



**Govt. of Bihar**  
**Department of Agriculture,**  
**Bihar Horticulture Development Society Patna**  
**(State Horticulture Mission)**

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**Expression of Interest for empanelment and fixation of rate for supply/installation of Green House/Poly House/Shade Net/Shade House/Mulch Film/ INM & IPM/HDPE Vermi Bed/Honey Bee Box/Honey Extractor/Food Grade Container/Plastic Crates/Leno Bag/Power Operated Machine/Tools including Power Saw & Plant Protection Equipments/Power Machine 20HP & above Including Accessories & Equipments in the State of Bihar.**

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For timely and smooth execution of different schemes of horticulture development in the state of Bihar, Bihar Horticulture Development Society (BHDS), Patna, Bihar invites Expression of Interest (EOI) for empanelment as well as rate fixation for supply and installation of the different components mentioned above from reputed Manufacturers/Authorised Dealers/ Firms/ Agencies/Govt. & Non Govt. Organisations/Companies.

A panel of technically qualified firms will be prepared by BHDS. Empanelled firms will be eligible for supply/installation of the different components mentioned above under different schemes executed by BHDS in the state.

**Quotation forms including terms and conditions, specifications and quantity can be obtained from the State Horticulture Mission, Patna on all working days (Monday to Friday) between 11.00 hours to 16.00 hours by payment of a demand draft of ₹1000.00 drawn in favour of Bihar Horticulture Development Society, Patna. It may also be downloaded from the website [www.horticulture.bih.nic.in](http://www.horticulture.bih.nic.in). In case of a downloaded form DD of ₹1000.00 to be attached with the form.**

The firms which are already empanelled for supply of above mentioned items/articles in 2011-12 are required to submit only the following documents & undertakings for continuation of their empanelment in 2013-14.

- a. I/We provide supply/installation of ..... (name of component) as per NHM, CMHM & Other Central/State Sponsored Schemes specifications.
- b. Affidavit for supply/installation on rate to be fixed by BHDS, after sale service, system maintenance, on Rs. 100/- Non Judicial Stamp paper as per new terms and conditions mentioned in EOI.
- c. Empanelment fee of Rs. 25,000/- for each item mentioned in the above topic except leno bags.
- d. Empanelment fee of Rs. 2,000/- for Leno bags.

Applications for Empanelment in envelope duly super-scribed "Application for Empanelment as well as rate fixation for supply/installation ..... (name of component) under NHM/CMHM & Other Central/State Sponsored Schemes" addressed to the Mission Director, Bihar Horticulture Development Society, Patna should be submitted in State Horticulture Mission, 2<sup>nd</sup> Floor, Pant Bhawan, Bailey Road, Patna.

The last date for submission of the completed EOI will be on or before 15.00 hrs. on 21<sup>st</sup> October, 2013 and the EOI will be opened on the same day at 16.30 hrs in presence of the applicants or their authorized representatives who choose to attend.

Bihar Horticulture Development Society, Patna reserves the right to revise/change/cancel the EOI without assigning any reasons thereof.

**Mission Director**

**Empanelment for supply/installation of following components**

**Components for empanelment :**

- A) Green House
- B) Poly House
- C) Shade Net
- D) Shade House
- E) Mulch Film
- F) INM & IPM
- G) HDPE Vermi Bed
- H) Honey Bee Box
- I) Honey Extractor
- J) Food Grade Container
- K) Plastic Crates
- L) Leno Bags
- M) Mechanization and tools for Horticulture mechanization
  - a) Power machines with accessories /equipment.
  - b) Power machines with accessories/equipments.
  - c) Mist blower cum duster specification.
  - d) Pole pruner – Specification
  - e) Brush cutter :- Specification
  - f) Chain Saw : - Specification
  - g) Hedge trimmers :- Specification
  - h) Earth Augurs :- Specification

### **General terms & conditions for empanelment :-**

1. EOI can be submitted for one component or more than one component or all components.
2. EOI will be submitted in sealed envelope duly superscribed as "Expression of Interest" on the envelope along with components name.
3. Manufacturer/Authorised Dealer/ Firms/ Agency/Govt. & Non Govt. Organisation/Companies applying for empanelment should have at least 3 years experience for supplying/installation in the field of each and all components as per their proposal for empanelment. Work order/experience certificate issued from Govt. or Non Govt. Organisation should be attached with EOI in support of experience, which clearly indicates firm's name and volume supply with componentwise pricelist.
4. The following papers/documents must be attached with EOI.
  - a. Registration Certificate and detailed information of factory, firm/Company etc. as well as product catalog of Manufacturer/Authorised Dealer/ Firms/ Agency/Govt. Organisation / Company will be attached with EOI.
  - b. Certificate issued by manufacturer being authorised dealer/firm/agency, registration certificate of organisation and product catalog must be attached with EOI.
5. EOI submitted without relevant papers/documents will be rejected.
6. The firm should have its own manufacturing unit, plant and machinery etc and authorized dealer should have proper authorization of concerned manufacturers.
7. Brand name/specification/warranty period of each component must be mentioned in EOI.
8. The annual turnover of the firm must not be less than ₹50.00 lakhs for the last one year. Audited balance sheet along with annual report and I.T. return should be submitted as supporting documents.
9. The applicant should submit annual empanelment fee of ₹25,000/- (Twenty Five thousand) for each items except leno bags. For leno bags empanelment fee will be Rs. 2,000/- in the form of demand draft payable to **Mission Director, Bihar Horticulture Development Society, Patna**. The annual empanelment fee is non refundable.
10. The firm can apply for each component separately if they wish to and have to submit empanelment fee separately for each component.
11. The firm should furnish a copy of sales tax registration, TIN and VAT number.
12. If any trade discount is claimed it must be mentioned in EOI.
13. Telephone No./Mobile No./Email and Full Address of the applicant must be mentioned in EOI.
14. Manufacturing unit/authorized dealer point may be inspected before approval as and when Mission Director, BHDS feel necessary to ensure the performance and quality of the product.
15. In the event of any complaint regarding after sales service and in case of supply of defective/sub standard material, the empanelled firm shall have to verify the defects within a period of 15 days.
16. The BHDS is free to evolve strong punitive measure against erring companies to safeguard the interests of farmers in order to ensure proper utilization of public funds.

17. The material should be as per the quality specifications mentioned in the EOI notice. Failure to supply as per the quality specifications shall result in forfeiture of EMD, blacklisting and legal action against the company.
18. Under the Two Proposal System, the **Technical Proposal** shall consist of all technical details along with commercial terms and conditions and, **Financial Proposal** shall indicate unit price for components proposed for.
19. EMD will be the part of Technical Proposal only.
20. **Earnest Money Deposit (EMD)** of Rs. 50,000/- (Fifty Thousand) should be furnished in the form of Demand Draft in favour of **BIHAR HORTICULTURE DEVELOPMENT SOCIETY** payable at any nationalised bank situated at **Patna (Bihar)** town. The earnest money of the technically unsuccessful firms will be refunded after the rejection of their EOI and will be retained from the successful firms up to the time of execution of contract, till the submission of security deposit and signing of agreement.
21. The **Technical Proposal** along with earnest money and the **Financial Proposal** should be **sealed** and submitted by the applicant in separate envelopes duly superscribed as Technical Proposal and Financial Proposal, respectively and should be put in a bigger envelop superscribing Proposal for Expression of Interest & Rate Fixation for supply/installation of ..... (name of component) and addressed to Mission Director, Bihar Horticulture Development Society, Patna.
22. All the **Proposal** documents should be signed by the **authorized person, carrying the prescribed letter of authority** and his full name and status should be indicated below his signature with the seal of agency/company/firm.
23. Rate quoted in financial proposal must be inclusive of all taxes/installation charges, freight for destination etc. Financial Proposal will be quoted in figures as well as in words. In case of any ambiguity amount quoted in words will be considered. The quotation of rate of any component must be with respect to desired technical specification of that component mentioned in EOI paper.
24. Conditional tenders will not be accepted.
25. **The Technical Proposals will be opened first** and will be evaluated by the society. Only such proposal will be evaluated in which required Earnest Money and EOI document cost are deposited along with the Technical Proposal and that meets other conditions of the proposal. Evaluation of the Technical Proposal, shall be carried out by a committee constituted by the Society, which shall look into compliance of specifications and of other conditions of tender enquiry. At the second stage, **Financial Proposal of only technically acceptable and offers complying with EOI conditions will be opened**, for further evaluation.
26. A tri party agreement would be made mandatory for functional working of supply/installation of any component mentioned in EOI between concerned Horticulture Development officer of the district, farmer/Applicant and firm.
27. Payment would be made after successful completion of work and subject to verification by the officer designated for this work.
28. The firm shall submit an affidavit from notary that "the company has not been blacklisted by any State Govt./Union Govt. or Organisation".
29. Mission Director, BHDS, Patna reserves the right to reject/cancel the empanelment of firm at any time if he/she is satisfied that it is desirable to do so in farmers interest

after giving an opportunity of hearing such an applicant. The decision of Mission director, BHDS, Patna shall be final and binding.

30. **Proposals should be addressed to Mission Director, State Horticulture Mission, Directorate of Horticulture, Department of Agriculture, 2<sup>nd</sup> Floor, Pant Bhawan, Bailey road, Patna and must reach on or before the date & time mentioned in the EOI notice.**
31. **EOI can be sent by post /courier/or by hand. In case of delivery in person, the document may be dropped in the proposal box kept for this purpose at the Mission Director's office at the address mentioned above.**
32. Proposers or their duly authorized representatives may be present at the time of opening the Main envelope and the Technical Proposal, the time and place for which is indicated in the EOI document. Time and Place for opening of Financial Proposal shall be immediately after evaluation and shall be communicated through a notice at the office of Mission Director.
33. **Proposals received late after due date and time, will be rejected. The Bihar Horticulture Development Society will be in no case responsible for late delivery or non-delivery of EOI papers due to postal delay etc.**
34. Participation in the EOI will automatically imply the acceptance, on part of the participating Government agency/firm /company, of all the terms and conditions of this EOI.
35. **The firms facilities should have ISO/BIS certifications.**
36. The Bihar Horticulture Development Society reserves the right to accept/revise/change or reject any proposal or all at any time without assigning any reason thereof.
37. Since the EOI has been invited for empanelment and rate fixation. So the rate submitted by any firm found to be the lowest in any components will be the rate per unit of installation/supply for that component and it must be applicable for all empanelment firms to follow that fixed rate, provided, this rate per unit should not exceed the NHM norms.

## **Technical specifications of the components :-**

### **A) POLY HOUSES**

#### **i) Height**

- Upto 250 sqm. – 3.5 to 4.5 m.
- Large size – 5.5 to 6.5 m.

#### **ii) Technical measures for 500 m<sup>2</sup> and above Natural ventilated poly houses.**

- Bay size – 8m x 4 m, width of Poly house should be at least 35% of the desired length.
- Ridge height – 5.5 m to 6.5 m
- Ridge vent – 80 – 90 cm. opening fixed with 40 mesh nylon insect screen.
- Gutter height – 4 m to 4.5 m
- Gutter slope – 2%
- Gutter material – 20 gauge or 1 mm thick GI sheet with perimeter of 500 mm or more perfectly of single length without joint.
- Structure design – To withstand high wind speed minimum 150 k.m./hr. and minimum load of 25 kg/m<sup>3</sup>. There should be provision of opening one side for the entry of small tractor.
- Structure – made up to G.I. sheet tubular pipes or equivalent section configuring Indian stands having wall thickness of 2 mm joined with fastner properly.
- Columns – 76 mm OD, 2 mm thick.
- Trusses - bottom & top cord 60 mm OD, 2 mm thickness.
- Trusses member – 48 mm OD, 2 mm thickness.
- Purlin – 42 mm OD, 2 mm thickness.
- Purlin member & others – 33/25 mm OD, 2 mm thickness.
- Foundation – Insert G.I. pipes of minimum 60 OD or more to have foundation depth of 75 cm or more depending upon soil type and prevailing wind condition, grouted with cement concrete mixture of 1:2:4 using telescopic insertion of column.
- Fasteners – All nuts & bolts should be high tensile strength and galvanized.
- Entrance Room and door 2m x 2m.
- Cladding material : - 200 Micron U.V. stabilized transparent plastic sheet films confirming BIS standard multilayer, anti drip, anti fog, anti dust, anti sulfur, 85 % level of light transmittance.
- Fixing of cladding material :-All ends/joints of plastic films need to be fixed with two way aluminum profile with suitable locking arrangement along with curtain top.
- Spring Insert – Zigzag high carbon spring action wire of 2-3 mm diameter.
- Curtain and Insect Screen – Roll up U.V. stabilized 200 micron transparent plastic film as curtain need to be provided up to 3 m height on all sides having automatic type. 40 mesh nylon insect proof nets (UV stabilized) of equivalent size need to be fixed inside the curtain.
- Shade net :- UV stabilized 50% shading net with motor/manually operated mechanism for expanding and retracting size of net should be equal to the floor area of green house.

**B) SHADE NET HOUSE**

a) Height – 4 m.

b) Main parts :

S.No.	Pipe Description	Pipe OD in mm	Thickness in mm	Length of pipe in mm
1	Main column	60	2	4000
2	Straight corridor	60	2	5000
3	Bend corridor	60	2	5000
4	Foundation stub	48	2	1200
5	End purlin	43	2	4000
6	Middle purlin	33	2	4000
7	Horizontal member	43	2	1200
8	knee bracing	27	2	1200
9	Ladder 8 m	Fabricated		8000
10	Ladder 4 m	Fabricated		8000

c) Other parts :

S.No.	Pipe Description	Specifications
1	Profile	C shaped aluminium profile with min weight 200g
2	Fixtures	
3	Flat patti	Cold galvanized (electroplated)
4	60 OD full clamp	GI coil width 45 mm thickness 2 mm
5	60 OD half clamp	GI coil width 45 mm thickness 2 mm
6	33 ID half clamp	GI coil width 45 mm thickness 1.6 mm
7	25 ID full clamp	GI coil width 45 mm thickness 1.6 mm
8	Self tapping screw	
9	Spring Insert	High carbon steel wire, 2.3 mm dia
10	M 10 x 80	Cold galvanized (electroplated)
11	M 10 x 40	Cold galvanized (electroplated)
12	M 10 Nut	Cold galvanized (electroplated)
13	M 10 Washer	
14	M 6 x 50	Cold galvanized (electroplated)
15	M 6 Nut	Cold galvanized (electroplated)
16	M 6 Washer	
17	Door assemble	1m x 2m

d) **Shade Net** – 50 % of the side  
 - 35 % fixed on top  
 - 50 % movable on top from centre  
 Colour – Green or White

**C) DETAILS OF HONEY BOX**i) **Size-**

- Length - 20 ¼ inches.
- Width - 16 ¼ inches.

ii) **Complete set of Honey boxes will consists of**

- Floor sheet.
- Infant part.
- Honey part.
- Migration net.

- Thin cover.
- Hard cover.
- Four frame.

**Honey Bee colony**

- I. Four frames with Queen, Drone and Soldier.
- II. Inner wall of all four frames should be fully covered with bees and eggs.
- III. wax – 1 kg.
- IV. Stand for box @ 4 inches high below the box.
- V. Set of tools.

**D) HONEY EXTRACTOR :-**

**a) Honey Extractor – 4 frame.**

**Size-**

- Length - 36 inches.
- Width - 30 inches.

**E) FOOD GRADE CONTAINER :-**

**a) Food grade container – 30 k.g. net.**

**F) HDPE VERMI BED :-**

**a) HDPE Vermi Bed – IS-15907 : 2010**

**G) PLASTIC CRATES :-**

**a) Plastic Crates (30-48kg./Ltrs.) – Bottom Solid, Side Perforated (Branded)**

**H) LENO BAGS :-**

**a) Leno Bags – Branded**

**I) IPM/INM :-**

**a) IPM/INM – As per specifications mentioned in the guideline of NHM.**

**J) Specification for Mechanization and tools for Horticulture mechanization :**

- i) The firm/manufacturer/authorized dealer should meet the specification of products as per Indian/International standard.
- ii) The firm/manufacturer should provide the maintenance up to one year from the date of sale.
- iii) Item wise details are given below for the individual machines & tools which is to be supplied by the firm/manufacturer/dealer on demand of the authority.
- iv) Details of manufacturer make/model name should be provided by the manufacture/firm/dealer in a separate sheet with market price.

**i) Power machines with accessories /equipment.**

- Upto 20 BHP Power
- for cultivation/rotavator/tillering/seedling transplanter/Pneumatic planter machines / Tractor mounted sprayer/mulch laying machines/Vegetable washer, Root/tuber crop planter etc.

**j) Power machines with accessories/equipments.**

- Power 20 BHP & above



- Tractor mounted cultivator/Rotavator/Tractor mounted sprayer/Root/tuber crop digger/harvester Seed cum fertilizer drill clump remover pit/hole digger boom/power sprayer Hydraulic pickling platform Root/tuber crop planter.

**k) Mist blower cum duster specification.**

- Petrol driven
- Tank capacity – 1400 lt.
- Horizontal range – 14.5 m
- sound press level – 97.0 (db)
- Vibration level – 1.9 mt./s sq.
- Displacement – 63.3 cubic centimeter.

**l) Pole pruner – Specification**

- Power output – 0.95/1.3 K.W/HP
- Displacement – 25.4 cc
- Sound press level – 98.00 db (A)
- Guide Bar – 303/8 cm
- Weight – less than 8 kg.

**m) Brush cutter :- Specification**

- Displacement – 40.2 cubic cm.
- Power output – 1.6/2.2 kw/HP
- Vibration level left/Right – 5.9/3.0
- Length - < 180 cm
- Weight - < 8 kg.

**n) Chain Saw :- Specification**

- Petrol driven
- Displacement – 30.1 cc
- wt. – 3.1 kg.
- Power output – 1.8 HP
- Bar length – 30 cm.

**o) Hedge trimmers :- Specification**

- Petrol driven
- up to 3000 strokes/moments
- Bar length – 60 cm
- Power output – 0.75/1.0 kw/HP
- Total length – 110 cm

**p) Earth Augurs :- Specification**

- Petrol driven
- Power output – 1.8 HP
- Bar length – 30 cm

**(Forwarding Letter of Proposer)**

**Name of Firm:**

**Address:**

**Phone No. /Mobile No.:**

To,

**The Mission Director,**  
State Horticulture Mission, Bihar  
2<sup>nd</sup> floor, Pant Bhawan,  
Bailey Road,  
Patna-800015

Sir,

Subject: **Submission of technical & financial proposal.**

In accordance with the terms & conditions of the EOI for **SUPPLY/INSTALLATION OF .....** (MENTION THE COMPONENT NAME) IN DISTRICTS OF BIHAR

I /We submit the **technical bid** containing the following documents;

1. **Authority Letter Performa given in** Annexure I)
2. **Information Sheet** Annexure II (Details of company)
3. **Details of Earnest Money** along with **Bank Draft** Annexure III(a)
4. **Details of EOI document cost and draft** (Annexure III (B), Not applicable for EOI document purchased in person)
5. **Submission of Affidavit** Annexure IV
6. **Original copy of money receipt.** (In case of purchase in person)
7. **Proof of Experience for supply/installation,** as indicated in Section 3
8. **BIS/ISO Certificate** (Photo Copy)
9. **Photocopy of Sales Tax Registration**
10. **Photocopy of Income tax PAN Card**
11. **Catalogue/Literature**(Optional)

Further, it is certified that the information furnished in this EOI documents is true and correct to the best of my/our knowledge & belief. I/we fully understand terms and conditions mentioned above and undertake to abide by the terms & conditions and rules & regulations mentioned in the EOI document.

It is also certified that the proposer has not been blacklisted by any Union or State Government department or institute in any matter and the owners or partners/ directors has never been legally prosecuted & in any legal dispute with any Union or State Government department.

Signature of Authorized Signatory

Name

Designation

Seal of the company

Dated.....

*(Letter head of the proposer)*

**AUTHORITY LETTER**

**M/s.** .....

.....  
..... (Name & address with  
telephone no. of dealer) is working with/on behalf of our company  
as our authorized representative/dealer for the State of Bihar.

**He is authorized to submit, collect & correct all  
proposal/quotation/project documents on behalf of company.**

Signature of Authorized Signatory  
Name  
Designation

Seal of the company  
Dated.....

**PROPOSER INFORMATION SHEET**

(General Information to be supplied along with the EOI)

**Date of Opening of Proposal – 21.10.2013; 04.30 p.m. (Technical)**

1. Name of the Item:

2. Name & Address of the firm/ authorized dealer,

Telephone No. :

3. (a) Sales Tax /C.S.T. Registration No. :

(b) Income Tax PAN No. :

4. Whether Service facilities available in Bihar (If yes,  
address of service center) : Yes / No

5.(a) BIS/ISO registration : Yes / No

(b) If Yes , Details

6. Address with telephone no./e-mail/web address  
where production centre(s) is situated

Certified that above information is correct in belief of my knowledge.

Signature of Authorized Signatory  
Name  
Designation

Seal of the company

Dated.....

**DETAILS OF EARNEST MONEY**

Earnest money as per details below is enclosed for the purpose of EOI for SUPPLY/INSTALLATION ..... (mention the name of component) IN DISTRICTS OF BIHAR

Bank Draft No.....

Name of the bank.....

Branch.....

Dated.....

Amount (In figures & words).....

.....

Signature of Authorized Signatory  
Name  
Designation

Seal of the company  
Dated.....

**DETAILS OF EOI DOCUMENT COST**

(Not applicable for EOI purchased in person)

EOI document cost as per details below is enclosed for the purpose of  
SUPPLY/INSTALLATION ..... (mention the  
name of component) IN DISTRICTS OF BIHAR

Bank Draft No.....

Name of the bank.....

Branch.....

Dated.....

Amount (In figures & words).....

.....

Signature of Authorized Signatory

Name

Designation

Seal of the company

Dated.....

**Submission of Affidavit (For Technical Proposal)**

(Through Notary Public on Non-Judicial stamp paper of Rs. 100.00)

- Our firm is ready to supply/install ..... (mention the name of component) as per technical specification mentioned in EOI on rate to be fixed by BHDS and providing after sales services as well as system maintenance as per NHM, CMHM and other central/state sponsored schemes norms.
- Our firm has never been blacklisted by Govt. of India or any state govt.
- No legal issues regarding supply/installation ..... (mention the name of component) is pending in any court. (If any legal issues are pending the regarding detail should be explained separately)

# **FINANCIAL PROPOSAL**

*(On Letter head of the Proposer)*

**Name of Firm:**

**Address:**

**Phone No. / Mobile No./E-mail :**

To,

**The Mission Director,**  
State Horticulture Mission, Bihar  
2<sup>nd</sup> Floor, Pant Bhawan, Bailey Road, Patna-800015

Sir,

I / we do hereby propose rates for supply/installation of .....  
(mention the name of component) in the state of Bihar in accordance with the specifications in all respects and instructions in the Annexures.

<b>Sl. No.</b>	<b>Name of the Item</b>	<b>Unit</b>	<b>Rate in Rs (In figures &amp; words both)</b>
1			
2			
3			

Rates quoted are inclusive of Taxes/Duties like Sales Tax/ VAT, excise duty, Inspection charges etc., if any.

**The rates should be quoted in Indian Rupees only**, for each item separately, both in figures and words in such a way that interpolation is not possible and all over-writings should be strictly avoided or rewritten and correction should be duly attested prior to the submission of tender. The rates should include all taxes packing costs, transportation, unloading costs at destination in all Districts in Bihar.

Signature of Authorized Signatory

Name

Designation

Seal of the company

Dated.....