



**GOVERNMENT OF TELANGANA**  
**DEPARTMENT OF HORTICULTURE**

**OPEN TENDER NOTICE**

**For**

Invites Tenders from reputed firms / companies (who have already supplied to the existing Centre of Excellence in India) for **Establishment of Hi-tech Plug Type Nursery under controlled conditions at CoE, Jeedimetla, Medchal Malkajgiri District**. Description, specifications and tender application details are available in website [www.horticulture.tg.nic.in](http://www.horticulture.tg.nic.in). The application is to be submitted **from 20.03.2026 to 30.03.2026 by 04:00 P.M.** Opening of applications will be on **30.03.2026 at 05:00 P.M** at O/o Directorate of Horticulture, Public Gardens, Nampally, Hyderabad – 500004.

**Website:** <https://horticulture.tg.nic.in>

**Contact:** 8977714507, 8977714511, 8977714487

**E-MAIL:** [farms-horti@telangana.gov.in](mailto:farms-horti@telangana.gov.in)

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## **TENDER SCHEDULE DETAILS**

Tender calling date	<b>19.03.2026</b>
Tender application fee (Non-refundable)	<b>Rs.5,000/-</b> by way of Demand Draft drawn in favour of Secretary, SHN, payable at Hyderabad.
Earnest Money Deposit (EMD) (Refundable)	<b>Rs.60,000/-</b> by way of Demand Draft drawn in favour of Secretary, SHN, payable at Hyderabad.
Tender Application Start Date	<b>20.03.2026</b> , from 11:00AM
Tender Application Closing Date	<b>30.03.2026</b> , by 4:00 PM
Opening of Tenders	<b>30.03.2026</b> , at 5:00 PM in the O/o. DoH, TG, Hyd.
Contact person	Joint Director of Horticulture (Farms & CoEs, O/o. DoH, TG, Hyd.) 8977714507
Reference No	HD/CoEs/MLG/06/2024-25, dt: <b>18. 03.2026</b>
Website	<a href="https://horticulture.tg.nic.in">https://horticulture.tg.nic.in</a>

**(APPLICATION FORM)**

Date :

To  
The Director of Horticulture / Secretary, SHN,  
Public Gardens, Nampally,  
Telangana, Hyderabad.  
E-mail: [farms-horti@telangana.gov.in](mailto:farms-horti@telangana.gov.in)

Dear Madam,

**Sub:** Tender for Establishment of Hi-tech Plug Type Nursery under controlled conditions at CoE, Jeedimetla, Medchal Malkajgiri District – Reg.

<b>Name and details of Applicant and its representative authorized to file:</b>	
Full Name	
Designation	
Name of Organization	
GST No.	
PAN No.	
Address	
Phone No.	
Fax	
Mobile	
Email	
Website	

**Current nature of work:**

(Not exceeding four lines)

**Last 3 (three) year's Turnover of the Applicant**

FY 2022-23 :

FY 2023-24 :

FY 2024-25 :

**Net Worth of the Applicant**

(Computed from the latest Audited Balance Sheet)

2024-25:

**Application fee (to be enclosed)**

in Rs.

in words.

Drawee Bank

Demand Draft No.

Date:

Note: Clearly indicate item of works

**EMD (to be enclosed)**

in Rs.

in words.

Drawee Bank

Demand Draft No.

Date:

Note: Clearly indicate item of works

**Note:**

- a) Applicants shall attach copies experience certificates, GST/ Pan Card /IT returns / Audited Balance Sheets etc., which ever applicable.
- b) The participants are requested to submit the application in separate sealed cover.

I/We declare that the information stated herein above is accurate.

Signature:

Full Name:

Organization:

Address:

Office Seal:

Date:

## **TERMS AND CONDITIONS**

- 1) The Application for the Open tenders should reach in between **20.03.2026 to 30.03.2026 by 04:00 P.M. in the Farms & CoEs section, O/o. Director of Horticulture, Hyderabad, Telangana.**
- 2) Application fee **Rs.5,000/- (Non-refundable)** has to be paid in the form of **DD** in favour of **Secretary, Society for Horticulture Nurseries (SHN).**
- 3) EMD of **Rs.60,000/- (Refundable)** has to be paid in the form of **DD** in favour of **Secretary, Society for Horticulture Nurseries (SHN).**
- 4) Tenders without E.M.D shall be summarily rejected.
- 5) The EMD of the successful bidder shall be retained and refunded only after satisfactory completion of work.
- 6) The E.M.D of unsuccessful bidder shall be refunded after finalization of the tender by the successful bidder / bidders.
- 7) Applications duly signed shall only be considered. Incomplete tender applications shall be summarily rejected.
- 8) The tenderer should sign on each paper and affix the seal.
- 9) Tender application of any individual is not transferable.
- 10) Successful firm shall not assign or transfer his contract or any part of it to any other agency.
- 11) Firms / Individuals / Agencies having a minimum (3) years experience are eligible for participation.
- 12) Invitation of tenders shall not confer any right to the tenderers to insist for work orders.
- 13) After opening of the bid offer, if it is found that the highest rate quoted is not satisfactory and not acceptable, the Department shall have the right to call for negotiations and fix up the rates of all above mentioned items, within the terms and conditions of tender.
- 14) It would be deemed that the bidder have made a complete and careful study of this tender document. Any violation of the above terms and conditions will be seriously dealt with.
- 15) The Department is not responsible for the loss /theft damages due to any calamities.
- 16) The Department of Horticulture shall have the right to terminate the tender by giving (30) days notice in violation of any prescribed conditions and non-performance.
- 17) All the successful bidders should supply the material within time frame given in the work order.

- 18) On placement and acceptance of purchase order, if the supplier does not perform his obligation as per the order, such supplier will be black listed and Department of Horticulture reserves all rights to make alternative arrangements to procure them from any short listed source and the difference of cost paid, if any will be recovered from the defaulting supplier through appropriate action.
- 19) In the event of any supplies /material failing to confirm to the specifications of quality parameters, The Director of Horticulture have the right to reject them out rightly and the payment to the stocks liquidated shall be with held.
- 20) The quantity notified is only tentative and may increase or decrease as per the requirement.
- 21) The Director of Horticulture or his/her nominee reserves the right to accept, reject or cancel the tenders at any time without assigning any reasons thereof.
- 22) All disputes and differences that arise are subject to the Jurisdiction of the Courts at Hyderabad only.
- 23) The decision of the Director of Horticulture will be final and bidding to accept, reject and cancel the tender no further correspondence will be entertained.

I have read and understood all the terms and conditions laid down in the Tender document and abide to them.

Signature:

Designation:

Full Name of Firm/Individual/Agency:

Organization:

Address:

Office Seal:

Date:

## **FINANCIAL BID**

**Hi Tech Plug Type Nursery under controlled conditions at  
CoE, Jeedimetla, Medchal Malkajgiri District, Telangana**

Name of the Firm / Agency: \_\_\_\_\_

To be quoted by the firm in Rupees

S. No.	Proposed Component	Proposed Area	Rate per Sq. Mtr (in Rs.)	Amount (in Rs.)
1	Hitech Plug Type Nursery under Controlled Conditions	2000 Sq Mtrs		

Note:

- 1) The rate quoted should be inclusive of transportation to the site, loading Un loading charges, including of taxes if any GST, Service Tax etc, within the limit of GHMC. The I.T. Deduction shall be applicable as per rule.
- 2) The Warranty of the components shall be 1 year.
- 3) The technical specifications given must be duly followed during the work

## Hi-tech Plug Type Nursery under controlled conditions

### Technical specifications of Greenhouse System with Fan & Pad cooling

S No.	Items	Description/Specifications
1	Product	Greenhouse with Fan & Pad Cooling System
2	Size	Approx. 2000 m <sup>2</sup>
3	Bay size	8m x 4m,
4	Ridge height	5.0 m
5	Gutter height	3.0 m
6	Canopy	Along 2 sides (Fan & Pad) 2.0m
7	Gutter slope	1.5% slope need be provided in civil foundation work/ structure
8	Gutter material	1.2mm thick made from GI sheet with perimeter of 500 mm or more preferably of single length without joint
9	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120km/hr and minimum load of 25 kg/m <sup>2</sup> . The firm needs to highlight design features and list of greenhouse clients.
10	Structure	Complete structure will be made of Galvanized steel rectangular pipe (HSH) or equivalent section confirming Indian standards; structural member will be joined properly. Other descriptions as mentioned below:
11	Columns	2.0 mm thick 60x60mm
12	Trusses	2.0 mm thick, 48x48mm or 50mm OD
13	Purlin	2.0 mm thick, 32x32/ 38x38mm
14	Trusses Member/ support	2.0 mm thick, 33mm/ 42mm/ 27mm
15	Foundations	Insert GI pipes of minimum 3mm thick 50x50mm or more to have foundation depth of 100 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.
16	Fasteners	All nuts & bolts must be of high tensile strength and galvanized.
17	Main Entrance room, Door & Back side for delivery of seedling	One entrance room of size 4m x 3m x 3.5m (L x W x H) need to be provided and covered with UV stabilized transparent polycarbonate sheet. Hinge doors of size 1.2m width & 2.0 m height (double door) mounted in suitable strong frame with air contains at both doors. Aluminum frame doors with glass. Washing of foots at the entry with sponge pad may be given with water connection and drain provision for disinfect the foots of the visitors.
18	Cladding material	UV stabilized 200 micron transparent Plastics films conforming Indian Standards (IS 15827: 2009), multilayered, anti-drip, anti-fog, diffused, having minimum 85% level of light transmittance.
19	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two ways BGL/GI profiles with suitable locking arrangement along with curtain top.
20	Spring Insert Co-axial fan	GI Zigzag carbon steel with spring action wire of 2.3 mm diameter to lock/ fix, sheet/ net into Aluminum Profile. 12 Nos. Co axial fan (ISI mark) Imported make 50" 1.5 HP motor 3 phase of minimum 1250 mm diameter containing 6 numbers of SS sheet blades, frame is of GI sheet materials followed by SS louver (insect proof from inner side).

S No.	Items	Description/Specifications
21	Cellulose pad for cooling	Cellulose pad of thickness 4" thick, height: 5', width as desired equipped with anodized Aluminum frame. Cooling pad complete with all necessary framing material (aluminum) as required for distribution and return, gutter, down spout cap and drip pan, plumbing kit, pump 220 Volt single phase, 50 cycle, drilled PVC piping cap, pad retainer, all suspension hardware, metal flashing required to seal pad for vent opening over flow 20 mm PVC & 40 mm standard sink drain.
22	Circular pump with accessories	Circular pump of required capacity/ rating with high flow and pressure & accessories should be provided for wetting & circulating the pad area.
23	Digital controller with sensory devices	Electrical control panel which consist of MCB, relay, Contractors, Three way switch, Volt meter, RYB indicator, temperature and humidity controller with sensor to operate cooling, humidity system, lights automatically, dual mode (AoM) regulator. Panels are manufactured with best quality CRCA sheet steels and finish with high quality powder coating Green House Environmental Monitoring Unit: Microprocessor controller, includes temperature, humidity and photoperiodic monitoring system, Display: LCD Regulating/ Monitoring Range Temperature : $\pm 2^{\circ}\text{C}$ Humidity : $\pm 5\%$ Time : $\pm 5\text{sec/day}$ Operation system: Programmable/ user selectable Temperature: Cooling & Heating to set up-to 4 cycle/ day Humidity: Humidifier/ Fogging, to set up-to 4 cycle/ day Light: RTC Based ON/OFF 8 cycle/ day Data Sensor Temperature + Humidity 0-20mA (wall mounting type) Temperature Range: 0-100°C, 1% Humidity Range: 0-100 %RH, 1.8% Lux Sensor 0-50000Lux,4-20mA o/p All power supply used for this system.
24	Electric wiring inside greenhouse	Use copper wire to withstand desired load of required electrical gadgets/appliances with ISI mark. Note: all the electricity board/wire will be covered in protected & safe boxes/other.
25	Manual Shade net system	UV stabilized 50% shading net with manual operated mechanism for expanding and retracting. Size of net should be equal to the floor area of greenhouse.
26	Insect Net/Benches	Insect net 40 mesh on cooling pad from outside. Inside the poly house consists of galvanized support frame 40x20mm pipe for legs & top & aluminum T-sections so as to hold the seedling trays in flat position. Growing benches will be 70-80cm in height & width as per design/ tray base size. Benches to be planed to utilized maximum area
27	Foundation for benches	Construction of foundation of size 0.15m x 0.15 m x 0.2 m for benches legs in CM 1:2:4.
28	Rain water collection pipes	Rain water collection pipe of size 110mm X Kg /cm <sup>2</sup> and 4m length from funnel at gutter level up-to the ground (ISI mark).
29	Fogging system	To increase the humidity by providing following system, Nozzles : Micro fogging hanging type, Lateral pipe : 16 mm LDPE black, Water Particle: 80-100 $\mu$ Filter : Disc Pipe : 40/63mm PVC 6 kg/cm <sup>2</sup> Pump : 3.0HP/ according to nozzle discharge : 28-30 lh at 4bar pressure Pipe & fitting : control valve, fitting and fixtures as required

S No.	Items	Description/Specifications
30	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. There should be a provision for proper drain of extra water of boom /foggers from Green house.
31	Curtain wall/ Apron	23cm thick brick wall of 1.1m height (30 cm below and 80 cm above ground level on all the four sides. The walls need to be plastered and water proofing cement with 1:5 ratio.
32	Ventilation	two opposite sides along the length of the green house protected by 40 mesh IPN
33	Curtains and insect screen	Rollup UV stabilized 200micron transparent plastic film as curtains need be provided up to 3.0 m height on two sides having automatic type motor operated crank mechanism. For and closing of curtains need also be provided.40 mesh nylon insect proof nets (UV stabilized) of equivalent size need to be fixed inside the curtains. Anti-flapping strips is suggested to ensure smooth functioning of the curtain.
34	Air circulator	To be installed randomly on the alternate poles for better air circulation total (12 Nos) ISI Mark 20" Imported make/ Crompton fans with exhaust fans.
35	Boom for irrigation & fertigation	Boomer Spray System: Overhead truss-mounted double rail system for greenhouse span width of 8.0m made of stainless steel (304) Moving mechanism motorized gear system moving to & fro with auto stop at end Overhead rail system ensuring optimum space utilization of greenhouse Mounting Structure, Hot-dipped galvanized overhead rail for corrosion protection. Suspended cable and hose fitted to the rail with rollers for electricity and water supply. Light-weight aluminum boom arms adjustable for height above seedlings tray Filtration with disc filter, Easy to maintain and serviceable Control panel fitted with to and fro auto and manual switching system with safety protector Nozzle Three way of Agjet or Teejet make for optimum spray fitted at a distance of 50-60cm on heavy duty aluminium pipe 25mm, for irrigation & nutrient/fertigation spray Nozzles discharge user selectable, up-to 60 l/hrs, operating pressure 2.54.0 kg/cm <sup>2</sup> Direct water application to plants ensuring even coverage for optimum germination success.
36	Water tank	Plastic Water Tank 1x2000 lit for Cooling Pad Water Circulation System, 1x2000 lit tank for Boom Irrigation Systems and 1x2000 lit Tank for Fogging/ roof sprinkler Systems

## CHECK LIST

Sl. No.	Particulars	YES/NO
1	EMD	
2	EXPERIENCE CERTIFICATE FOR (3) YEARS i.e. FROM 2022-23, 2023-24 & 2024-25. (RELEVANT DOCUMENTS SHOULD BE FURNISHED)	
3	PAN CARD XEROX	
4	IT RETURNS FOR 3 YEARS i.e. FROM 2022-23, 2023-24 & 2024-25. (RELEVANT DOCUMENTS SHOULD BE FURNISHED)	
5	TURN OVER DURING LAST 3 YEARS (RELEVANT DOCUMENTS SHOULD BE FURNISHED)	
6	SIGNATURE ON EACH PAGE OF TENDER DOCUMENT	
7	ORIGINAL TENDER SCHEDULE	