

**PROJECT PROPOSAL FOR DEVELOPMENT OF
INFRASTRUCTURES AT HORTICULTUR FARM, DERAS**



Under RKVY for the Year 2016-17

Project Cost: Rs. 24.24 Lakhs

Submitted by:

Asst. Director of Horticulture, Deras

**Director of Horticulture
Odisha, Bhubaneswar**

PROJECT SUMMARY

Name of the Project : **Development of infrastructures for Horticulture Farm, Deras**

Name and address of executant : **Asst. Director of Horticulture, CoE, Deras, Khordha**

Proposed Work:

- 1)** Construction of boundary wall along the main road from CoE boundary to farm main gate with provision of RCC pillar, plinth band, RCC tie band and fly ash brick masonry.
- 2)** Construction of the 30mx40m GI shednet house for mango QPM production.
- 3)** Construction of 50mx10m poly green house for mango QPM production.

Source of fund : **RKVY 2016-17**

Project cost : **Rs. 24.24 Lakh**

Project duration : **1 year**

1. Back ground / Introduction

The Deras Agriculture farm was established in the year 1951-52. The Farm is situated near Deras M.I. Project in Village Haridamada, Barapita & Kalajhar of Mendhasal G.P. of Bhubaneswar Block in Khurda District and is at a distance of 30 Kms from State Capital.

Out of total area of 203 ha, 32.60 ha was handed over to the Director of Horticulture, Odisha, Bhubaneswar during the year 1984 for taking up various Horticultural activities. Since then various Horticultural programmes like cultivation of short terms fruits such as Banana, Pineapple and vegetables were carried out till the year 1994-95. During 2005-06 attempts have been made by Directorate of Horticulture, Odisha to taking up various Horticultural activities like barbed wire / green fencing, repair of existing quarters and planting of permanent fruit plants like Mango, Cashew & Sapota, starting of Nursery activities under Non-Plan Programme to meet the growing demand of quality planting materials of different fruit crops by developing different infrastructure facilities. The proposed project will not only increase the QPM production into many folds but also make the farm a Model farm for educating the farmers during their visit. Besides the farm will find a place in the eco-tourism map of the State as the farm is coming under Bhubaneswar tourist corridor.

Due to suitability of the climate and adoption of the advanced technologies, the mango graft production has been increased from 30,000 to 80,000 nos. during last two years and will reach upto 1,00,000 mango grafts in the coming year on wards. The development of the infrastructures like shade net house, poly house, compound wall will help to achieve the target.

During 2011-12, Rs. 42.60 lakh was utilized for the creation of water bodies, construction twin cottage and view point. During 2013-14, Rs. 22.860 lakh was utilized for balance work of water body, stone pitching, watch man shed & pump house, completion of work of cottage and fencing of cottage / pond. Due to the above works, the farm has been recognized & accredited by the National Horticulture Board, the quality of planting materials produced has been well accepted by the farmers of Odisha.

However, further to meet the increasing demand of the quality planting materials, protected structures like shade net house and poly green house is needed. As the Deras farm is in the remote place, there is frequent failure electricity, one 3 K.V. diesel / petrol operated generator set is needed for running the submersible pump for irrigation in the nursery and farm. Compound wall is needed for the protection of farms mother plants.

2. Aim and objective of the new proposal.

- To produce best quality planting material of Mango and other fruit crops.
- To meet the increased demand of mango grafts and other planting materials.
- Production of the quality planting materials throughout the year using the protected structures.
- To educate the farmers, trainees, entrepreneurs etc, capacity building on quality planting materials production, orchard management, nursery business development etc.
- To provide employment to the rural labourers and to discourage migration.
- To Protect the farm and mother plants by construction of compound wall.
- To increase the farm revenue receipts.

3. Feasibility / Basic information:

A. PRESENT LAND STATUS OF DERAS FARM

Name	: Deras Farm
Location	: Deras Mendhasal, Bhubaneswar
District	: Khorda
Year of Establishment	: 1951-52
Year of Revival	: 2005-06 onwards
Total Geographical Area	: 32.60 ha (block IV-4.25 ha, VI-9.40 ha, VIII-18.68)
Total Cultivable area	: 30.00 ha
Cultivated Area	: 13.5 ha
Source of Irrigation	: Pond & Bore well

B. DETAILS OF MOTHER PLANTS AVAILABLE

Sl.No.	Name of the Crop	Existing No. of mother plants	Area in Ha	Remarks
1	Mango	2295	7.75	Planted during 2005-06 & 2008-09
2	Cashew	103	0.5	Planted during 2005-06
3	Sapota	21	0.2	Planted during 2005-06 & 08-09
4	Guava	101	0.5	Planted during 2008-09
5	Coconut nucleus garden	474	2.0	Planted during 2016-17
5	Landscape Garden		0.75	Developed during 2009-10 to 2011-12
6	Water Body, Cottage & Watch Tower		3.6	Developed during 2011-12 to 2012-13

INFORMATION ON ASSETS OF DERAS HORTICULTURE FARM				
Location	Name of the Item	Size	Nos.	Remarks
1	2	3	4	5
Block -IV	Building with RCC Roof	27'X21'	1	Good condition
	Poly House	66'X17'	1	Polythene roof & side wall damaged, not repairable
	Poly House	40'X17'	1	Side wall damaged, not repairable
	Bore well with submersible pump with pump house		1	Good condition
Block -VI	Building with RCC Roof	24'X20'	1	Good condition
	Godown with Asbestos roof	30'X36'	1	Needs repairing
	Bore well with submersible pump		1	Good condition
Cottage	Building with RCC Roof (2 Suits)	30'X31'	1	Good condition
	Watchman Tower		1	Good condition
	Bore well with submersible pump		1	Good condition

4. Implementing agency: Asst. Director of Horticulture, CoE, Deras

5. Sector / sub-sector : Development of infrastructures and assets.

6. Anticipated benefits:

- a. Will meet the increased demand of mango grafts by farmers due its better quality on growth and vigor.
- b. Production of the quality mango grafts throughout the year.
- c. Will educate the farmers, trainees, entrepreneur etc. capacity building on quality planting materials production, orchard management, nursery business development etc.
- d. Will protect of the farm and farm mother plant by construction compound wall.

7. Output and outcome

- a. Production of the quality planting materials (QPM) not only in numbers but also in quality will be increased.
- b. Under poly house and shade net house, production of the quality mango grafts and other planting materials will be throughout the year.
- c. Educate the farmers, trainees, entrepreneurs etc. and capacity building on quality planting materials production, orchard management, nursery business development etc.
- d. Boundary wall will protect of the farm, mother plants & nursery from trespassing.
- e. Farm revenue receipts will be increased.

8. Proposed work / activities with details narration.

Construction of Civil works

Sl. No.	Proposed Item of work	Unit	Size	Rate per unit (Rs.)	Total amount required (Rs.)
1	Construction of boundary wall along the main road from CoE boundary to farm main gate with provision of RCC pillar, plinth band, RCC tie band and fly ash brick masonry.	RMT	200	5500/-	11,00,000/-
2	Erection of 25mx20m GI shade net house for mango QPM production.	Sqm	500	710/-	3,55,000/-
3	Erection of 50mx10m poly green house for mango QPM production.	Sqm	500	1650/-	8,25,000/-
4	Setting up of 3 K.V. diesel / petrol operated generator	No.	3 K.V	1,20,000/-	1,20,000/-
	Sub- Total				24,00,000/-
	Contingency				24,000/-
	G. Total				24,24,000/-

(Rupees Twenty four lakh twenty four thousand) only.

AAE.

AHO

Asst. Director of Horticulture,
Deras

9. Definite time line: 1 year duration

Components	2016-17
Construction of boundary wall	11,00,000/-
Erection of 25mx20m GI shade net house	3,55,000/-
Erection of 50mx10m poly green house	8,25,000/-
Setting up of 3 K.V. diesel / petrol operated generator	1,20,000/-
Total	24,00,000/-
Contingencies	24,000/-
G. Total	24,24,000/-

10. District wise target : Departmental Farm

11. Nos. of beneficiaries: Not Required

12. Project co-coordinator details:

	Name	Designation	Mobile No.	Email
State Level	Sri K.B. Mishra	Asst. Horticulture Officer, (Hq.)	9861191172	ahorkvy@orihot.in
Dist. Level	Dr. Jayanta Ku. Nayak	Asst. Director of Horticulture, Deras	9438298971	coederas.hort@gmail.com

13. Check list

- 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.
- There will be no duplication or overlapping of assistance / area coverage through other State / Central Govt. Schemes.
- 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.

AAE.

AHO

**Asst. Director of Horticulture,
Deras**