

**PROPOSED PROJECT PLAN
FOR DEVELOPMENT OF
PROGENY ORCHARD, KUCHINDA
IN THE DISTRICT OF SAMBALPUR**

UNDER RKVY DURING THE YEAR 2017-18

Project Cost. Rs. 93.87 Lakh

Submitted by

Asst. Director of Horticulture, Kuchinda

Directorate of Horticulture,

Odisha, Bhubaneswar

EXECUTIVE SUMMARY

Name of the Project	DEVELOPMENT OF PROGENY ORCHARD, 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 main gate to watchman shed	750 Rmt.	21.37	State PWD
Construction of Brick Masonry Boundary wall (Part)	900 Rmt.	45.00	State PWD
Construction of Shade net house	2000 Sqm.	14.20	NHM
Construction of Working Shed	600 Sft.	3.30	State PWD
Development of Irrigation source with bore well and Micro Irrigation	2.5 Ha	5.00	KSK Guideline
Construction of watchman shed	600sft	5.00	State PWD
TOTAL		93.87	

Rupees (Ninety Three Lakh & Eighty Seven Thousand) only

Source of fund: RKVY 2017-18

Project Cost : Rs. 93.87 Lakh

Project Period : 1 Year

BASIC INFORMATION OF PROGENY ORCHARD, KUCHINDA

Name : PROGENY ORCHARD , KUCHINDA

Location : Word No -4 , NAC, Kuchinda

District : Sambalpur

Source of Irrigation: Dug well & Deep Bore well(low discharge of water)

I. **Total Area :** 5.55 Acre.

II. **Soil Type :** Sandy loam

III. **Mother Plants :** available as follows.

Name of the Mother Plants	Variety	Nos
Mango	Amrapalli	25
	Malika	20
	Langra	6
	Neelam	7
	Dasheri	50
	Alakanil Kieran	30
	Lat sundari	10
	Nilson	25
	Niranjana	25
	Himsagar	10
	P.Arnama	25
	Arkapunit	45
	Sundari Langra	25
	Arkaarnima	25
	Mahamodbar	25
	Prabhasankar	10
Totapuri	25	
Subarnarekha	25	
Local elite	106	
Orange	Kinnow	500
	Nagpur	50

Back ground : The P.O., Kuchinda is situated very near to the Kuchinda township. This is only at 1.5 K.M away from the Office building of ADH, Kuchinda. The total Geographical area is 5.5 Acres and at present it is comprised of different mother plants as follows

Mango : 519 Nos

Citrus : 550 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) Development of Irrigation source with bore well and micro irrigation over 2.5 Ha

Problem : The water discharge from the present bore well is pure. So the QPM production is not being possible. Therefore the provision of a new borewell is proposed. For proper utilisation of water the provision of Micro irrigation for the Orange Orchard and Nursery section is required. 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 for the production of QPM of Mango and Orange the working shed & extension of watchman shed is necessary.

Further during the summer to provide the conducive environment for the grafts & seedlings the necessity of shade net house arises. Now one small shadenet house exists. In addition one new net house of 2000 sqm. has been proposed to produce the Hyb. Vegetable seedlings and flower seedlings to cater to the needs of farmers of the sub-division. An 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 Orange 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 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 : 5000
	Orange : 2000
	Other seedlings : 10000
2018-19	Mango : 7000
	Orange : 3000
	Other seedlings : 10000
2019-2020	Mango : 10000
	Orange : 3000
	Other seedlings : 10000
2020-2021	Mango : 10000
	Orange : 5000
	Other seedlings : 10000
2021-2022	Mango : 10000
	Orange : 5000
	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 manage by the Asst. Director of Horticulture, Kuchinda. Other man powers include one HEW 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</i>	<i>Cost Norm Adopted</i>
	Development of CC Road	Rmt.	750	2850.00	21.37	State PWD

	from main gate to watchman shed					
	Construction of Brick Masonry Boundary wall (Part)	Rmt.	900	5000.00	45.00	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
	Development of Irrigation source with bore well and Micro Irrigation	Ha.	2.5		5.00	KSK
	Construction of watchman shed	Sft.	600		5.00	State PWD

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	Watchman Shed				Yes
6	Irrigation source	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	5000	90000	127500	32500
	Orange	2000	36000	51000	15000
	Sub Total	7000	126000	178500	47500
2019-2020	Mango	7000	126000	178500	52500
	Orange	3000	54000	76500	22500
	Sub Total	10000	180000	255000	75000
2019-2020	Mango	10000	180000	255000	75000
	Orange	3000	54000	76500	22500
	Sub Total	13000	234000	309000	97500

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.

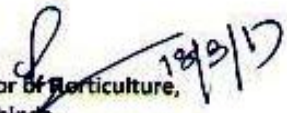
Outcomes : The QPM needs for various scheme like NHM, State Plan, MGNREGA of the sub- Division Implemented through Horticulture Deptt. and other Line Deptt. of the Sub- Division can be fulfilled. Besides the surplus productions of Litchi and other QPMs can be diverted to outside district. Besides the 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.

Check list

- a. Funds available under other schemes of the State / Govt. of India for the proposed projects have been accessed and utilized before it is proposed under RKVY.
- b. There will be no duplication or overlapping of assistance / area coverage through other State / Central Govt. Schemes.
- c. The funds under the project is not proposed as additional or top-up subsidy to other ongoing schemes/programmes of State / Central Govt.
- d. DPRs includes contingency.


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