



**GOVERNMENT OF ORISSA**

**DEPARTMENT OF AGRICULTURE**

PROJECT PROPOSAL FOR DEVELOPMENT OF  
PROGENY ORCHARD, ANGUL  
DIST: ANGUL.

**Deputy Director of Horticulture  
Angul**

## PROJECT SUMMARY

Name of the Project	Development of Progeny Orchard, Angul, Dist: Angul.
Name and address of the executants	: <b>Deputy Director of Horticulture, Angul</b>
Proposed Work	: Infrastructure development work like : Pump House, Boundary wall, Godown, Mother Plant Rejuvenation, Watertank, CC Road etc.
Proposed Site	: At-Progeny Orchard, Angul, Po-Angul, Block: Angul.
Source of fund	: RKVY
Year of Execution	: 2016-17
Total Project cost	: Rs. <b>186.96 Lakh</b>

## **1. Introduction**

In Pre-Independent India Horticulture was almost a pleasantry of elite-Society. After independence it has emerged as the Core-sector in Agriculture of -Late it has transformed as a credible sector for productivity, employment generation & export-promotion. Domestic-demand coupled with the Overseas-market has augmented the growing economic importance of horticultural crops especially fruits, vegetables & flowers. The domain of domestic-demand is influenced by the boom in income; Population-growth, Changing Consumption-Pattern & growing awareness for better-nutrition.

Currently Horticulture-sector has emerged as a Potential- player in the National-economy, contributing 30% to G.D.P in Agriculture as well as a means of diversification in overall development of Agriculture. The contribution of Agriculture to NSDP in Odisha has declined significantly from 67% in 1951 to around 28% in 2005, whereas the workforce engaged in agriculture has remained relatively unchanged (57%). Horticulture has brought improvement in the economic-standard of general-farmers. Availability of fruits as seasonal-produce has been transformed as year-round-produce, with visible impact of increased per-capita consumption of fruits & vegetables. Due to its typical characteristics, Horticulture-sector has been playing a significant-role in woman-empowerment & employment-opportunity through cultivation of different Horticultural crops.

The National goal for achieving 4% growth in Agriculture can be achieved through the major contribution in growth from horticulture. Quality planting material (QPM) is the key input for successful Crop-production, both in terms of quality & quantity. To translate that challenge into achievement, huge quantity of QPM are on high demands of requirement. To meet such high-demands; production of QPM in an assured & reliable mode need to be planned in the arena of Public-sector in particular. On development of the existing infrastructure of Progeny Orchard, Angul, Dist.-Angul the produce in shape of Crop-production & QPM production could be augmented profitably & objectively.

## **2. Aim and Objective**

The proposal for Development of Progeny Orchard, Angul, Dist; Angul is with following objectives.

- i. To emerge the Farm as a Model of Horticultural activities in the district.
- ii. To expose, guide and disseminate advanced technologies up to the door step of farmers.
- iii. To create new avenues for QPM production of different fruit plants as per requirement of the public.
- iv. To enhance the capacity building and skill development of the farmers and entrepreneurs.

- v. To make the farm profitable through farm-produce and production of QPM
- vi. To create a congenial-atmosphere for discharge of diligent-duty.

### **3. Feasibility of the Project & Basic Information**

The project is feasible as activities is taken up in the Govt. Horticulture Farm and is located in Angul District Headquarter.

The Farm is under the administrative-control of Deputy Director of Horticulture, Angul since 1948 stretching over an area of 11 Hectare. The Farm has ample scope for increasing the production capacity of QPM with additional planted area & enhancement of other activities.

#### **Existing Infrastructure**

- a) Total area 11 Hectare
- b) Plantation 9 Hectare
- c) Details of Mother plants **Age**
  - 1) Mango 1269 Nos. 10 to 50
  - 2) Litchi 67 Nos. 39
  - 3) Guava 105 Nos. 10 to 34

#### **Existing Infrastructure of the Farm**

- 1) Shednet House 7 Nos. 8624 Sqft.
- 2) Pack House 2 Nos. L-33' B-13' 8585 Sqft.
- 3) Vermi Compost 1 Nos. L-31B-20 620 Sqft.

#### **Fencing**

- 1) Measonary 1400 Mtrs.
- 2) Barbed 2000 Mtrs.

#### **Mechanisation and Equipments**

- 1) Power Tiller 1 No.
- 2) Power Show 1 No.
- 3) Pump 1 No. Def 5 HP
- 4) Brush Cutter 2 nos fine
- 5) Sprayer 3 Nos. 1 fine 2 Def
- 6) Electronic Motors 2 Nos. fine 3 HP and ½ HP

#### 4. Competency and Sustainability

The farm is under the control of Dy. Director of Horticulture, Rayagada and is maintained by efficient skilled manpower. The revenue generated by selling the quality planting materials (QPM) can be utilized for making the farm sustainable. The farm can be managed with existing manpower.

#### 5. Sector & Sub-Sectors:

Infrastructure and Assets stream of RKVY

#### 6. Anticipated Benefit

The QPM production will increase from 50,000 to 1,00,000 in fruit crops and 3 lakhs of hybrid vegetable seedlings will be produced annually which will generate revenue. It will also act as a training center to provide technical knowledge to the farmers and entrepreneurs to grow vegetables and fruit crops in scientific manner. Around 50000 Papaya & 25000 Drumstick seedling will be raised annually. Apart from this, 1 lakhs of Marigold cuttings will be raised. The revenue receipt would be increased to 30 Lakhs per Annum.

#### 7. A) Out Put of the Project

The following will be done for improvement of the farm.

SI No.	Items	Unit	Qty.
1	Construction of pump house (10ft X 9ft)	Sqft	180
2	Construction of Go down cum watchman shed(40ft X 32.5ft)	Sqft	1300
3	Rejuvenation of Mother plants	Ha	7
4	Boundary wall, RCC pillar and Brick Masonry	Rmt	2000
5	Construction of C.C. Road (Width 4Mt. x Height 0.3Mt.) (sand, CC 1:4:8, RCC)	Rmt	1332
6	Water Tank 1No.	LS	2 Nos.
7	Staff Quarter 1 No.	LS	1 No.

## B) Out Come of the Project

- The quality planting materials production will increase. The farmers of nearby areas can able to get good quality vegetable seeds as well as fruit planting materials.
- It will act as demonstration center for the farmers.

## 8. PROPOSED DEVELOPMENT ACTIVITIES:

SI No.	Items	Unit	Qnty.	Rate (Rs.)	Total Cost in Lakhs (Rs.)
1	Construction of pump house (10ft X 9ft)	Sqft	180	700	1.26
2	Construction of Go down cum watchman shed(40ft X 32.5ft)	Sqft	1300	1100	14.3
3	Rejuvenation of Mother plants	Ha	7	0.4 lakh	2.8
4	Boundary wall, RCC pillar and Brick Masonry	Rmt	2000	0.05 lakh	100
5	Construction of C.C. Road (Width 4Mt. x Height 0.3Mt.) (sand, CC 1:4:8, RCC)	Rmt	1332	0.05 lakh	66.6
6	Water Tank 1 No.	LS			1.0
7	Staff Quarter 1 No.	LS			1.0
<b>Total</b>					<b>186.96</b>

(Rupees One Crore ninety five Lakhs and Ninety six thousand) only

## 9. Project Co-ordinator details

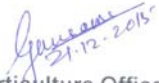
	Name	Designation	Mobile No.	Email
<b>State Level</b>	Dr. Bhagyarathi Pradhan	Dy. Director of Horticulture (Hq.)	9437421475	ahorkvy@orihot.in
<b>Field Level</b>	Sri Narendra Kumar Sahoo	Dy. Director of Horticulture	9438107196	ddhangu12@gmail.com

**10. 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.  
DPRs includes contingency.

  
21.12.15  
Hort. Overseer, HO

Progeny Orchard, Angul

  
21.12.2015  
Asst. Horticulture Officer  
Angul

  
21.12.15  
Dy. Director of Horticulture,  
Angul