

National Horticulture Board

Check list of required documents for seeking In Principle Approval (IPA)

Name of Scheme: “Development of Commercial Horticulture through production and post Harvest Management”

Sr. No.	PARTICULARS	Yes/No
1.	IPA Application in prescribed format	
2.	Prescribed Cost of Application Form & Scheme Brochure	
3.	Certified copy of Record of Rights over the piece of project land. In case of lease of land for the project, a certified copy of lease deed which should be registered at the time of submission of IPA application	
4.	Detailed Project Report (DPR) duly signed by promoter on each page of DPR	
5.	Certified copy of Detailed Term Loan Sanction letter of lending Bank/FIs	
6.	Certified copy of Caste Certificate issued by Competent Authority in case of SC/ST applicants	
7.	Certified copy of Aadhaar Card of applicant (s)	
8.	In case of Company/partnership firms (i) Certified copy of Company/Partnership registration certificate issued by Competent Authority, if applicable (ii) Certified copy of MoA/Bye Laws (iii) Certified copy of Board of Directors Resolution duly passed and authorizing signatory of application to apply for IPA (iv) Certified copy of latest Audit Report, if applicable	
9.	Basic data sheet for Banana Ripening Unit/Reefer Van only	

National Horticulture Board

IN PRINCIPLE APPROVAL (IPA) APPLICATION FORM

Name of Scheme: “Development of Commercial Horticulture through production and post Harvest Management”

(To be signed on each page by the applicant. Part-II of this form need to be filled only in case of Banana ripening unit)

- 1) Date of application _____
2) Control No. : (to be given by NHB) _____

Affixed duly
signed
PHOTO here

To,

**The Centre In-Charge
National Horticulture Board**

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(Only projects up to Rs. 50.00 Lakh may be sent to concerned State Office of NHB)

To

**The Managing Director
National Horticulture Board
Plot No. 85, Sector-18, Institutional
Area, Gurgaon-122015
(Haryana)**

(Projects above Rs. 50.00 Lakh may be sent to Head Office of NHB at Gurgaon and a copy of the same to concern State Office too)

A. GROWER/ENTREPRENEUR

1.	Name				
	Permanent Address				
	Postal Address				
	Mobile				
	Fax				
	Email				
2.	Category Please (v)	SC	ST	OBC	EX-SERVICE MAN
3.	Constitution	Individuals /Partnership Firm/ Trust/Cooperative Society/ a Society registered under Registration of Society Act/ a company/ self-help group)/ Farmer Producers Company			
4.	Gender (Male/Female)				Age:
5.	Aadhaar Number				
6.	Occupation				

Signature of applicant

7.	Promoters/beneficiary profile	
	i. Principle Promoter/Beneficiary	
	ii. Others	
	iii. In case of companies- <ul style="list-style-type: none"> Registration number & date of registration Registering authority 	

B. PROPOSED ACTIVITY

B-I. (Cultivation/PHM/Primary Processing/ Nursery/ Mushroom/Tissue Culture/Others)

1.	Name of the Project					
2	Location					
	Survey/Khasra No.					
	Village					
	Taluka					
	District					
	State					
3.	Activity proposed under the project in details					
	(a) Area under cultivation/project					
	Name of the crop	Variety (S)	Area (Acres)	No. of plants	Sources of planting material	Density of plantation
	(b)PHM Activity Please (√)		Grading & packing	Pre-cooling	Refer Van	
	(c) Primary processing - Activity in brief with details of products					
	d)Misc. activities (Not covered in a to c) - Activity in brief					

B-II. Whether proposed activity in application is

Sr. No.	Particular	Yes/No
(a)	Completely a new activity (if No, the details of pre-existing activity or any component thereof included in the application should be indicated clearly)	
(b)	Whether any subsidy has been availed for the proposed proposal/ activity or component thereof from Central Govt. or any of its Agencies. (if YES, please indicate clearly in detail)	

Signature of applicant

C. PROPOSED PROJECT COST (COMPONENT-WISE)

Sr. No.	Component/Items	Proposed Cost (Amount in Rs.)
(a)	Cultivation Expenses	
1.	Cost of Cultivation	
	(i) Cost of Planting material	
	(ii) Input Cost	
	(iii) Cost of labour	
2.	Irrigation	
	(i) Bore-well/Tube-well (new/old)	
	(ii) Cost of pipeline (length, diameter & type of material used)	
	(iii) Water harvesting pond (existing/new & size)	
	(iv) Other expenditure, if any (pl. specify)	
3.	Micro Irrigation, use of plastic mulching etc.	
	(i) Cost of drip irrigation	
	(ii) Cost of sprinkler	
	(iii) Cost of plastic mulching	
	(iv) Other expenditure, if any (pl. specify)	
4.	Infrastructure	
	(i) Store	
	(ii) Labour quarter	
	(iii) Other expenditure, if any (pl. specify)	
5.	Farm mechanization	
	I) Cost of tractor and accessories	
	II) Other tolls and equipments (item wise)	
6.	Land development (including digging of pit & fencing)	
7.	Cost of Land, if purchased	
8.	Creation of controlled atmosphere	Area (sq. mtrs) Cost (Rs. in lakh) Rate per Sqmeter
	a) Green house/poly house (size)	
	b) Shade net (size)	
	c) Other Components	
	Total	

(B) POST HARVEST INFRASTRUCTURE

Sr. No.	Component/Items	Proposed Cost (Amount in Rs.)
1.	Cost of grading/packing house (Size)	
2.	Cost of grading/packing line	
3.	Cost of pre-cooling unit (capacity)	
4.	Cost of refrigerated van (capacity)	
5.	Zero Energy Cool Chamber	
6.	Other components, if any (pl. specify)	
	Total	

(C) PRIMARY PROCESSING

Sr. No.	Particulars	Details to be given
(i)	Activity	
(ii)	Capacity in MT/day	
(iii)	Capacity in MT/annum	
(iv)	Name the product of primary processing	

Signature of applicant

Sr. No.	Component/Items	Proposed Cost (Amount in Rs.)
1.	Cost of Civil Constructions	
2.	Cost of Plant & Machinery	
3.	Other components, if any (pl. specify)	
	Total	

D. PROPOSED MEANS OF FINANCE

Sr. No.	Particulars	Proposed Amount (Rs. in lakh)
(i)	Promoter's share	
(ii)	Bank/FI term loan	
(iii)	Proposed subsidy from other sources, if any a) From State Govt. b) From Central Govt. other than NHB	
	Total	

(Note: Unsecured loans from friends/relatives will not be treated as equity)

Sr. No.	Particulars	Proposed Amount (Rs. in lakh)
1.	Expected back-ended subsidy from NHB	

(NHB subsidy will be considered as per Board's guidelines and applicable cost norms, if found in order, but not guaranteed)

E. EXISTING STATUS OF PROJECT

(Please give details about the activities of the proposed project already completed at the time of submission of application of In Principle Approval (IPA))

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F. Whether any assistance in the form of soft loan and subsidy has been availed by the beneficiary earlier from the National Horticulture Board? If yes, give details thereof.

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G. Whether any subsidy has been availed from the Board, other Central Govt. organization or State Govt. for the same activity or component thereof on same piece of land, Khasra no. etc.?

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DETAILS OF SUBSIDY, IF AVAILED FROM:

Sr. No.	Name of Organization	Subsidy amount (Rs.)
(a)	MoFPI	
(b)	APEDA	
(c)	Other sub schemes of MIDH including NHM	
(d)	RKVY	
(e)	HMNEH/Technology Mission	
(f)	Others	

Signature of applicant

H. NAME OF THE BANK/FI FROM WHERE THE TERM LOAN HAS BEEN SANCTIONED (Please enclose a certified copy of detailed Term Loan Sanction Letter of Bank/FI).

Sr. No.	Particulars	Details to be given
a)	Name of Bank	
b)	Branch	
(c)	Bank Code	
(d)	Date & Amount of sanction of Term Loan	
(e)	Details of release of term loan, if any:	
(f)	Whether Term Loan is linked with Aadhaar* Number – Yes/ No	

* Aadhaar linkage is mandatory

I. DETAILS OF LAND

Sr. No.	Particulars	Details to be given
I)	Whether own land (ancestral/purchased):	
II)	Whether leased If so, how many years lease	
iii)	Whether lease/tenancy/contract is registered with the Competent Registration Authority	

(Copy of the proof of land title be enclosed)

J. IMPLEMENTATION SCHEDULE OF PROPOSED ACTIVITY

Sr. No.	Particulars	Details to be given
i)	Proposed month for start of proposed project	
ii)	Proposed month for plantation	
iii)	Expected date/month of first commercial crop	
iv)	Proposed month for start of unit in case of processing	
v)	Expected month of completion of project	

K. MARKETING OF PRODUCE

Details of marketing tie-up (Backward/forward linkage)

L. COST OF APPLICATION FORM/ SCHEME BROCHURE AND MODE OF PAYMENT WILL BE AS UNDER:

Sr. No.	Cost of project	Amount of Fee	Mode of Payment
1.	Projects costing up to Rs. 10.00 lakh	Rs. 1000/-	Demand Draft drawn in favour of National Horticulture Board payable at Gurgaon (Haryana) for projects costing Rs. 50.00 lakh & above and at concerned state office where project cost is below Rs. 50.00 lakh.
2.	Projects costing above Rs. 10.00 lakh and up to Rs. 20.00 lakh	Rs. 2000/-	
3.	Projects costing above Rs. 20.00 lakh and up to Rs. 50.00 lakh	Rs. 5000/-	
4.	Projects costing above 50.00 lakh	Rs. 10000/-	

The above prescribed cost of application form and brochure will be non- refundable.

M. DETAILS OF INSTRUMENTS/DEMAND DRAFT

Name of the issuing Bank Branch	Demand Draft No.	Date	Amount(Rs.)

Signature of applicant

N. NAME & ADDRESS OF CONSULTANT WHO PREPARED THE PROJECT REPORT (DPR).

SELF DECLARATION

I hereby declare and certify that information/ contents as above furnished by me/us in the application are true to the best of my/our knowledge & belief and nothing material has been concealed. In case, any information furnished in the application is found false, my/our application may be rejected outrightly at any stage by the Board.

Verified that the information given in the application form is true to the best of my knowledge and belief and nothing material has been concealed.

(Signature of the Applicant)
Name & Address:

Place:

Mobile No:
Telephone/Fax No.
E-mail :

Date:

Enclosures:

- a. Print out of online application duly signed by applicant.
- b. Receipt of online payment or Demand Draft in original, as the case may be towards cost of Application Form & Scheme Brochure
- c. Certified copy of Record of Rights over the piece of project land. In case of lease of land for the project, a certified copy of lease deed which should be registered at the time of submission of IPA application
- d. Detailed Project Report (DPR) duly signed by promoter on each page of DPR
- e. Certified copy of Detailed Term Loan Sanction letter of lending Bank/FIs
- f. Certified copy of Caste Certificate issued by Competent Authority in case of SC/ST applicants
- g. Certified copy of Aadhaar Card of applicant (s)
- h. Basic data sheet for Banana Ripening Unit/Reefer Van/poly house/shade net house in prescribed format.

National Horticulture Board

PART-II

BASIC DESIGN DATA SHEET FOR BANANA RIPENING UNIT

Sl. No.	Specifications	Description
A.	Capacity Details	
1.	Holding Capacity	Provide holding capacity in MT
2.	Room Volume	Provide the volume of room in M ³
3.	Room Size	Provide the size of room (LxBxH)m in meters
4.	Number of ripening rooms	List the number of ripening rooms
5.	Peak ambient temperature	Provide the ambient temperature in °C
B.	Pallets	
6.	Size of pallets	Provide the pallet size (LxBxH) in mm
7.	Size of crate/box	List the size of crate. Box in mm
8.	Crates/box per pallet	List the number of crates/ boxes per pallet
9.	Pallets in each chamber	List the pallets in each chamber
10.	No. of tiers	Specify whether single or two tier system
11.	Pallet Lifting System	Specify whether hand pallet or fork lift
C.	Ripening Parameters	
12.	Ripening Room Temperature	Provide the room set temperature for ripening in °C
13.	Relative Humidity	Provide the relative humidity in percentage
14.	CO ₂ Concentration	Provide the PPM concentration of CO ₂ in ripening chamber
15.	Ethylene concentration	Provide PPM concentration of ethylene in ripening chamber
16.	Product incoming Temperature	Provide the incoming temperature of the product in °C
17.	Pull down period	Provide the pull down period in hours
18.	Air Flow	Provide the air flow in CMH
D.	Insulation Details	
19.	Wall, Ceiling and partition	Describe the material, thickness and U- value
20.	Floor Types	Describe the material, thickness and U- value
21.	Exterior wall construction	Describe the material and type of wall construction
E.	Doors	
22.	Door Size (Lx W)mm	Provide the size of door in mm.
23.	Types of door used	Specify whether Hinged/ sliding/ sectional overhead doors
24.	Number of Doors	List the number of doors used
25.	Emergency measures	List of safety provision provided in case of emergency

26.	Gasket	Provide the type of gasket seal used
F.	Refrigeration load	
27.	Estimated refrigeration load per chamber	Provide the estimated refrigeration load per chamber
28.	Total refrigeration load	Provide the total load in KW
G.	Refrigeration System	
29.	Refrigerant used	Provide the technical name of refrigerant
30.	Refrigeration system	Describe the type of refrigeration system use
31.	Refrigeration capacity	Refrigeration capacity in kW and total numbers of condenser
32.	COP (Coefficient of Performance) of refrigeration system	Provide the COP of the refrigeration system used
33.	Evaporators/condenser details	Provide details -Types, capacity, delta T of coil to room temp. etc.
34.	Air Flow	Provide the air flow of evaporator in CFM.
35.	Static pressure and fan rating	Provide the static pressure of evaporation (pa) and fan rating (kw).
36.	Manufacturer name	Provide the name of manufacturer
H	Ripening system	
37.	Ethylene applicator	Maker name
38.	Number of cylinders and capacity per cylinder	Provide the number of cylinders and its capacity per cylinder.
39.	Portable/Centralized	Provide the type of ethylene generator.
40.	Type of controller and Ethylene ppm range	Specify the type of controller and ppm range of ethylene.
41.	CO ₂ exhaust system	Provide the CO ₂ exhaust system details.
42.	Humidifier system details	Details of the humidifier used.
I	Others	
43.	Lighting load	Provide the lighting load in KW.
44.	Refrigeration load	Provide the total refrigeration load in KW.
45.	Total facility power consumption	Provide the total facility power consumption in KW.

All mandatory rules & regulations (BIS, ISO, IS etc.) relevant to the item must be complied with.

Name in Capital Letters
Signature & Seal of Consultant
seal who has designed ripening chamber
and is going to provide supervision
during Construction and commissioning

Signature and
Name of Applicant with

Basic Design Data Sheet for Refer Van

S. No.	Component: Refrigerated Transport	Description
A	Truck Details	
1	Chassis number	Provide the chassis details
2	Make and Engine Model	Provide the make and engine model number
3	Engine power	Provide the power of prime mover engine in KW
4	Rated Payload	List the carrying capacity of vehicle in tons
5	Outer dimensions	Provide the (L x B x H)m of the outer dimension of vehicle
6	Cabin details	Describe the details of the cabin – sitting, sleeping and driver comfort
7	Total number of tires	List the total number of tires of the refrigerated transport used
B	Insulated Container	
8	Manufacturer name	Provide the name of manufacturer
9	Insulating material and cladding	Type of cladding, insulating material along with its U-value and thickness
10	Internal/External Dimension of insulated box	Provide the internal/external dimensions of insulated box
11	Flooring details	Described the details of the floor section (T-section, U-section etc.)
12	Weight of insulating box	Proved the weight of the insulating box in kgs.
C	Refrigeration Unit	
13	Maker and Model number	Provide the make and model number
14	Refrigerant used	Provide the technical name of refrigerant
15	Refrigeration capacity	Provide the refrigeration capacity in KW
16	Defrosting system	Provide details of defrosting system used
17	Air flow and pattern	Air flow in cubic meter per hour and flow pattern (top-down, bottom-up)
18	Total power consumption	Provide the total power consumption in KW
19	Diesel/electric auto-switching	Specify the Diesel/ electric auto-switching mechanism
D	Data Logging/ GPS	
20	Data loggers	Type and number of date loggers/ recording capability
21	GPS	Maker and model of GPS unit

Codes and References		
1	ISO/ TC 104	Freight containers
2	ISO 668:2013	Classification, dimensions and ratings
3	ISO/NP 1161:1990	Corner fittings
4	ISO 1496 /2 : 1996	Specification and testing
5	ISO Code 22R1, 45R1	Size of container
6	ISO 6346: 1995	Coding, Identification and Marking
7	ISO -14001:2004	Environmental Management
8	ISO 1496/2	Performance test of thermal appliances

All mandatory rules & regulations (BIS, ISO, IS etc.) relevant to the item must be complied with.

Name in Capital Letters
Signature & Seal of Consultant
seal who has designed ripening chamber
and is going to provide supervision
during Construction and commissioning

Signature and
Name of Applicant with

Annexure - 1

List of National Horticulture Board Offices

National Horticulture Board Plot No. 60, 3rd Floor, Krishna Apartment, Azad Society, Ambawadi Ahmedabad-380 015 Tele/Fax :079-26766416, 26766413 E-mail : nhbahd@yahoo.co.in	National Horticulture Board HPMC, 2nd Floor, Nigam Vihar, Shimla-171 002 Tele/Fax :0177-2622908/2623801 E-mail : nhbhp2004@yahoo.com
National Horticulture Board No.14/43, 2 nd Floor, 1 & 2 Stage Industrial Suburb, Tumkur Road, Yeshwantpur Bangalore-560 022 Tele/Fax 080-23371935, 23374149 E-mail : nhbblr@yahoo.com	National Horticulture Board Horticulture Complex Rajabagh Srinagar-190008 Tele Fax 0191-2474349 (PP) E-mail :nhbjammu@rediffmail.com
National Horticulture Board R-24, 2 nd Floor, Near Hindustan Times MP Nagar, Zone-1, Bhopal – 462011 (MP) Tele/Fax :0755 – 2550768,2761741 Email :bplnhb@rediffmail.com	National Horticulture Board No. UR-10, Uppalam Road, Statue, Thiruvanantha Puram-695001 (Kerala) Tele/Fax : 0471-2470505, 2470506 E-mail : nhbtvm@gmail.com
National Horticulture Board N-1/7, I.R.C. Village, Nayapalli, Opp. CRPF Gate Bhubaneshwar- 751015(Odisha) Tele/Fax :0674-2558134,2559620 Email :nhbbbbsr@gaill.com	National Horticulture Board Municipal Stadium Complex Vijayawada-520010 Tele/Fax 0866-2473351
National Horticulture Board Room No. 317, 4 th Floor Central Facility Building, APMC Fruit Market Complex, Sector-19, Turbhe Vashi (Navi Mumbai)- 400703 Tele/Fax 022-27830107 E-mail : nbhpune@gmail.com	National Horticulture Board Hall No 307, A-2, 3rd Floor South Block, Bahu Plaza Rail Head Complex, Jammu-180 004 Tele/Fax :0191-2474349, 2474112 E-mail : nhbjammu@rediffmail.com
National Horticulture Board Mayukh Bhawan, 2 nd Floor, Salt Lake, Sector-II Kolkata -700091 Tele/Fax: 033-23377182,23211259 E-mail : nhb_kolkata@yahoo.com	National Horticulture Board S.C.Panwar Market Yard, Commercial Complex No. 1, Peth Road Panchwati, Nashik-422003 Tele/Fax :0253-2534558,2533715 E-mail :nhbnashik@gmail.com
National Horticulture Board S.C.O. 85, 2nd Floor, Sector - 40-C Chandigarh-160 047 Tele/Fax :0172-2625249, 2625269 E-mail : nhb_chd@yahoo.co.in	National Horticulture Board MCAER Building 132/B, Bhambhurda Bhosale Nagar, Pune-411 007 Tele/Fax : 020-25530582-83 E-mail : nbhpune@gmail.com

National Horticulture Board 19-22, (Garage) Krishi Bhawan New Delhi-11001 Tele/Fax 011-23097015,23073019 E-mail :nhbdelhi@gmail.com	National Horticulture Board C/o. Superintendent Garden, Shahjan Park, Tajganj, Agra-282001 Tele/Fax 0562-2331470
National Horticulture Board Chang Choop Building Near Nayuma Television, Tibet Road, Gangtok-737 101 Tele/Fax :03592-208453,220975 E-mail : nhbgangtok@yahoo.com	National Horticulture Board C/O Deputy Director (Horticulture), Govt. of UP, Company Bagh, Kachahari, Varanasi-221001 E-mail : nhbvaranasi@gmail.com
National Horticulture Board Chhibber House, 4th Floor, Dispur P.O., Guwahati-781 005 Tele/Fax :0361-2343719, 2340695 E-mail : nhbgghy@gmail.com	National Horticulture Board Residency Kothi (Complex) Indore-452001 Tele/Fax 0731-2701522
National Horticulture Board No.2, 5-9-195, William Niwas, Chirag Ali Lane, ABIDS, Hyderabad-500 001 Tele/Fax :040-23200806, 23201140 E-mail : nhb.govhyd@gmail.com	National Horticulture Board Laxmi Niwas, Krishi Bhawan Kankey Road, Ranchi-834 008 Tele/Fax :0651-2230132,2233832 E-mail :nhbranchi@gmail.com
National Horticulture Board Second Floor, Modak Priyay, Plot No. 16 & 17, Near New, Atish Market, Shipra Path, Mansarovar, Jaipur 302 020 Tele/Fax :0141-2399405, 2390818 E-mail : nhbjpr@yahoo.com	National Horticulture Board 310/311, 3 rd Floor, I.D. Shopping Centre Near Shivaji Stature, Sahara Darwaja Surat-395003 Tele/Fax 0261-2311343
National Horticulture Board C/o, Director of Horticulture Horticulture Complex, Cantt. Road Jalandhar (Punjab) Tele/Fax 0181-223048	National Horticulture Board Plot No. 142, 1 st Floor Seikkilar Street Extension Bibikulam Madurai -625002 Tele/Fax 0452-2531195
National Horticulture Board C/o, Director of Horticulture 2, Sapru Marg Udyan Bhawan Lucknow-226001 Tele/Fax 0522-2623374/2202420,4072096 E-mail: nhblko@rediffmail.com	National Horticulture Board H.No. 470 Behind Ashoka Cinema Diwan Colony Karnal-132001
National Horticulture Board Module No.37, 2nd Floor, SIDCO Readymade Garment Complex, Industrial Estate Guindy, Chennai-600 032 Tele/Fax :044-22501151/22500965 E-mail : nhbtn@yahoo.com	National Horticulture Board C/o, Directorate of Horticulture Room No. 13, 2 nd Floor Kheti Bhawan, Ranjeet Avenue Amritsar- 143001 Tele/Fax 0183-2500236

National Horticulture Board 401, 4rth Floor, Lotus Plaza, Near Lakshmi Bhawan, Old Post Office Road. Gokulpeth, Nagpur-440 010 Tele/Fax :0712-2525030,2523110 E-mail : nhbnagpur@rediffmail.com	National Horticulture Board Vikas Bhawan, Fazilka Road Abohar-152116 Tele/Fax 01634-230822
National Horticulture Board Room No 501, 502, 5th Floor, Boring Road, Verma Centre Patna-800 001 Tele/Fax :0612-2541218,2541128 E-mail : nhbpatna@gmail.com	National Horticulture Board H.No. 42, First Floor,Jal Vihar Colony, Near Rotary Club of India, Telibandha Raipur-492001 (Chhattisgarh) Tele/Fax :0771-2423992 E-mail : nhbraipur@yahoo.co.in
National Horticulture Board Naveen Sabzi Mandi Ashthal, Krishi Utpadan Mandi Samiti, Niranjanpur, Dehradun- 248171 Tele/Fax 0135-2761922,2762767,2725517 E-mail : nhb_dehradun@yahoo.com	National Horticulture Board C/o Regional Institute of Rural Development, Delhi-Saharanpur Road, Baraut (Baghpat) Tele/Fax :01234-251723 E-mail : nhbbaraut_2007@yahoo.com