DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA

2017-18

TENDER FORM FOR

ERECTION OF PROTECTED STRUCTURES (POLYHOUSE, NET HOUSES AND INSECT PROOF NET HOUSE)FOR HI-TECH HORTICULTURE

Chairman

Committee for Development of Hi- Tech Horticulture
& Head, Department of Horticulture, Dr. PDKV., Akola

Department of Horticulture,
Dr. PDKV., Akola (M.S.)

TENDER FORM FOR

ERECTION OF PROTECTED STRUCTURES FOR HI-TECH HORTICULTURE

Department of Horticulture, Dr. PDKV., Akola

To,
Chairman
Committee for Development of Hi- Tech Horticulture
& Head, Department of Horticulture, Dr. PDKV., Akola

Dear Sir,

1. In response to the tender notice published in the daily newspaper _____ dated _____ th _____I/We submit herewith the tender form for erection of protected structure (polyhouses, net houses and insect net proof houses).
2. I/We have thoroughly examined and understood the General and specified terms and conditions of the tender form and I/We agree to abide by them in toto and in testimony I had signed the declaration and undertaking.
3. I/We agreed to erect polyhouses, net houses and insect net houses and accordingly have quoted the rates inclusive of all taxes, freight, etc as given in Appendix-II.
4. I/We shall be bound by communication of acceptance of the offer, dispatched within prescribed time.
5. I/We accept that the right to accept or reject whole or part of the tender without assigning any reason is reserved with the Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola . The decision of the chairman of committee will be final and shall be binding on me/us.
6. Online payment fee of tender fee and EMD for Erection of Protected structure (polyhouse, net houses and insect net house) done
7. I/We agree for erection of protected structures (polyhouses, net houses and insect net proof houses)as per the specifications of the final orders for the period specified in special conditions of the concerned activity.
8. As per the terms and conditions, we are submitting our offer in two envelopes. The documents as per Appendix – I are enclosed in envelop no. 1. (Technical envelope) along with DD of EMD. The envelope no.-2, (Commercial envelope) contains rates quoted by me/us.

Signature of Tenderer

9. I/We also agree that Chairman of committee has full rights to open/consider the commercial envelope only, if chairman is satisfied with contents in Technical envelope. The decision of the chairman regarding this will be final and binding on me/us.

10. I/We hereby declare that the entries made in this tender form and enclosed draft of agree …… on apex are binding for me/us. To facilitate checking and as a step for ensuing that all documents are enclosed. I have numbered all documents and attested copies. As provided in this tender I have filled relevant entries in the checklist provided along-with this form & same is enclosed in Technical envelope.

11. Committee will open both the envelopes simultaneously but if the documents and EMD are not as per the terms and conditions then offer will not be considered.

The following documents duly filled in and signed, are enclosed along-with the tender.

Enclosures :

1) Envelop No. 1 (Appendix-I Part- I,II, III, along with Checklist and declaration)
2) Envelop No. 2 (Appendix II)

Place _____ Yours faithfully,

Date _____

Name and Signature of
the Tenderer/Contractor

Phone No. _____ Mob. _____

Paste recent passport size photograph with signature

Appendix – I (Part-I)

(This should be enclosed in envelope No. 1)

CHECKLIST MUST BE FILLED BY THE TENDERER

The documents enclosed with tender form are as listed below. Any omission makes the tender liable for rejection. Before sealing the tender please check up each item and score at the appropriate place with YES or NO. You must also quote the relevant page number. You may attach other information also but state in the list after numbering the same pages.

Sr. No.	Details	Whether Attached	Page No.
1	Online payment receipt of EMD and tender fee form	Yes / No	
2	Company profile, Information booklet if any	Yes / No	
3	Documents in support to reveal capacity to supply the material	Yes / No	
4	Identity Card and address proof	Yes / No	
5	Envelop 1 (Appendix – I, Part I, II, III and IV)	Yes/No	
6	Envelop 2 (Appendix-II for erection of protected structures (polyhouses, net houses and insect net proof houses)with specification	Yes/No	

The above details have been checked and found correct.

Place:

Date:

(Official Seal)

Signature of Tenderer

Appendix – I (Part –II)

"DECLARATION OF THE TENDERER"

1) That I / We _____ am / are the authorized nominee(s) of the firm _____ hereby submit tender to the University for the Erection of Protected structure (polyhouse, net houses and insect net house) to Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola.
2) I am to state that the information provided in the tender form is true and correct
3) I / We may be punished as per law for any wrong information, misleading facts provided in the tender form besides rejection of my / our tender.
4) In case of any dispute, the Jurisdiction will be Akola only.
5) I / We have carefully read all the general and specific terms and conditions of the tender and I solemnly declare that the same are acceptable to me/us and binding on me/us.

_____

Place: Signature of Tenderer:

Date:

Name of Tenderer: _____

Capacity in which signed : _____

Full address of the Tenderer : _____
With seal & stamp :
(Attach Identity card Xerox) _____

Phone No. : _____

Mobile No. : _____

APPENDIX I (PART – III)

Terms and Conditions for e- tenderers (Erection of Protected structures (polyhouses, net houses and insect proof net houses).

1. a) The e-tenders are invited from different firms/ Manufacturers/ suppliers bid system to Erection of protected structure (polyhouses, net houses and insect proof net houses) with full facilities as per specification. Tender form will be available online and tender document can **down load from website mahatender.gov.in and www.pdkv.ac.in**.
2. The e-tender form will be accepted during working hours on any working day and latest **up to 5 p.m. on 09.03.2018** at C/o Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola and will be opened on **the 12.3.2018 (if possible) at 11.00 a.m**. in the o/o Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola in presence of members of Tender Committee and intending bidders who desires to attend. Only bidder or his representative will be allowed to remain present on production of Identity Card.
3. Tenders received late will not be considered. In case tenders are sent by Registered post, it shall be the responsibility of intending Tenderer to ensure that they are received before closing hours.
4. **Tenderer (s) must sign with seal on each page failing which Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola /University may reject tender in toto.**
5. The rates submission on PTF (Plain Tender form) costing Rs. **5000**/- is mandatory and PTF should be purchased in the name of such firm who is expected to use it. Otherwise his tender form will be rejected.
6. If any dispute arises in this regard, then Tenderer can submit his appeal before Grievance Committee. The decision of Professor of Horticulture will be final and binding on Tenderers.

7. (a) Online payment of E. M. D. **Rs. 55,000/-** (Rs Fifty five thousand only). No interest shall be paid on EMD.

7(b) Tenderer shall have to produce the certificate of Manufacture or dealership should be attached with document of envelope No.1.

8. The Tenderer must submit Appendix II in commercial envelope with superscription of the material. **Envelop 1 and 2 should be enclosed in third Envelope with the same superscription.**

Signature of Tenderer

9. A Tenderer will not be permitted to withdraw or modify or amend the contents of the tender once submitted.

10. **In case of poor response from the tenderers, the decision of Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola will be final.**

11. The e-tender form **without E.M.D. will not be considered at all.**

12. The EMD amount of the bidder will be retained till the finalization of activity.

13. The Tenderer will be informed about the acceptance, if his/her tender is approved by the competent authority.

14. The Specimen of "**Agreement Bond**" will be provided along with office order to the tenderers whose rates are accepted by the Competent authority . **The Tenderer shall have to execute agreement in the prescribed form on Government Court Fee stamp paper costing to Rs. 100/- which should be submitted to this office within 7 days from the date of issue of order.** The agreement received with seal and signature of Tenderers will become Legal Agreement between the Tenderers and the University, which will be binding on both parties.

15. This contract will be governed as per terms and conditions mentioned in the Agreement. Delay in execution within the prescribed time limit, making of facilities not upto the standard specification, and or non-observance or non-acceptance of these terms and conditions by the Tenderers, shall constitute **breach of contract** and the EMD deposited by the tenderer shall be forfeited by the Professor of Horticulture.

16. The firm who make any undue effort to bring the pressure from outside or from any University authority will be liable for outright rejection. AND WILL BE BLACKLISTED FOR EVER.

17. **The Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola reserves the right to accept or reject any or all the offers without assigning any reason.**

18. The terms of the installation and supply of the material within one month from the date of issue of the supply order and F.O.R. at university jurisdiction.

19. **On the Basis of Technical feasibility, tender will be accepted.**

Signature of Tenderer

Appendix – I (Part –IV)
"DECLARATION OF THE TENDERER"

1) That I / We _____ am / are the authorized nominee(s) of the firm _____ hereby submit e-tender to the University for Erection of protected structures (polyhouses, net houses and insect proof net houses). I am to state that the information provided in the tender form is true and correct.

2) I / We may be punished as per law for any wrong information, misleading facts provided in the tender form besides rejection of my / our tender.

3) In case of any dispute, the Jurisdiction will be Akola only.

4) I / We have carefully read all terms and conditions of the tender and I solemnly declare that the same are acceptable to me/us and binding on me/us.

_____

Place: Signature of Tenderer:

Date:

Name of Tenderer : _____

Capacity in which signed : _____

Full address of the Tenderer : _____
With seal & stamp :

(Attach Identity card Xerox) : _____

Phone No. : _____

Mobile No. : _____

Item wise detailed of technical specification (Item no 1 to 12)

Item No 1 : Polyhouse model (Fan and pad cooling) (500 sqm)	
Technical specifications of Polyhouse -500 model	
Model	Polyhouse-500 (dome shape)
Structural material	G.I. Pipes
Dimensions	**18 m x 28 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**500 sqm approx**

a)	**Details of Polyhouse (Fan and Pad cooling) unit**
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade Net (50 % UV Stabilized Green/ alluminated)
5	Fixing of UV Film and Shade Net(Along with All Accessories)
6	Industrial Fans (Size 1250mm(48") , Single/three phase, speed 460 rpm)
7	Cellulose Cooling Pads(thickness100 mm, 1.2m Height with aluminum Frame and other Accessories)
8	Water Circulating System (PVC tank 1000 lits. , Circulating Pump 1.5 hp)
9	Fogging system (Micro Fogger hanging type , Nozzles 28 LPH each, lateral pipe 16 mm LDPE, filter)
10	Control head for water circulating system
11	Climate Controller
12	Panel Box
13	Civil Work Brick wall below Fans & Pads
14	Providing And Laying CC M15(1:2:4) below foundation
15	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
b)	**Micro Sprinkler system (Optional)**
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from polyhouses.

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Item No 2: Polyhouse model (Fan and pad cooling) (1000 sqm)	
Technical specifications of Polyhouse -1000 model	
Model	Polyhouse-1000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**28 m x 36 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**1000 sqm approx**

	Details of Polyhouse (Fan and Pad cooling) unit
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade Net (50 % UV Stabilized Green /alluminated)
5	Fixing of UV Film and Shade Net(Along with All Accessories)
6	Industrial Fans (Size 1250mm(48") , Single/three phase, speed 460 rpm)
7	Cellulose Cooling Pads(thickness100 mm, 1.2m Height with aluminum Frame and other Accessories)
8	Water Circulating System (PVC tank 1000 lits. , Circulating Pump 1.5 hp)
9	Fogging system (Micro Fogger hanging type , Nozzles 28 LPH each, lateral pipe 16 mm LDPE, filter)
10	Control head for water circulating system
11	Climate Controller
12	Panel Box
13	Civil Work Brick wall below Fans & Pads
14	Providing And Laying CC M15(1:2:4) below foundation
15	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
	Micro Sprinkler system (Optional)
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from polyhouses.

Item No 3 : Polyhouse model (Fan and pad cooling) (2000 sqm)	
Technical specifications of Polyhouse -2000 model	
Model	Polyhouse-2000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**42 m x 48 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**2000 sqm approx**

A	**Details of Polyhouse House model**
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade Net (50 % UV Stabilized Green/ alluminated)
5	Fixing of UV Film and Shade Net(Along with All Accessories)
6	Industrial Fans (Size 1250mm(48") , Single/three phase, speed 460 rpm)
7	Cellulose Cooling Pads(thickness100 mm, 1.2m Height with aluminum Frame and other Accessories)
8	Water Circulating System (PVC tank 1000 lits. , Circulating Pump 1.5 hp)
9	Fogging system (Micro Fogger hanging type , Nozzles 28 LPH each, lateral pipe 16 mm LDPE, filter)
10	Control head for water circulating system
11	Climate Controller
12	Panel Box
13	Civil Work Brick wall below Fans & Pads
14	Providing And Laying CC M15(1:2:4) below foundation
15	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
B	**Micro Sprinkler system (Optional)**
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from polyhouses.

Item No 4 : Natural Ventilated Polyhouse House models (500 sqm)	
The detail of technical specifications of Natural Ventilated Polyhouse -500 model	
Model	Natural Ventilated Polyhouse-500 (dome shape)
Structural material	G.I. Pipes
Dimensions	**18 m x 28 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**500 Sqm approx**

A	**Details of Natural Ventilated Polyhouse House model**
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade net (50 % UV Stabilized Green/ alluminated)
5	Fixing of UV film and Shade Net (Along with All Accessories)
6	Civil Work Brick wall below Fans & Pads
7	Providing And Laying CC M15(1:2:4) below foundation
B	**Micro Sprinkler system (Optional)**
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from NV polyhouses.

Item No 5 :Natural Ventilated Polyhouse model (1000 sqm)	
The detail of technical specifications of Natural Ventilated Polyhouse -1000 model	
Model	Natural Ventilated Polyhouse-1000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**28 m x 36 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m = 5 Sqm
Height	4.5 m at center and 4 m along side
Size	**1000 Sqm approx**

A	**Details of Natural Ventilated Polyhouse House model**
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade net (50 % UV Stabilized Green/ alluminated)
5	Fixing of UV film and Shade Net (Along with All Accessories)
6	Civil Work Brick wall below Fans & Pads
7	Providing And Laying CC M15(1:2:4) below foundation
B	**Micro Sprinkler system (Optional)**
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from NV polyhouses.

Item No 6 :Natural Ventilated Polyhouse models (2000 sqm)	
The detail of technical specifications of Natural Ventilated Polyhouse -2000 model	
Model	Natural Ventilated Polyhouse-2000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**42 m x 48 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**2000 Sqm approx**

A	**Details of Natural Ventilated Polyhouse model**
1	GI Pipes (including round pipe 76 mm, 60 mm, 50 mm, 48 mm ISI Mark, for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	UV Film (200 Micron fix with aluminum strip)
3	Gutter (Trapezoidal shape, Using GI Sheet 1 mm Thick, Slope 1.0-1.5 %)
4	Shade net (50 % UV Stabilized Green/ alluminated)
5	Fixing of UV film and Shade Net (Along with All Accessories)
6	Civil Work Brick wall below Fans & Pads
7	Providing And Laying CC M15(1:2:4) below foundation
B	**Micro Sprinkler system (Optional)**
1	Micro Sprinkler: by providing sprinkler Nozzles hanging type at spacing (3.0 x 3.0m), with fin discharge (75 lh) at 3bar pressure. Disc Filter, Pump: 2.0. As per requirements

*Water source distance will be 100-150 m away from NV polyhouses.

Item No 7: Insect Proof Net House models	
Technical specifications of Insect Proof Net House-500 model	
Model	Insect Proof Net house-500 sqm (dome shape)
Structural material	G.I. Pipes
Dimensions	**18 m x 28 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	500 Sqm approx

A	**Details of Insect Proof Net House models**
1	GI Pipe (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	Insect proof net (40 mesh)
3	UV Stabilized film (200 Micron)1 m above ground level
4	Shade Net Fixing (Along with All Accessories)
5	Door with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box (With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
11	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
B	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 12000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 1000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from Insect proof net house.

Item No 8: Rate for Insect Proof Net House models 1000 sqm	
Technical specifications of Insect Proof Net House-1000 model	
Model	Insect Proof Net house-1000 sqm (dome shape)
Structural material	G.I. Pipes
Dimensions	**28 x 36 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**1000 Sqm approx**

a)	**Details of Insect Proof Net House models**
1	GI Pipe (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	Insect proof net (40 mesh)
3	UV Stabilized film (200 Micron)1 m above ground level
4	Shade Net Fixing (Along with All Accessories)
5	Door with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box (With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
11	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
b)	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 24000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 1000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from Insect proof net house.

Item No 9: Rate for Insect Proof Net House models 2000 sqm	
Technical specifications of Insect Proof Net House-2000 model	
Model	Insect Proof Net house-1000 sqm (dome shape)
Structural material	G.I. Pipes
Dimensions	**42 x 48 m or as per the site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**2000 Sqm approx**

a)	**Details of Insect Proof Net House models**
1	GI Pipe (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	Insect proof net (40 mesh)
3	UV Stabilized film (200 Micron)1 m above ground level
4	Shade Net Fixing (Along with All Accessories)
5	Door with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box (With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
11	Foundation(Grouting of vertical poles CC 1:2:4 ,30 x 30x 75cm Below Ground Level)
B)	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 48000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 2000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from Insect proof net house.

Item No 10: Rates for Shadenet house model 500 sqm	
Technical specifications of Shadenet house-500 Sq.m. model	
Model	Shadenet-500 (dome shape)
Structural material	G.I. Pipes
Dimensions	**18 m x 28 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**500 Sq.m. approx**

a)	**Details of Shadenet house model**
1	GI PIPES (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	SHADE NET(50 % UV Stabilized)
3	UV Stabilized film (200 Micron)1 m above ground level
4	SHADE NET FIXING (Along with All Accessories)
5	DOOR with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box(With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
b)	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 12000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 1000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from shednet houses.

Item No 11: Rates for Shadenet house model 1000 sqm	
Technical specifications of Shadenet house-1000 Sq.m. model	
Model	Shadenet-1000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**28 m x 36 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**1000 Sq.m. approx**

a)	**Details of Shadenet house model**
1	GI PIPES (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	SHADE NET(50 % UV Stabilized)
3	UV Stabilized film (200 Micron)1 m above ground level
4	SHADE NET FIXING (Along with All Accessories)
5	DOOR with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box(With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
b)	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 24000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 1000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from shednet houses.

Item No 12: Rates for Shadenet house model 2000 sqm	
Technical specifications of Shadenet house-2000 Sq.m. model	
Model	Shadenet-2000 (dome shape)
Structural material	G.I. Pipes
Dimensions	**42 m x 48 m or as per site requirement**
Buffer Room (made of polycarbonate sheet)	2 m x 2.5 m =5 Sqm
Height	4.5 m at center and 4 m along side
Size	**2000 Sq.m. approx**

a)	**Details of Shadenet house model**
1	GI PIPES (Including 60mm,50mm, 42 mm and 32 mm for telescopic foundation, main pipe, purlins , Principle Rafter, Arches)
2	SHADE NET(50 % UV Stabilized)
3	UV Stabilized film (200 Micron)1 m above ground level
4	SHADE NET FIXING (Along with All Accessories)
5	DOOR with Shutter
6	Door Frame and frame for fan fitting
7	Industrial Fans (Size 24 in , Single/three phase)
8	Providing And Laying CC M15(1:2:4) below foundation
9	Water Circulating System (PVC tank 2000 lits. , Circulating Pump 1.5 hp)
10	Electric Panel Box(With Copper wire complete with light/power points for pumps, fans and other miscellaneous use as per requirement.
b)	**Drip Irrigation: Four way drip irrigation system (Optional)**
1	Drip Irrigation: Four way drip irrigation system for Secondary nursery having discharge 2 lph, 48000 polybag should irrigate at a time in 1000 sq. Mtr net house, Filtration & pump unit, control valves, water tank 2000 ltr etc. as required for drip in Insect Proof Net Houses for Mother Block

*Water source distance will be 100-150 m away from shednet houses.

General Terms & Conditions:

1. Annual financial turnover of firm should be minimum Rs.3 Crore and above for last 4 years,

2. Firm/ companies should have ISO 9001:2008/ 14001:2015/ 9001:2015 certified

3. Tenders should be submitted in two bid system i.e. technical bid and price bid. Price bid shall be open of those firms who have qualified in technical bid.

4. List of Clients should be enclosed for reference, so that our technical committee may contact or visit site

5. Detailed technical drawings of the work should be enclosed by tenderer

6. Firm should have experience of at least 10 years for construction of similar works (Documentary evidence should be enclosed)

7. One single completed work costing not less than amount equal to Rs.50.00 lakhs

8. The all rates of structures and all other works must be inclusive for all taxes. Mention GST separately.

9. The GST certificate, registration, and IT returns (of last three years)

(Similar works mean: Fabrication & installation of Hi-tech green house/ poly house in Central/ State Govt. Institution)

Signature of Tenderer

Signature of Tenderer

(Stamp of Rs. 100/-or of appropriate value)

Affidavit/Indemnity Bond

My tender for Erection of (polyhouse, net houses and insect net house)at university jurisdiction has been accepted by the which Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola

I,Mr. …….. ….. Aged, …… S/O

…… R/o(Address) ……

the supplyer, agree to abide by and fulfill all terms and conditions included from page No. 1 to 11 of the tender or in default to forfeit the EMD to the Professor of Horticulture, College of Agriculture, Nagpur subsequent upon failure in supply of material due to default.

I am fully aware that in case of any dispute, the decision of the which Chairman, Committee for Development of Hi- Tech Horticulture & Head, Department of Horticulture, Dr. PDKV., Akola shall be final and binding on me.

Signature

Date _____

Full Name _____
Address _____
_____
Ph. _____

Verification

Verified & signed at Akola on this …… (the day) …… (month), 2018

DEPONENT

I know the deponent

Advocate
In presence of

1. Witness; Signature _____
Name _____
Address _____

2. Witness: Signature _____
Name _____
Address _____

Place : Nagpur
Date :

Chairman
Committee for Development of Hi- Tech Horticulture & Head,
Department of Horticulture, Dr. PDKV., Akola