

# बिहार बागवानी विकास सोसाईटी

(बिहार राज्य बागवानी मिशन)

2nd Floor, Pant Bhawan, Bailey Rd., Patna-800001, Phone+Fax : 0612-2521776, e-mail : dir-bhds-bih@nic.in, website : www.horticulture.bih.nic.in

पत्र संख्या : /NHM/BHDS/201/2017

1481

/NHM, पटना, दिनांक 25 सितम्बर, 2019

प्रेषक,

नन्द किशोर, भा०व०से०  
निदेशक उद्यान-सह-मिशन निदेशक,  
राज्य बागवानी मिशन, बिहार, पटना।

सेवा में,

उप निदेशक (सूचना),  
कृषि विभाग, बिहार, पटना।

विषय :-

बिहार बागवानी विकास सोसाईटी के अधीन एजेंसी के पंजीकरण हेतु  
Registration Notice विज्ञापन प्रकाशित कराने के संबंध में।

महाशय,

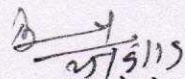
उपर्युक्त विषय के संबंध में सूचित करना है कि बिहार बागवानी विकास सोसाईटी, पटना अन्तर्गत To empanel the agencies for different components of NHM/CMHM schemes through registration under Bihar Horticulture Development Society हेतु Notice प्रकाशित कर आवेदन आमंत्रित किया जाना है। इस हेतु registration Notice विभिन्न समाचार पत्रों में प्रकाशित कराया जाना है।

तदनुसार registration Notice से संबंधित विज्ञापन की पाँच स्वच्छ टंकित प्रतियाँ सी०डी० सहित इस पत्र के साथ संलग्न कर भेजी जा रही है।

अनुरोध है कि registration Notice को विभिन्न समाचार-पत्रों में प्रकाशित कराने की कृपा की जाय।

अनुलग्नक:- यथोक्त।

विश्वासभाजन

  
(नन्द किशोर)

निदेशक उद्यान-सह-मिशन निदेशक,  
राज्य बागवानी मिशन, बिहार, पटना।



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

2<sup>nd</sup> Floor, Pant Bhawan, Bailey Road, Patna-800001, Phone & Fax 0612-2547772,  
E mail: dir-bhds-bih@nic.in, website : [horticulture.bihar.gov.in](http://horticulture.bihar.gov.in)

**Registration/Renewal Notice**

Bihar Horticulture Development Society, Patna invites application from interested company/manufacturer/suppliers/agencies/authorised dealers to empanel them under BHDS through registration/renewal procedure for Financial Year 2019-20 to assure the availability of materials/inputs/kinds for following components of NHM/CMHM schemes :-

(1)	Poly House	(8)	Honey Bee Colonies
(2)	Shadenet House	(9)	Honey Extractor with Food Grade Container
(3)	Walk in Tunnel	(10)	Plastic Crates
(4)	Plastic Tunnel	(11)	Leno Bag
(5)	Plastic Mulching	(12)	Fruit Trap BAG
(6)	INM & IPM	(13)	Input for GAP
(7)	Honey Bee Hives	(14)	Solar Micro Cool Chamber

The registration procedure/renewal of registration will start from the date of publication of this notice and will continue till March, 2020. The registration will be valid till the end of financial year. After that, it will be mandatory for the company to renew his registration for every financial year.

The application form along with terms & conditions, TOR etc. can be collected from the State Horticulture Mission Office, 2<sup>nd</sup> Floor, Pant Bhawan, Patna, Bihar 800001 during all working days from 11:00 am to 5:00 pm. It can also be downloaded from the website [horticulture.bihar.gov.in](http://horticulture.bihar.gov.in) and the filled in application form should be submitted along with all required & necessary documents in the office of Mission Director, Bihar Horticulture Development Society, Patna at any working day.

It is mandatory for the applicants to submit required registration fees for the desired components in the form of Demand Draft in favour of "Bihar Horticulture Development Society" payable at Patna.

  
Mission Director



# **Standard Operational Procedure (SOP)**

**For Registration of the  
Company/Agency for Different  
Components of NHM/CMHM  
Schemes**

**Under**

**Bihar Horticulture Development Society**

## Components Identified in NHM/CMHM Schemes for which registration of company/agency is required.

Sl. No.	Component	Unit	Unit cost as MIDH Norms (In Lakh Rs.)	Subsidy %
1	Poly house	per sqm	0.00935	50%
2	Shade net house	per sqm	0.00710	50%
3	Walk-in-tunnel	per sqm	0.00600	50%
4	Plastic tunnel	per sqm	0.00060	50%
5	Plastic mulching	per hectare	0.320	50%
6	INM& IPM	per hectare	0.04	30%
7	Honey bee hives	per Unit	0.02	50%
8	Honey bee colonies	per Unit	0.02	50%
9	Honey extractor with food grade container	per Unit	0.20	50%
10	Plastic crates	per Unit	0.004	90%
11	Leno bag	per Unit	0.0002	90%
12	Fruit trap bags	per Unit	0.0003	50%
13	Input for GAP	per Hectare	0.10	50%

## **S.O.P.**

### **To empanel the agencies for different components of NHM/CMHM schemes through registration under Bihar Horticulture Development Society :-**

For the holistic development of horticulture as well as timely and smooth execution of horticultural schemes, it is essential to empanel the competent and physically sound so many manufacturers/companies/Govt. & Non Govt. agencies/authorised dealers/registered firms under Bihar Horticulture Development Society to easy make available and installation for the factory's manufactured based kinds/inputs/materials essential for different components to the beneficiaries of the schemes on the unit cost of the components already fixed in the NHM/CMHM schemes

**Mode of Empanelment :-** Empanelment process of the competent and authentic manufacturer/companies/Govt. & Non Govt. Agencies/ Authorised dealer under BHDS will be carried out through adopting registration procedure instead of Tender Procedure and the empanelled manufacturers/companies/Govt. & Non Govt. Agencies/authorised dealers/registered firms will be act/called as 'Registered Sellers' under Bihar Horticulture Development Society for the purpose to make available the materials/kinds/inputs essential for the execution for the components in NHM/CMHM/ other schemes.

However farmers of the schemes act/called as 'Purchaser' of that kinds/inputs/materials essential for execution of the components.

### **Why not tender procedure follows to empanel the agencies :-**

- (i) Since the Unit Cost of all the components & admissible subsidy there on of NHM schemes have been fixed by the Govt. of India, which cannot be changed/disturbed at any level. Govt. of Bihar has also adopted/followed the cost norms, admissible subsidy there on and implementing guideline of NHM schemes to implement the CMHM schemes in the State. However, components of both the schemes are almost same.

So, there is no need of financials bids for that type of components in which unit cost has been fixed only for inputs/materials/kinds required for that components inclusive of all other charges e.g. installation, transportation, taxes etc.

- (ii) As per the guideline of NHM, BHDS has only responsible to identify & facilitate the competent & authentic sources for required materials/kinds/inputs essential for the components in the interest of farmers.
- (iii) BHDS will not purchase the material from the identified sources to make it available to the farmers.
- (iv) Farmers will directly purchase the materials/kinds/inputs essential for the components from the identified sources for execution of work on fixed unit

cost of the components of schemes. BHDS/DHDC only release the admissible subsidies already fixed for the components to the beneficiary after the physical verification of the farmer's field & work executed thereon.

- (v) For pursuing tender procedure, it has mandatory to prepare tender document & get approval on that from competent authority, published it in News Paper, to carry technical & financial evaluation and after that final approval has been needed on financial proceeding from competent authority, which take at least 5-6 months time, ultimately affected the progress of the schemes.

Secondarily, BFR 131 (R) (xiv) not permitted to empanel more than two suppliers for a component, which has affected the execution of the schemes in the state, because one or two agencies will have not be in position to available the component in all the 38 district in limited time and thus restricts the empanelment process.

**Provision made under BFR-131(R) (xiv) are as follows :-**

Contract should ordinarily be awarded to the lowest evaluated bidder whose bid have been found to be responsive and who is eligible and qualified to perform the contract satisfactorily as per the terms and conditions incorporated in the corresponding bidding document.

However, where the lowest acceptable bidder against adhoc requirement is not in a position to supply the full quantity required, the remaining quantity, as far as possible, be ordered from the next higher responsive bidder at the rates offered by the lowest responsive bidder.

**Aims and objectives to empanel the agencies through registrations :-**

- (i) To empanel more than two and much more competent and authentic manufacturers/companies/Govt. & Non Govt. Agencies/ Authorised Dealers/ Registered firms under BHDS for the purpose to make available kinds/inputs/materials essential for a single component.
- (ii) To make available the factory's manufactured kinds/materials/inputs required for the components in a short spell of time period to the farmers of all the districts of the state on fixed unit cost of the component.
- (iii) To create the mutual competition amongst the agencies in relation to the quality of the materials/kinds/inputs required for component.
- (iv) Farmers will be free to buy kinds/materials/inputs required for particular components from any of them "Registered Seller" to execute the schemes. Thus farmer's can able to negotiate the cost of kinds/inputs/materials required for particular components from the empanelled sellers.
- (v) To minimise the time frame in the process of empanelment.
- (vi) To save the time and expenditure, which will be occurred in advertisement in tender process.

**Components for which empanelment will be carried out by following registration procedure :-**

- Empanelment by following registration procedure of manufacturer/companies/ Govt. & Non Govt. Agencies/Authorised Dealers/Registered Firms will be carried out for that components of NHM/CMHM & other schemes only, in which unit cost have been fixed only for the materials/kinds/inputs required for the execution of the components with all other charges like installation & other charges e.g. fare, taxes etc., such as **Poly House, Shadenet House, Walk in Tunnel, Plastic Tunnel, Plastic Mulch, IPM/INM, Honey Bee Colonies (Boxes), Honey Bee Hives, Honey Extractors including food grade containers, plastic crates, Ienobags, Fruit Trap Bags, Input for GAP**, any other components/programmes as approved by Govt. from time to time.
- However in case of that components in which unit cost have been fixed together with two or more than two activities inclusive of cost of materials/kinds/inputs essential for the particular components, the empanellment process will be carried out by following **invitation proposal for rate fixation** of materials/kinds/inputs e.g. In area expansion programme the unit cost have been fixed both for purchasing planting material & IPM/INM activity, So for the rate fixation of planting material, proposal have been invited from reputed Govt. & Non Govt. Plants producing agencies/Department of Biotechnology accredited T.C. Laboratory.

**Procedure for Registration to empanel the agencies under BHDS :-**

Registration will be carried out by following steps :-

- (i) Invites application from the manufacturer/companies/Govt. & Non Govt. Agencies/ Authorised dealers/Registered firms in prescribed formate as appendix in Annexure-1
- (ii) Application for the registration should be submitted by the applicant under his seal and signature for to make available/installation of ..... (mention name of component) to the beneficiary under NHM/CMHM/Other schemes must be addressed to Mission Director, Bihar Horticulture Development Society, Patna, Directorate of Horticulture, Department of Agriculture, 2<sup>nd</sup> Floor, Pant Bhawan, Bailey Road, Patna.
- (iii) Application should be submitted online/registered post/courier/by hand with all necessary documents to be required. In case of delivery in person, the application may be submitted to Diary and Dispatch Section of BHDS.
- (iv) It is mandatory for the applicants to attach all necessary documents under his seal & signature as required for the registration with their application form (List of documents also specified/enlisted in application formate i.e. Annexure I)
- (v) It is also mandatory for the applicants to mention the components name clearly in the application form, for which they wish to register.
- (vi) Registration procedure/renewal of registration will be continued whole year in every financial year.

- (vii) The application for registration of the applicants will be evaluated by the evaluation committee, constituted at BHDS, on the basis of check list as appendixes in Annexure – II, the general terms and condition as specified in this documents and specific terms & conditions if any, of the components. Evaluation committee will also look into the compliance of specification of the component as specified in this document or under specification as notified/modified by Government time to time.
- (viii) On the recommendation of evaluation committee approval of Mission Director should be taken on file to register the applicants under BHDS for the applied year. Thus registration process will be completed. The registration of the physically sound & competent applicants will be valid only for one years.  
Any firm registered under this procedure within BHDS will be acted/called as "registered sellers" to sell the materials/kinds/inputs essential for the components to the farmers of the schemes.
- (ix) The whole process as mentioned in above clause (vii) & (viii) will be disposed within 7 working days after the date of receipt of application.
- (x) Any 'Registered Sellers' have once registered under BHDS for any particular component have no need to register them every year for that particular components. However, It will be mandatory for them to renew his firms every years for that particular components by submitting an application addressed to Mission Director & requisite registration/renewal fee to the BHDS, if they wish.  
But if 'Registered Sellers' wish to enter to sell the materials/kinds/inputs of any new component, then they have to pursue for new registration particularly for that new component by following whole registration procedure.
- (xi) Renewal of 'Registered Sellers' will be done on the basis of feedback given by the field officers.
- (xii) Any dispute, if arises between applicants & BHDS in respect of the procedure of registration, shall be settled under the terms and conditions subscribed in registration documents at the level of Agriculture Production Commissioner cum Chairman, BHDS, Department of Agriculture, Govt. of Bihar and the order of Agriculture Production Commissioner cum Chairman, BHDS, Department of Agriculture, Govt. of Bihar in this regard will be final and mandatory for both parties to obey. For this, it is mandatory for applicant to register his complaint within 15 days of the date of order passed by the Mission Director. In absence of Agriculture Production Commissioner, the Principal Secretary, Department of Agriculture, Bihar will do the same.

#### **Place for registration :-**

For the purpose of empanelment of manufacturer/companies/Govt. and Non Govt. Agencies/Authorised Dealers/ Registered firms the registration procedure will be carried out only at the office of **Mission Director, Bihar Horticulture Development Society.**

Registered Sellers within BHDS will be free to sell their materials/inputs/kinds for the components to the farmers under the scheme in all districts of Bihar.



## **GENERAL TERMS AND CONDITIONS OF REGISTRATION PROCEDURE :-**

### **1. Candidature and Eligibility Criteria for Applicants :-**

- i) Any manufacturer/producer/authorised dealers of the listed components should be applied for registration. Application for registration shall consist of all technical details with component's specification as well as commercial terms and conditions.
- ii) Manufacturer/producer must enclose manufacturing license certificate. However authorised dealers must enclose proper authorisation letter of the manufacturer company to sale their products under the scheme. Format of authority letter has been appendixes in this document as Annexure III.
- iii) Manufacturer/authorised dealer can apply to register for one or more than one components in a single application. However it is mandatory for them to enclose work experience certificate for each concerned components separately with all necessary documentary proof as mention in serial no. 12 of application format (Annexure I) and requisite registration/renewal fees separately for each components.
- iv) All the documents attached with the application should be signed by the authorised 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. It is mandatory for applicant to mention serial number on each page of documents enclosed.
- v) Application submitted without relevant paper/documents or incompletely filled or conditional will be rejected.
- vi) The application of all such applicants who had faced serious complaints about their past work will get rejected.
- vii) Complete details of the firms including full office address, Telephone no./Mobile No./E-mail ID of the applicant must be mentioned in their application.
- viii) Brand name/specification/warranty period of each component must be mentioned in application format or enclosed with application.
- ix) **ISO/BIS certification :-** The details regarding ISO/BIS certification has been specified in serial no. 9 of application format (Annexure I).
- x) **Annual turnover :-** The annual turnover of the firms for the last two years must not be less than Rs. 50 lakhs for each year. Details of documents to be attached regarding annual turnover have been specified in serial no. 11 of the application format (Annexure I).
- xi) **Sales Tax Registration :-** The firm should furnish a copy of sales tax registration / TIN / VAT / GST with their application. Details of documents to be attached have been mentioned in Sl. No. 13 of application format (Annexure I).

- xii) **Work Experience :-** Work experience of the firm in concerned field should not be less than two years. Details of documents to be attached in respect of work experience have been mentioned in serial no. 12 of the application format (Annexure I)
- xiii) **Office/Godown/After Sale Service :-** Applicant's office/godown/after sale service should be established in Bihar state. Address of the premises with contact person's name and contact number must be mentioned.
- xiv) Office/Godown/After Sale Service/Manufacturing Unit/Authorised Dealers Point may be inspected before the approval for registration as and when Mission Director, BHDS feels necessary to ensure the performance and quality specification mentioned in the proposal.
- xv) **Registration/renewal fees :-** Annual registration/renewal fee will be Rs. 5000/- (Five Thousand) separately for each of the components like - Lenobag, Plastic Tunnels and Fruit Trap Bag. However it will be Rs. 25,000/- (Twenty Five Thousand) separately for rest of the each components mentioned in this SOP.
  - a) The registration/renewal fee will be in form of DD payable to Mission Director, Bihar Horticulture Development Society payable at Patna.
  - b) Registration/renewal fee will be non refundable.
  - c) Applicants have to submit registration fees at the time of registration only for that year. However they have to submit annual renewal fees every year if they wish to renew their registration.
- xvi) **Performance Security Deposit :-** The performance security deposit will be equal to the five percent of the total cost of the work order of the component as allotted by concerned Assistant Director Horticulture.
  - a) It will be mandatory to the registered seller to submit performance security deposit in the form of DD/BG/FDR in the office of concerned Assistant Director Horticulture from whom they get the work order.
  - b) It will be mandatory for the Assistant Director Horticulture to secure the performance security deposit in the interest of farmers and it will be intimated to the Mission Director.
- xvii) **Sale Point :-** The registered seller shall have to make available the material/kinds/inputs at the sale point as identified by ADH of the different districts of the state. All the charges such as octroi, packing, forwarding, freight, insurance loading and unloading, clearance etc. will be borne by the registered seller.
- xviii) **Cost of the Materials/Kinds/Inputs :-** The cost of the material/kinds/inputs will not be more than the unit cost of the concerned components already fixed by the Govt. of India for that component.
  - a) No claim will be entertained afterwards for any increase in the market price or otherwise.
- xix) **Stock :-** It will be mandatory for Registered seller to declare their stocks of the material/kinds/inputs on their sale point and reported it to the concerned ADH.
  - a) It will be also mandatory for seller to maintain the stock book.

- b) It will be mandatory for ADH to verify the stock book time to time.
- c) Seller have to sell their stocks on own capacity to the farmers of the schemes. BHDS/DHDC will not be responsible to absorb their stock.
- xx) **Blacklisting :-** Failure to supply standard materials as per the specification shall result in forfeiture of EMD, blacklisting and legal action against the registered seller.
  - a) The applicant shall submit an affidavit in this regards from notary that the company has not been blacklisted by any State Govt./Union Govt. or Organisation. Format of affidavit has been appendixes in this documents as Annexure IV.
- xx) **Payment :-** Payment against cost of sold material will be borne by purchaser. However DHDC will only release admissible subsidy under DBT programme on the basis of total quantity found with beneficiary farmers during physical verification.
- xxi) The registration will be subjected to conditions of guidelines issued by Government of India/Government of Bihar /State Horticulture Mission from time to time.
- xxii) These guidelines are available at [www.horticulture.bih.nic.in](http://www.horticulture.bih.nic.in)
- xxiii) Participation in for the empanelment will automatically imply the acceptance, on part of the participating Government Agency/Firm/Company, of all the terms and conditions for registration.
- xxiv) It is necessary for qualified firms to produce the sample of components to the BHDS.
- xxv) Mission Director, BHDS, Patna reserves the right to reject/cancel the registration of firm at any time, if he/she is satisfied that it is desirable to do so in farmers interest after giving an opportunity for correcting error. The decision of Mission Director, BHDS, Patna shall be final and binding.
- xxvi) **Any dispute :-** The purchaser and the registered seller shall make every effort to resolve amicably by direct negotiation, in case of any disagreement or dispute arising between them under or in connection with the purchase, shall be settled under the Court of Law within its jurisdiction at concerned district headquarter.
  - a) Any legal dispute if arises between applicant firms and BHDS, will be settled at Patna Jurisdiction only.



## SPECIFICATIONS OF COMPONENTS

### 1. POLY HOUSE

#### Tubular Structure

- **Height**
- Upto 250 sqm. – 3.5 to 4.5 m.
- Large size – 5.5 to 6.5 m.
- 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.
- Drip Irrigation System with fogging & misting facility :- Drip irrigation system under greenhouse need to be selected on the basis of crop spacing (design on spacing 45cm x 45 cm) along with fogging and misting facilities. The spacing considered for calculation The suggested bill of materials are Sand Filter 5 m<sup>3</sup>/hr, Screen Filter 10 m<sup>3</sup>/hr, Control valve 63 mm, control Valve 50mm, By-pass Assembly 1.5", Air Release Valve 1", Non Return Valve 1.5" Throttle Valve 1.5", Flush Valve 50mm, Venturi 1.5" Assembly with manifold, PVC pipe 63 mm/6 kg cm<sup>2</sup>, PVC pipe 50 mm/6kg/cm<sup>2</sup>, PE plane lateral 16 mm, emitting pipe lateral 16mm- @ 0.45m spacing, hanging type micro sprinkler nozzle (four-way take off assembly) for very fine water particles (foggers & mister) to be fixed in PE pipe of diameter 16mm, Water tank of capacity 5000 liter and fittings & accessories.
- Footpath :- 1m wide and 10 cm thick footpaths should be provided in the centre (length x width) & made of cement concrete ratio of 1:2:4.
- Curtain wall/ Apron 22cm brick wall of 1m height (24cm below and 80 cm above ground level on all the four sides. The wall needs to be plastered and water proofing cement with 1:6 ratio.
- Warranty :- Free maintenance for one year from the date of installation.
- Training :- Free Training for operation, maintenance & production for one year.
- Testing :- All plastic materials used in the greenhouse should be tested by the CIPET for quality assurance (if necessary).

## 2. SHADE NET HOUSE

### Tubular Structure

- Height – 4 m.
- 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 coild 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** - Shadenet confirming BIS standard 16008:2012
- 50 % of the side
  - 35 % fixed on top
  - 50 % movable on top from centre
- Colour – Green or White

### **3. WALK IN TUNNEL**

- Designed to with stand wind up to 120 km/hr and trellising loads up to 25kg/m<sup>2</sup>.
- Structure gable configuration can be 8 meters or 10 meters wide.
- Height reaches 4.10 meter (2" GI pipe OD) for 8 meters and 450 meters (3" GI pipe OD) for 10 meters.
- Option for vertical curtains (2 meter long) on tunnel side walls.



- 2 or 3 meter height.
- Pole to Pole distances 2.5 meters.
- Gladding :- Roof & side covers by 200 micron poly film UV stabiliser.
- Rest other specification as per poly house/green house.

#### **4. PLASTIC TUNNEL**

- HDPE/PVC pipes of one inch diameter & 2 meter in length.
- Transparent LDPE films of 25-50 micron having 2 meter width.
- 50cm long with 6mm diameter GI micron in which peg to be made.
- 2 No. of poles having 5 cm diameter.
- Twin poly propylene (PP) ropes.

#### **5. PLASTIC MULCH**

- Sheet should be of 25 micron.
- Colour :- One side black and other side white.

#### **6. HONEY BEE BOX/COLONY & HONEY BEE HIVES**

##### **i) HONEY BEE BOX/Colony**

- Size-
- Length - 20 ¼ inches.
- Width - 16 ¼ inches.
- Complete set of Honey boxes will consists of
- Floor sheet.
- Infant part.
- Honey part.
- Migration net.
- Thin cover.
- Hard cover.
- Eight frame.
- Stands for box 4" high below the box.
- Set of accessory useful tools

##### **ii) HONEY BEE HIVES**

- Eight frames with Queen, Drone and Soldier.
- Inner wall of all eight frames should be fully covered with bees and eggs.
- wax – 1 kg.
- Stand for box @ 4 inches high below the box.
- Set of tools.

#### **7. HONEY EXTRACTOR CUM FOOD GRADE CONTAINER IN TWO NUMBER :-**

- Honey Extractor – 4 frame.

##### **Size-**

- Length - 36 inches.
- Width - 30 inches.
- Food grade container – 30 k.g. net.

**8. PLASTIC CRATES :-**

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

**9. LENO BAGS :-**

- Leno Bags – Branded

**10. FRUIT TRAP BAG :-**

- Medicated bag as recommended by Plant Protection Department to prevent fruit fly infestation.

**11. IPM/INM :-**

- IPM/INM – As per specifications mentioned in the guideline of NHM.

## SPECIFIC TERMS AND CONDITIONS

### A) **Selling Materials & Installation of Poly House, Shade net house, Walk in tunnel, Plastic tunnel, Plastic mulching**

1. **“Manufactures/Suppliers for Poly House/Shade Net House, Walk-in-tunnel, Plastic tunnel and Plastic mulching”** means the providers of all the specified components/ materials along with installation to the cultivators.
2. The Registration of manufactures/Suppliers for Poly House, Shade net house, Walk in tunnel, Plastic tunnel and Plastic mulching is mandatory for availing the subsidy by farmers under the schemes as per Govt. norms.
3. The Registration is for the supply and complete installation of **Poly houses/Shade net houses, Walk-in-tunnel, Plastic tunnel and plastic mulching to the cultivators and not for the supply of individual components/materials of the above structures.**
4. The Poly houses/Shade net houses/Walk-in-tunnel/Plastic tunnel/plastic mulching must conform to the specification approved by NCPAH.
5. If there will be amendments in guideline during the period of registration by the NCPAH, the agency shall follow the same.
6. The agency shall take project approval containing details like type of structure, area, design to be adopted, cost of project, tentative bill of materials etc. from the authority for each individual project.
7. All the materials required for the installation of Poly houses/Shade net houses/Walk-in-tunnel/Plastic tunnel/plastic mulching must conform to the relevant BIS standards and/or the specifications of NCPAH.
8. The manufactures/suppliers must arrange at least one service center in the state of Bihar.
9. The invoices in respect of supply of Poly houses/Shade net houses/Walk-in-tunnel/Plastic tunnel/plastic mulching including installation shall be raised by the **registered manufactures/suppliers only**. However they may take up the work with local sub-contractor/suppliers if any, authorized by registered manufactures/suppliers for civil material & installation & transport work, for the purpose of construction, but the entire responsibility of billing and supply of quality material, design, quality of construction, transportation etc. lies **with registered manufactures/suppliers only**.
10. The manufactures/Suppliers shall undertake the responsibility/guarantee/warranty of different components for the installation work.
11. The manufactures/suppliers shall undertake to provide guarantee/warranty as below.
  - a) **Cladding material (Poly film, all types of Net and Fabric):** 3 (three) years warranty against manufacturing defects on pro-rata basis.(excluding the natural calamities, vandalism and any other forced action).



- b) **Structure:** Three Years warranty (i.e repairs) against natural wear and tear (excluding the natural calamities, vandalism and any other forced action) The decision of Director Horticulture, Gov. of Bihar shall be final in this regard.
- c) **Insurance:** The manufactures/suppliers shall undertake the responsibility of insurance if applicable in the state. Insurance cost will be borne by the beneficiary and submit the insurance certificate to the farmers with intimation to Asst. Director of Horticulture concerned.
12. The manufactures/suppliers must undertake to supply/install the structures at the rates equal to (or) less than the rate/unit cost as specified in MIDH guidelines.
13. The subsidy components will be released in 2 installments in such a way that, the 1<sup>st</sup> installment i.e.,50% subsidy amount will be released under DBT programme soon after completion of erection of the structure (without sheet laying and installation of MI system) on receipt of inspection report along with digital photos and the 2<sup>nd</sup> installment will be released under the DBT programme after completion of structure in all respects on receipt of Joint Inspection Report with digital photos by the technical committee at district level. The committee will comprise of ADH, PD (Atma) and scientist from KVK.
14. If Manufactures/suppliers will not follow the specific terms & conditions mentioned in the Para No. 9,10 &11, then the entire deposit amount will be adjusted into Government account besides black listing of such manufacture/supplier.
15. The Manufactures/ suppliers has to abide by the inspection report of the Department and shall abide by its recommendations.
16. For the successful implementation of the project and to ensure envisaged benefits out of the project, the agency shall provide operational training an agronomy services related with Poly houses/Shade net houses/Walk-in-tunnel/Plastic tunnel/plastic mulching cultivation technology to the beneficiary. The duration of agronomy services will be for three years after the project completion date.
17. The agronomy services to be provided by the agency must include the advise for selection of crop, variety of seeds and other related agriculture inputs and also advise for taking best crop based on the prevailing market condition with an objective to maximize the earning of farmer. However, the decision regarding the selection of crop should be taken by farmer.
18. The Manufactures/ suppliers has to demonstrate the functioning of spinners/foggers/drip irrigation etc. to the beneficiary before taking signature of the beneficiary on satisfaction report. The Manufacture/ Supplier has to educated the farmer on do's and don'ts of operation of the structures in writing in Hindi.
19. The Loading, un-loading, handling charges shall be borne by the supplier.

20. The Manufactures/ suppliers shall provide detailed operational maintenance manuals, parts catalogue (in the local language) at the time of Supply of the material to the beneficiary.
21. **Service Centre** : The service center must fulfill the following conditions :-
- a) The service center should be manned with at least two technical persons; one of them must be an Agricultural Engineer with minimum qualification of B. Tech (Agricultural Engineering).
  - b) The technical person other than Agricultural Engineer, should have well experience/completed for the installation of Poly house/ Net House **At least one "service center" shall be located in the State of Bihar.**
  - c) The service center must provide free after sales service to the farmers for at least Three year. This may exclude the material cost, transportation of material and installation cost.
  - d) The service center shall also provide the service as per clause (11) above of these terms and conditions.
  - e) Service center shall maintain the list of farmers covered under the schemes.
  - f) Service center shall maintain the complaint registers.
  - g) Service center should be able to supply spare parts if any to the farmers on cost basis after completion of warranty.
  - h) It will be the responsibility of the manufacturer/supplier to see that the service center is functional around the year and grievances/complaints of cultivators/farmers are solved within one week after receiving written complaints.
  - i) The service center must be equipped with the communication facilities such as phone, internet/e-mail etc.
24. The firm or contractor deemed to be indulged in unfair business practice such as delay in erection, erection of Poly house structure with a faulty design and supply of sub-standard material, and deficiency in after sale service, penalty will be imposed as decided by the Mission Director, State Horticulture Mission, Bihar as the case may be.

## **B. Honey Bee Colonies and LS Bee Hives**

1. The supplying firm should have valid registration with competent authority.
2. Bee Hives shall be of BIS/ISO standards as defined/set by Govt. of India.
3. Bee Colonies should be healthy, insect free, disease free and white in color.
4. Size of Bee boxes will depend upon the strength of the colony that may be according to BIS specifications. However, size should be length –20 ¼ inches, width – 16 ¼ inches.
5. Complete set of Honey bee boxes (Colony) will consists of Floor sheet, Infant part, Honey part, Migration net, Thin cover, Hard cover, Eight frame, Stands for box 4" high below the box, set of accessories/useful tools

6. Bee Colonies of *Apis mellifera* should have at least one new and healthy queen, one frame of brood, one frame of honey and one frame of eggs/larva.
7. Honey bee hives will include eight frames with queen, drone and soldier, inner wall of all eight frames should be fully covered with bees and eggs, wax-1 kg., stand for box @ 4 inches high below the box, set of tools.
8. Honey Extractor will include-
  - a) Honey Extractor- 4 frame size in length 36 inches and width 30 inches.
  - b) Food grade container in two number of 30 kg. net.
9. Samples of LS Bee Hives will have to bring up at the time of registration.
10. Suppliers shall be responsible of quality and quantity of the material. Manufactures must mention clearly the type of wood.
11. Before registration of the LS Bee Hives manufacturing unit and suppliers of honey Bee colonies shall be visited and to be inspected by a team of experts if it seems needed.

**Application Format for Registration**

Sl. No.	Particulars		Document enclosed (Yes/No)
1	Name of the component/components for registration :		
2	Componentwise brand name/technical specification/ warranty period. (Attach separate sheet if needed) :		
3	Name of the Companies/Agencies/Authorised Dealers/Registered Firms :		
4	Complete mailing address with contact No. & E-mail ID :		
5	Details of Bank Account :		
6	If the company/firm/agency is self manufacturer, mention manufacturing License No. (Enclose registration certificate) <b>or</b> if the Company/Firm/Agency is not self manufacturer, mention the name and address of the manufacturing company whose materials they will supply. (Enclose authorization letter) :		
7	PAN No. :		
8	Sales Tax No. (TIN) :		
9	Details of ISO/BIS certificate if needed for the material to be supplied <b>or</b> if ISO/BIS certificate is not needed. Mention details of quality test Report. (Enclose quality test report of reputed lab/ institution) :		
10	Address with contact person and contact no. of office/godown/after-sale-service centre located in Bihar State :		
11	Annual turnover of the last two years. [there must be a minimum annual turnover of Rs. 50,00,000/- (Fifty Lakhs) in one year.] (Enclose copy of PAN card, IT returns of the last two years, Audited balance sheet/certificate by CA, Bank transaction certificate relating to the materials to be supplied) :		
12	Experience (Not less than two years) (Enclose the self attested copies of the following as proof :- 1. Work order from Govt./Non-Govt. institution/ individual farmer. 2. Related invoice/Bill/voucher. 3. Related payment proof.		



13	<p>Details of TIN-VAT/GST registration.</p> <p>i. Registration with Bihar commercial taxes Department is mandatory, if any firm registered with commercial tax department of other state has to be registered with BCTD within three months from the date of registration, otherwise, it will get cancelled.</p> <p>ii. The above clause (i) is mandatory for the firm registered under CST.</p> <p>iii. Proof of sale tax returns of the last two years.</p>		
14	Details of present stock of materials of the component :		
15	Details of registration/renewal fee (i) DD of Rs. 5,000/- (Five thousand) each for Lenobag, Plastic tunnel and Fruit trap bag and (ii) DD of Rs. 25,000/- (Twenty five thousand) for rest of the component mentioned in SOP. Each item separately payable to Mission Director, Bihar Horticulture Development Society at Patna).		
16	Details of performance security deposit. [DD/BG/FDR of the amount equal to 5% of the total value of the work allotted payable to concerned Assistant Director Horticulture. Performance security deposit will be paid after getting work order from the Assistant Director Horticulture of the district, which will be returned to agency after three years on the basis on satisfactory quality of material/service provided.		
17	Details of district wise dealers network. (if any)		

**Note :-**

1. I accept all the terms and conditions mentioned in the document to be registered with BHDS.
2. I hereby certify that all the information mentioned above are true and in case any information is found to be incorrect, my application may be treated as rejected by BHDS.

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Seal : \_\_\_\_\_

Place : \_\_\_\_\_

Date : \_\_\_\_\_

**CHECK LIST**

<b>Sl. No.</b>	<b>Attached Document</b>
1	Dully filled-in Application form in prescribed format.
2	Manufacturing license / Registration from competent Institution/Authorization letter from the manufacturing company
3	ISO/BIS Certificate or Quality test report.
4	Photo copy of PAN card.
5	Photo copy of sales tax registration. (TIN no./VAT/GST).
6	Registration fee.
7	For proof of annual turnover the last two years. (a) Copy of ITR for the last two years. (b) Copy of Audited balance sheet/certificate by CA. (c) Copy of Bank Statement for the last two years.
8	Proof of work experience (a) Work order from Govt./Non-Govt. institution/ individual farmer (b) Related invoice/Bill/voucher (c) Related payment proof
9	Proof of sale-tax returns of the last two preceding years.
10	Affidavit as per Annexure IV
11	Self Declaration regarding the specification of the components.
12	Proof of Office/Godown/After sale service situated in Bihar, with full address contact person's name & contact number

**FORMAT OF AUTHORITY LETTER**

***(Letter head of the proposer)***

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.

**Seal of the company**

Dated.....

**Signature of Authorized Signatory**

Name –

Designation –

**Format of Affidavit**

**(Through notary public or executive magistrate on stamped paper of Rs. 500)**

I/we \_\_\_\_\_ (Post name) competent authority of \_\_\_\_\_  
(Company/firm/agency name) \_\_\_\_\_ do hereby solemnly affirm and declare as follows :

1. That I/we have read and understood the terms and conditions for being registered.
2. That our firm will obey all the terms and conditions to make available materials/installation of the components.
3. That our firm will be bounded to make available/install \_\_\_\_\_ (Mention the name of component) as per technical specification fixed time to time by the competent authority on the cost equal to or less than the Unit cost of the components already fixed in the NHM/CMHM schemes.
4. That our firm will provide operational training and agronomical advise as per the terms and conditions with printed materials in local language.
5. That our firm will provide after sale service to the beneficiary.
6. That our firm will use BIS/ISO embossed material, if it is covered under BIS/ISO standards.
7. That in case of structure damaged by natural disaster, if farmers bear the cost of material required, our firm will provide technical and non technical services free of cost for restructuring the structure.
8. That our firm will inform SHM, Bihar about the materials delivered time to time in Bihar stock point.
9. That our firm has never been blacklisted/debarred by Govt. of India or any state Govt./any institution.
10. That no legal issues regarding supply/installation \_\_\_\_\_ (Mention the name of component) is pending in any court. (If any legal issues are pending, the details should be explained separately)
11. That if BHDS will get any information regarding blacklisting by any institution against our firm, BHDS is free to impose penalty and take legal action against our firm.

Place :  
Date :

**Signature of the applicant**  
with seal of firm