

1.Training Program on “Phyosanitary Treatment Measures (Heat Treatment)”	
Course Synopsis	Training Program on “Phyosanitary Treatment Measures (Heat Treatment)” will impart knowledge and hands-on skills in the area of Phyosanitary treatment measures w.r.t. heat treatment in compliance of International Standard on Phyosanitary Measures -15 (ISPM-15).
Course Duration	01 Week
Justification/ Rationale	<p>NIPHM is a National level premier institute under the administrative control of the Department of Agriculture & Cooperation, Ministry of Agriculture & Farmer’s welfare, Government of India. NIPHM is promoting environmentally sustainable Plant Health Management practices in diverse and changing agro-climatic conditions, Plant Biosecurity and SPS Measures and Pesticide Management through capacity building programs, besides providing inputs for policy formulation on Plant Health Management, Plant Biosecurity, Invasive Alien Species, market access, Pesticide Management etc. at state and national level. NIPHM has international level, well equipped laboratories where participants can be trained through hands-on experience.</p> <p>NIPHM is a partner institute of ITEC-MEA and conducted several program in recent past. The institute has its own in-house heat treatment facility for providing hands-on-practice and demonstration to the participants. Further, NIPHM is the only institute in India who is authorized to conduct mandatory training program on “heat treatment” for wooden packaging material in compliance of ISPM-15.</p>
Aims & Objective of the course	<ul style="list-style-type: none"> • To impart knowledge and skills on ISPM-15 standard. • To impart knowledge on International and national regulatory framework for heat treatment. • To impart knowledge on design and construction of heat treatment facility • To impart practical knowledge on heat treatment procedure • To impart knowledge on insect pests, nematode, and fungi associated with wooden packaging material
Expected Outcome of the course	<p>During the training course the participants will acquire skill /hands-on practices in the following areas:</p> <ul style="list-style-type: none"> • Heat treatment procedure in compliance of ISPM-15. • International and national regulations • Establishment of heat treatment facility i.e. design and construction of facility • Do’s and Don’ts in heat treatment • Documentation and record keeping
Eligibility conditions of the participants	Plant quarantine officials and treatment providers from Bhutan

Training Schedule: A simple thematic/ day-wise schedule (topics covered) may be attached.

Date and Day	Topic
Day 1	Pre-training evaluation
	Programme inauguration
	International regulatory framework
	Insect pests and Nematode associated with wood packaging material
	Fungi associated with wood packaging material
Day 2	Recapitulation
	ISPM -15 an overview
	ISPM-15 - Exercise
	Phyosanitary Treatments – an Overview
	NSPM – 9
	Design & Construction of FHAT facility
Day 3	Recapitulation
	Audit protocols for FHAT accreditation
	Equipment Requirement for FHAT
Day 4	Visit to FHAT facility & Demonstration of treatment procedure
Day 5	Cultural and heritage visit
Day 6	Recap
	Calibration of Sensors (P)
	Demonstration of treatment procedure
	Dwell time readings & Post treatment procedures
	Documentation and record keeping (P)
	Assignments
Day 7	Recap
	Do's and Don'ts in FHAT (T)
	Presentation by participants
	Post Course evaluation and Feed Back
	Valedictory