of Kuchinda Sub-Division will mostly be benefited under NHM, State Plan and MGNREGS Scheme by availing the QPMs. Besides the entrepreneurs will be benefited by learning the various techniques of graft/ gootee/ seedling production etc

Management : The Transit Nursery is managed by the Asst. Director of Horticulture, Kuchinda. Other man powers include one Horticulture Overseer and one Gardener to look after the day to day Nursery.

Finance :

<i>Sl No</i>	<i>Proposed Item of work</i>	<i>Unit</i>	<i>Size</i>	<i>Rate per Unit (Rs.)</i>	<i>Total Amount(lakhs)</i>	<i>Cost Norm Adopted</i>
	Development of CC Road from Kuchinda main Road to Mother Block Section	Rmt.	500	2850.00	14.25	State PWD

	Construction of Boundary wall (Part)	Rmt.	400	5000.00	20.00	State PWD
	Construction of Shade net house	Sqm.	2000	710.00	14.20	NHM
	Construction of Working Shed	Sft.	600	550.00	3.30	State PWD
	Construction of Training Hall along with complete furnishing	Sft	1000	2500.00	25.00	State PWD
	Construction of storage godown cum- Nursery office & implement shed,	Sft.	1000	1500.00	15.00	State PWD
	Contingencies				0.91	
					92.66	

Time Frame:

Sl No	Item of work	Phases of work execution			
		Ist Quarter	IInd Quarter	III Quarter	IV Quarter
1	CC Road	Yes			
2	Boundry wall		Yes		
3	Shade net house		Yes		
4	Working Shed			Yes	
5	Construction of Training Hall			Yes	Yes
6	Storage godown			Yes	

Cost benefit analysis: Besides acting as the technology dissemination centre the expected sale proceeds / net profit is as follows.

Year	Name of the QPM	Nos to be produced	Cost involved	Sale proceeds	Net Profit
2018-19	Mango	40000	720000	1020000	300000
	Litchi	5000	80000	120000	40000
	Sub Total	45000	800000	1140000	340000
2019-2020	Mango	40000	720000	1020000	300000
	Litchi	5000	80000	120000	40000
	Sub Total	45000	800000	1140000	340000
2019-2020	Mango	40000	720000	1020000	300000
	Litchi	5000	80000	120000	40000
	Sub Total	45000	800000	1140000	340000


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Risk Analysis :

- I. **Legal/ Contractual Risks :** Care will be taken to engage labourers as per the latest Govt. Guide line.
- II. **Environmental Risk :** Suitable remedial measures will be taken up against the environmental Risk.
- III. **Project management Risk :** Any risk on management shall be monitored by the Director of Horticulture , Odisha Bhubaneswar.

Outcomes : The QPM needs for various scheme like NHM, State Plan, MGNREGA of the sub- Division Implemented through Horticulture Deptt. and other Line Deptt. of the Sub- Division can be fulfilled. Besides the surplus productions of Litchi and other QPMs can be diverted to outside district. Besides the Nursery being located in a strategic place of Kuchinda Sub- Division Head Quarter it is the centre of attraction of farmers and other all categories of people to gather information and knowledge about the Nursery management and fruit orchard management including water management technology etc.

Evaluation : It is to be made as decided by the Govt. as and when needed.


18/03/12
Asst. Agricultural Engineer
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