

# **NOTE ON PACK HOUSE**

## **Integrated Pack House Facility for Fresh fruits and vegetables export from India**

With a view to carving out a niche for Indian horticulture produce and for ensuring an appropriate standard in exports, APEDA through a development of integrated facility such as of pack house to intending exporters in super cession of the Horticulture Produce. The objective of this pack house is to encourage exporters of horticultural produce to meet the international standards in terms of quality of produce with quarantine safety. The pack house development as per the requirement for material handling, holding, pre-inspection, shorting, grading, washing, standard treatment, packaging, stacking, pre-cooling, cold storage, quarantine check etc., encouragement to backward linkages, maintain the traceability, export of good quality produce, promotion and publicity at the international level, encouraging adoption of internationally acceptable standards and practices, up-gradation of standards for product quality, hygiene, food safety, and creation of a healthy, competitive environment among exporters.

### **APEDA recognition:**

Pack house is applicable to handling and processing for all horticulture produce viz fresh fruits, vegetables etc. for export. The APEDA Recognition for pack house will be granted for multiple produce for which appropriate facilities and procedural compliances commensurate with matching infrastructure facilities are found to be existing at the Pack house on the basis of inspection by Inspection committee. The various stakeholders are involved and getting the responsibilities for compliance of procedural formalities for quality export as per the importing countries.

### **General Requirements for EU countries:**

The vegetables & fruits from India can be exported to the European Union countries based on the phytosanitary inspection at the pack houses approved jointly by NPPO/APEDA where adequate facilities for inspection, examination etc. are available and the produce is packed under the supervision of plant quarantine official.

Phytosanitary status of the inspected consignments will be secured by proper storage in demarcated quarantine area at the pack house, transported by clean & disinfested vehicles. Also, loading of the consignment at exit point will be ensured in clean and disinfested cargo containers preventing cross contamination.

### **Traceability:**

The approved pack houses will be responsible to maintain the backward traceability information for the consignment. Further, the exporters will file the application for PSC through the web based Plant Quarantine Information System (PQIS) where history of the case is retrievable. A unique registration number generated for each consignment and printed on the PSC will be source of document traceability for the consignment.

### **Responsibilities of pack house for vegetable & fruit export to EU etc:**

1. Design of pack house should be appropriate to handle inflow to outflow of the commodities in a unidirectional manner with no chances of cross infestation/contamination. For example, absolute isolation is required between

- stacking/holding area; grading, sorting and packing area; PQ inspection area and post inspection storage area. Door should be of sliding type with strip curtain.
2. The procurement of fruits & vegetables should only from the registered farmers and the list of such farmers will be maintained for records.
  3. Log book should be maintained for general hygiene and cleanliness in Pack House.
  4. Pack House should be free from cracks and crevices in floors and walls as also cobwebs etc on walls to avoid shelter to harmful pests.
  5. To apply prophylactic treatment in and around the pack house, periodically.
  6. Safeguard to prevent infestation/ re-infestation during all steps of the sorting/grading/packing processes.
  7. To provide exclusive area for plant quarantine inspection.
  8. To provide proper inspection table with sufficient light and magnifier.
  9. To possess required equipment's/items as per the listed by NPPO.
  10. To provide separate storage area for finally packed and inspected consignments.
  11. To install insect proof net/wire mesh on the windows and other opening in the pack house.
  12. To install traps for fruit fly, white fly and thrips. All the traps must be numbered and their records to be maintained with periodic observations for insects catch to be recorded in writing.
  13. As far as possible, packing boxes shall have insect proof mesh on the aeration holes to prevent cross infestation.
  14. The finally packed boxes after inspection shall be pasted with a sticker/stamp "Plant Quarantine Inspected" after the inspection. The pack house will provide such sticker seal and vehicle seal duly numbered to be monitored by PSC issuing authority.
  15. To ensure that all the requisite registers viz; Commodity inflow register containing details of source material, preliminary inspection register, insect monitoring/ trap register, general hygiene register, commodity rejection register, consignment sealing register, vehicle cleanliness/seal register, commodity outflow register are maintained.
  16. All the signage/ display material particularly the commodities being handled in the pack house and related pests/ damage signs required for implementation of SOP.
  17. To declare in writing the capacity/ quantum of commodity that can be handled through the pack house per working day such as grading, sorting, packing and PQ inspection.
  18. To ensure cleanliness/ general hygiene of the vehicle used for transporting the certified material and maintains records.
  19. To ensure the disposal of infested/infected/left over material after inspection of each consignment/ lot .and a record to be maintained in this regard.
  20. Must have a master register wherein list of all documentation/registers is mentioned.
  21. All the personals are well informed/ trained about the activities of the pack house and their responsibilities along with maintenance of .relevant documentation.

22. The semi-skilled labourers engaged by the pack house in sorting/ grading and packing of the fruits and vegetables will be trained on symptoms/ damage signs of major pests of the commodities processed by the pack house.

**Responsibilities of State Department of Agriculture/ Horticulture:**

1. To register farmers/farms intended to export fresh vegetables and fruits to EU on the request of the farmer or exporter.
2. The registration of the farm will be for one crop season/one year.
3. To monitor status of pests and diseases in the registered farms on fortnightly basis and ensure that their record is maintained at the registered farm along with the record of the control measures/ plant protection measures
4. To advise appropriate plant protection measures for control of pests and diseases specially the pests of concerns to EU as referred in EC Directives.
5. To ensure maintenance and monitor the records at farm level on the management practices of the crop from sowing to harvesting.
6. To organize training of the approved farmers on production of pest free crops especially management of pests concerns to EU.
7. To ensure availability of POP/IPM/GAP inputs (eg. light/sticky/pheromone traps, tricho cards, bio-pesticides, etc.) to the registered farmers.

**Responsibilities of Exporters:**

1. To request State Department of Agriculture/Horticulture for registration of a farmer/farm.
2. To provide information to the State Department of Agriculture/Horticulture about the farmers/farms to be registered, crops grown, area/location of the farm and tentative production during the crop season.
3. To procure the fresh fruits and vegetables from the registered farmers only.
4. To provide technical support to the registered farmers so as to ensure procurement of pest free produce for export.
5. To provide information related to each consignment with registered farm no. to the pack house.
6. To ensure safe transport of the produce from farm to the pack house without mixing with produce of unregistered farms.

**Responsibilities of Farmers:**

1. To request State Department of Agriculture/Horticulture for registration of the farm intending export to EU.
2. To maintain status of pests and diseases in the registered farms on fortnightly basis along with the record of the control measures/ plant protection measures undertaken during the crops season.
3. To maintain the records of each crop in the registered farm on the management practices from sowing to harvesting.
4. To follow the advice from State Department of Agriculture/Horticulture or technical support from exporter on pest management practices, waiting period for pesticides etc.

**Application for Registration/Renewal of farm for the export of fresh vegetables and fruits to EU  
(To be submitted by the farmer/exporter to State Deptt. of Agriculture/Horticulture)**

To,

The Registration Authority &amp; Agriculture/Horticulture Officer

Taluka----- District -----State -----

**Sub: Registration/Renewal of farm for the export of fresh vegetables and fruits to EU-reg**

Dear Sir,

You are requested to kindly register / renew my farm for export of fresh vegetables and fruits to European Union as per details given below:

1.	Full name of the Farmer/ grower						
	Father's /Husband's name						
	Name of partners						
a	Correspondence address						
	Village						
	Taluka						
	District						
	State						
	Telephone No with STD code no.						
	Mobile No.						
E-mail address							
b	Farm/Plot location address (Survey No/ Plot No.) along with map/layout of the plot with indication of all sides of crop grown. (please attach)						
2	Farm registration No. ( In case of renewal)						
3	Total Farm area (in Ha)						
4	Whether Farm is the Global GAP certified if yes, attach a copy						
	Certificate No.						
	Date of issue						
	Date of validity						
Name of certification agency							
<ul style="list-style-type: none"> <li>➤ Number of plots in the farm with area of each plot</li> <li>➤ No. of net houses/poly houses/green houses, if under protected cultivation.</li> </ul>							
Sl. No.	Name of the crop	Area (in Ha)	Survey/plot No	Variety	Date of sowing/ plantation	Date (s) of Harvesting (expected)	Estimated production ( MT)
6.	Name & address of Pack –houses associated with						
7.	Registration/Renewal fee (if applicable)						
8.	Details about previous year export (Produce wise)						
	Quantity in MT						
	Name of Exporter						
	Name of Pack house						
9.	Whether any Non-compliance notification						

It is certified that the information mentioned above is correct. We hereby undertake to abide by the guidelines/ conditions stipulated in the Standard Operating Procedure (SOP) for Export Inspection & Phytosanitary Certification of Vegetable and Fruits to EU countries.

**Date:****Place:****(Signature of the Farmer)****Name of the Farmer**

GOVERNMENT OF \_\_\_\_\_  
DEPARTMENT OF \_\_\_\_\_

**Certificate of Registration of Farm for Export of Vegetables and Fruits to EU**

This is to certify that \_\_\_\_\_ is here by registered as Vegetable/Fruit Grower with the office of the District Superintending Agriculture/ Horticulture officer, \_\_\_\_\_ in accordance with the SOP for Export Inspection & Phytosanitary Certification of Vegetable and Fruits to EU countries for the year April ,20.... to – March, 20.....

The detail of the registered farmer is as follows:

Name of the Farmer:

Full Address:

Taluk/Manda:

Village:

District

Sr.No.	Name of the crop & variety	Survey/GAT No	Plot No.	Area of Plot (Ha.)	Estimated production (MT)	Farm Reg. No.
1						
2						
3						
4						
5						
6						

1. Map Layout enclosed.

2. This Certificate is valid up to \_\_\_\_\_.

3. Have verified the Survey/GAT No. with respect to the registration and to the best of my knowledge, above information is correct.

Place:

Date:

Registration Authority  
(Dept. of Agriculture/Horticulture)

**Terms & Conditions of Registration of the Farm for Export of Vegetables & Fruits**

- To follow only the recommended package of practices.
- The Farmer shall not use pesticides other than those allowed for use on vegetables and fruits as recommended by CIB&RC.
- Misbranded, Non-recommended or banned pesticides or any harmful chemical shall not be used.
- The registered farmer shall maintain record of package of practices followed by them in a prescribed register.
- No amendments will be made by them on the registration records or the registration certificate.
- Applicant should renew the certificate of registration before due date.
- The registered farmer shall follow the guidelines as stipulated in SOP for Export Inspection & Phytosanitary Certification of Vegetable and Fruits to EU countries

**PROFRMA FOR MAINTAINING THE RECORD (CROP & PLOT-WISE) FOR REGISTERED FARM  
(To be maintained by the farmer and monitored by State Department of Agriculture/ Horticulture)**

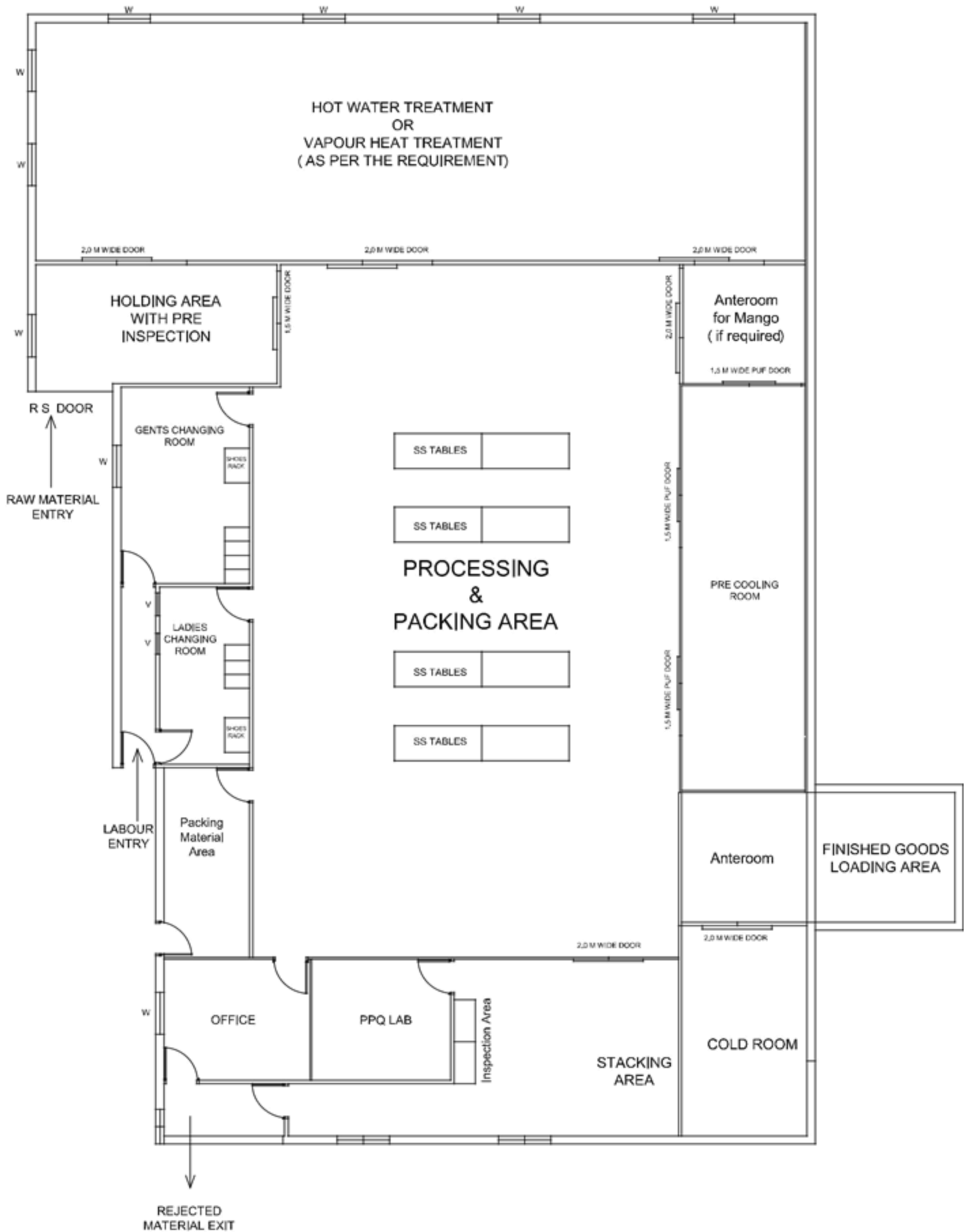
- 1) Farm Registration Number :
- 2) Date of Registration/Renewal of Farm :
- 3) Name and address of the farmer :
- 4) Location of plot (lay out/benchmark) :
- 5) Total area of the registered farm/plot (Ha):
- 6) Name of crop and variety :
- 7) Date of sowing/planting :

**A. Status of the pests:**

Sl. No.	Date of observation (minimum fortnightly)	Crop stage	Name of pest observed	Intensity of the pest	Plant protection measures adopted	Any other information/ Remarks by State Deptt. of Agri./Hort
1.			1.			
			2.			
			3.			
			4.			
			5.			
2.			1.			
			2.			
			3.			
			4.			
			5.			

**B. Details of pesticide/chemical used:**

Sl.No.	Date of application	Name of the pesticide/chemical	Dose (ml/lit of water)	Quantity of chemical used	Remark/ Any other information
1.					
2.					
3.					



**TYPICAL PACKHOUSE LAYOUT**

# PRODUCT FLOW CHART

