



Department of Horticulture
Himachal Pradesh

No.:19-27(HPSHIVA-ETender-G1-Vol-IV)/2021-22

Dated: 19th Feb 2022


Notice Inviting Expression of Interest (EOI)

Expressions of Interest are invited for the “supply of disease free high quality planting material” under Asian Development Bank (ADB) funded Himachal Pradesh Subtropical Horticulture, Irrigation & Value Addition Project (HPSHIVA) from the interested and eligible suppliers for following fruit crops:-

Sr. No.	Fruit Crop	Varieties
1.	Citrus	Blood Red, Jaffa, Mosambi, Valencia, Natal, Hamlin, Pera, Washington Navel, Westin
2.	Guava	Lalit, Shweta, VNR Bihi, Hisar Safeda, Allahbad Safeda, Thai Pink
3.	Litchi	Dehradun, Shahi, Rose Scented
4.	Pomegranate	Bhagwa
5.	Plum	Black Amber, Frontier, Satluj Purple, Red Beaut, Kala Amritsari
6.	Pecannut	Mahan, Nellis, Burkett
7.	Kiwi	Allison, Abott, Bruno, Hayward, Tomuri
8.	Persimmon	Hachiya, Fuyu, Kandaghat Pink (Pollinizer)
9.	Mango	Mallika, Pusa Arunima, Ambika, Chausa

Key details:

- Date of online publication of EOI Notice: 19th Feb 2022. The detailed EOI document for above mentioned items can be downloaded from <https://hptenders.gov.in> or official website of the Department – <https://eudyan.hp.gov.in>.
- EOI document download start and end date: 19th Feb 2022, 18:00 Hours to 12th Mar 2022, 18:00 Hours.
- Date and time of EOI submission: 27th Feb 2022 to 12th Mar 2022, 18:00 Hours. EOI can be submitted online / offline.
- Date and time of EOI opening: 14th Mar 2022, 11:00 Hours in the presence of Bidders' representatives who choose to attend.
- The undersigned reserves the right to reject one or all EOI without assigning any reason what so ever.
- The officer inviting EOI shall not be held liable for any delays due to system failure beyond his control.


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NON-COMMITTAL REQUEST FOR EXPRESSION OF INTEREST

Supply of Disease Free High Quality Planting Materials for Himachal Pradesh Subtropical Horticulture, Irrigation and Value Addition Project (HPSHIVA) Department of Horticulture Himachal Pradesh, Shimla – 171002 (India)

Expressions of Interest (Eoi) are requested from National and International Registered / Licensed Plant Nurseries for supplying Disease Free High Quality Planting Material for development of Sub Tropical Horticulture under the Himachal Pradesh Sub Tropical Horticulture, Irrigation and Value Additional Project (HPSHIVA) planned to be implemented in the state of Himachal Pradesh, India.

The Government of Himachal Pradesh (GoHP) intends to apply the proceeds of an Asian Development Bank loan for the implementation of the Himachal Pradesh Subtropical Horticulture, Irrigation and Value Addition Project (HPSHIVA). The overall HPSHIVA project, comprising a Project Readiness Financing (PRF- US\$10 million over two years – 2020 to 2022) and the ensuing project (US\$ 90 million over 5 years – 2023 to 2028) aims to increase the income of at least 25,000 farm households in 7 districts (Bilaspur, Hamirpur, Kangra, Mandi, Solan, Sirmour and Una) of subtropical areas of Himachal Pradesh through development of 10,000 hectares of horticulture plantations. In the long-term, the HP-SHIVA project will contribute to (i) increased income of rural households in Himachal Pradesh; and (ii) strengthened climate resilience in Himachal Pradesh. The HPSHIVA project will expand irrigation to farmers, increase subtropical horticulture production and its climate resilience, and raise the profitability and farm gate price of subtropical horticulture production through value chain development of targeted commodities.

The Department of Horticulture (DoH) of the Government of Himachal Pradesh is the Executing Agency for the HPSHIVA Project and has established a Project Management Unit (PMU) for day to day implementation and management of the HPSHIVA Project.

The DoH is conducting a market survey of available suppliers and crop varieties to aid in the procurement planning for the project, and as such, suppliers interested in participating in future procurement are invited to submit Expressions of Interest.

1. Tentative Requirement of quality planting material

In the initial phase of the ensuing loan project (June 2022 to Feb 2024) around 40% of the coverage area i.e. around 4,000 hectares needs to be developed and planted through 'high density plantation'. The balance 60% of the coverage area shall further be developed during the remaining loan period.

To meet this requirement, the DoH/HPSHIVA PMU plans to procure **Disease Free High Quality Planting Material** for field planting of the following fruit crops/varieties based on the delivery schedules and quantities as indicated:

Crop	Fruit Variety	Tentative Delivery Schedules				Total No (Initial Phase)	Total No (Subsequent Phase)
		Jun-2022	Feb-2023	Jun-2023	Feb-2024		
Citrus	Blood Red, Jaffa, Mosambi, Valencia, Natal, Hamlin, Pera,	326,634	139,986	762,146	326,634	1,555,400	2,333,100

	Washington Navel, Westin						
Guava	Lalit, Shweta,VNR Bihi, Hisar Safeda, Allahbad Safeda, Thai Pink	279,972	119,988	653,268	279,972	1,333,200	1,999,800
Litchi	Dehradun, Shahi, Rose Scented	78,750	33,750	183,750	78,750	375,000	562,500
Pomegranate	Bhagwa	93,324	39,996	217,756	93,324	444,400	666,600
Plum	Black Amber, Frontier, Satluj Purple, Red Beaut, Kala Amritsari	-	15,000	-	35,000	50,000	75,000
Pecannut	Mahan, Nellis, Burkett	-	6,672	-	15,568	22,240	33,360
Kiwi	Allison, Abott, Bruno, Hayward, Tomuri	-	19,992	-	46,648	66,640	99,960
Persimmon	Hachiya, Fuyu, Kandaghat Pink (Pollinizer)	-	15,000	-	35,000	50,000	75,000
Mango	Mallika, Pusa Arunima, Ambika, Chuasa	-	-	-	-	-	222,200
Grand Total		778,680	390,384	1,816,920	910,896	3,896,880	6,067,520

Note: These are estimated quantities for fruit crops indicated above including all enlisted varieties which may be subject to some variations based on actual considerations prevailing at the time of tender initiation.

2. Technical Specifications of the Planting Material

The General Technical Specifications of the Planting Material (planned to be procured) should conform to the following parameters:

Citrus (Sweet Orange):

- Plants raised in root trainers/ poly tubes/ polybags of minimum size 7-9 Inches.
- Root-stock requirement is preferably Rough Lemon, Carrizo, Rangpur Lime or other disease resistant rootstock. If using any other rootstock, then specify alongwith its characteristics.
- Micro-grafted or Chip Budded plants.
- Graft/ bud union 15-20 cms above collar portion.
- Diameter of plant above graft union - between 1.0 to 1.25 cms
- Height of plant - minimum 55cms.
- Root length 15-20 cms, feeder roots not less than 20 Nos.
- Age of plant - minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft-transmissible pathogens (such as viruses, phytoplasmas) insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Guava:

- Plants raised in root trainers/ poly tubes/ polybags of minimum size 7-9 Inches.

- Root-stock requirement is preferably *Friedrich sthalianum*, *Psidium Malle* x *P. guajava* or other disease resistant dwarf rootstock. If using any other rootstock, then specify alongwith its characteristics.
- Wedge grafted or Chip Budded plants.
- Graft/ bud union 15-20 cms above collar portion.
- Diameter of plant above graft union - between 1.25 to 1.5 cms
- Height of plant - minimum 50 cms.
- Root length 15-20 cms, feeder roots not less than 20.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Litchi:

- Plants raised in root trainers/ poly tubes/ polybags of minimum size 7-9 Inches.
- Air Layered plants.
- Diameter of plant – more than 1.0 cms.
- Height of plant - minimum 45 cms
- Root length 15-20 cms, feeder roots not less than 20.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Pomegranate:

- Plants raised in root trainers/ poly tubes/ polybags of minimum size 7-9 Inches.
- Tissue cultured plants required.
- Diameter of plant more than 0.75 cms.
- Height of plant - minimum 30 cms
- Root length >15cms, feeder roots not less than 20.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from all kind of insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Mango:

- Plants raised in root trainers/ poly tubes/ polybags of minimum size 7-9 Inches.
- Root-stock requirement is seedling or other disease resistant dwarfing rootstock. If using any other rootstock, then specify alongwith its characteristics.
- Require grafted plants.
- Graft union 15-20cms above collar portion.
- Diameter of plant above graft union should be between 1.25 to 1.5cms and below union (Root-stock) 1.5 to 2.0cms.

- Height of plant - minimum 60 cms.
- Root length >20 cms, feeder roots not less than 20 Nos.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Plum:

- Plant material to be supplied bare rooted properly wrapped and packed.
- Root-stock requirement is Myrobalan-B, Pixy, wild Apricotor other low chilling, disease resistant rootstock. If using other rootstock, then specify along with its characteristics.
- Grafted/ Budded plants- any interstock
- Graft/ bud union 15-20 cms above collar portion.
- Diameter of plant above graft union - 1.2 to 1.5 cms and below union (Root-stock) 1.5 to 2.0 cms.
- Height of plant - minimum 60 cms.
- Root length 15-20 cms, feeder roots not less than 10 Nos.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Persimmon:

- Plant material to be supplied bare rooted properly wrapped and packed.
- Root-stock requirement is Amlok. If using any other rootstock, then specify alongwith its characteristics.
- Grafted plants-without any interstock
- Graft union 15-20cms above collar portion.
- Diameter of plant above graft union - 1.2 to 1.5 cms and below union (Root-stock) 1.5 to 2.0cms.
- Height of plant - minimum 50 cms.
- Root length 15-20 cms, feeder roots not less than 10 Nos.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

Kiwi:

- Plant material to be supplied bare rooted properly wrapped and packed.
- Root-stock requirement is seedling (Bruno). If using any other rootstock, then specify along with its characteristics.
- Grafted/ budded / tissue cultured plants with minimum 4 to 5 eyes/ buds
- Graft union 15-20cms above collar portion.
- Diameter of plant above graft union-0.75 to 1.0cms and below union (Root-stock) 1.0 to 1.25cms.

- Height of plant -minimum 30 cms.
- Root length 15 cms, feeder roots not less than 8 Nos.
- Age of plant should be minimum 1-1.5 year but not more than 3 years.
- Plant material free from graft transmissible pathogens (such as viruses, phytoplasma), insect pests and diseases.
- True to type plant material (Undertaking to be furnished by the supplier in form of an affidavit) having uniform size and shape.
- Tagging of each plant is required with name of variety, rootstock method of grafting, date of grafting etc.

3. Nursery Infrastructural Requirements

The Supplier Nursery Quality and Infrastructural Requirements should conform to the following parameters:

- Registration of nursery by the Competent Authority (i.e. State Registration and/or NHB Registration as applicable for National Nurseries and Appropriate Competent Authority Registration for Nurseries from outside India)
- Technical Infrastructure facility in the nursery e.g. net house, polyhouse etc.
- Irrigation Source and Appropriate Irrigation Methods including drainage infrastructure (as necessary)
- Propagation Media
- Progeny Trees being used as source of scion wood and rootstock.
- Testing facility, if any (internal or external) at the nursery to check nutritional status, pests and diseases.

Nurseries located outside India may be required to meet the following requirements:

Nursery has to fulfill all above mentioned criteria and supply the requisite documents. Apart from above,

- The Nursery/ Supplier should be national/ citizen of ADB Member country.
- Registration of nursery by the competent authority in the originating country.
- Plants should be in soilless media or without soil.
- Phytosanitary certificate to be provided from the competent authority of the originating country.
- Proof of Origin of Mother Stock.
- The supplier should have an agent / partner /authorized representative in India to facilitate the overall procurement process and provide support services to the DoH for plant quarantine and post quarantine requirements and services.

4. Evaluation of EOIs received

The EOIs received will be evaluated and will form the basis of the procurement plan for the project's planting material requirements. If considered necessary, scouting visits/physical inspections by the DoH for confirmation of information submitted may be conducted.

5. Estimated Time Frame

Considering that the time period required for development and propagation of the disease free high quality plant saplings of the required specifications is around 12 months or more, the DoH wishes to commence with the identification of eligible and qualified plant nurseries well in advance so as to allow the nurseries enough time to prepare themselves for the projected supplies as per the required delivery periods.

6. Request for Expressions of Interest

Interested plant nurseries who wish to be considered for the Disease Free High Quality Planting Material supply needs of the HPSHIVA Project, may send in their Expressions of Interest (EoI) which should, at the minimum, include the following information:

- 1) Date of nursery establishment
- 2) Registration of nursery
- 3) Area of the nursery (ha)
- 4) Sale of Planting Materials in last 3 years.
- 5) Financial Turnover statements in last three years.
- 6) Number of skilled labour deployed
- 7) List/ catalogue of crops and varieties being raised in the nursery.
- 8) Summary of best management practices to produce diseases and pests free plant materials.
- 9) Variety wise production capacity of required planting material of the nursery (Quantities for each variety to be given).
- 10) Progeny Trees being used as source of scion wood and rootstock.
- 11) Details of other Nursery Infrastructure
- 12) Future planning of plant propagation for next three years.

EoIs with all required information and other relevant details (including the completed Check List of Documents) should be submitted to the following address on or before 12th March 2022.

**The Project Director
Himachal Pradesh Sub Tropical Horticulture, Irrigation and Value Addition Project (HPSHIVA)
Department of Horticulture,
Navbahar, Shimla-171002,
India**

Email: pmuhpshiva@gmail.com

Copy to: gupta.deepak1768@yahoo.com, manojsharma3006@gmail.com

EoI submission through email is acceptable and should be followed up with a hard copy submission at the above address. Clarifications, if any may be addressed to the email ID mentioned above and DoH/HPSHIVA PMU will offer appropriate clarifications on key issues as considered necessary and such clarifications would be shared with other interested nurseries who submit EoIs for wider dissemination of information.

DoH/HPSHIVA PMU does not commit the project to procuring the materials on the basis of the EoIs received. A separate bidding procedure will be announced publicly in due course.

Check List of Documents/Information to be attached with EoI

Sr. No.	Particulars of the document attached	Yes / No
1.	Nursery Registration certificate from the competent authority. For nurseries within the country registration with respective State Govt. and/ or NHB is required. For nurseries outside the country, registration with competent statutory authority is required.	
2	Area of Nursery	
3.	Last 3 years crop wise & variety-wise details of production and sale	
4.	Last 3 years financial statements	
5	Number of skilled labour employed	
6	Variety wise production capacity of required planting material of the nursery. (Quantities for each variety to be given along with lead time for supply).	
7.	Progeny Trees being used as source of scion wood and rootstock.	
8.	Summary of best management practices to produce diseases and pests free plant materials	
9.	Proof of origin of mother stock from the competent authority in case of nurseries outside India	
10.	List / catalogue of crops and varieties being raised in the nursery	
11.	Details of other Nursery Infrastructure	
12.	Future planning of plant propagation for next three years.	
13	Any other document (that may further demonstrate company's performance and/or credentials)	