

GOVERNMENT OF TELANGANA  
DEPARTMENT OF HORTICULTURE

Public Gardens, Nampally, (Telangana State), Hyderabad – 500004.  
Expression of Interest for Establishment of Flat Roof Net Houses with  
Cable Purlin

Instructions to Firms

“Expression of Interest” (EOI) is invited from reputed firms/agencies/organizations for rate contract of establishment of Flat Roof Net Houses with Cable Purlin. The empanelment is for a period of three years. The application along with the documents is to be submitted enclosing a demand draft of Rs.50,000/- (Non-Refundable fee) in favour of Commissioner of Horticulture, Telangana State. Application can be downloaded from the website (<http://horticulture.tg.nic.in>) or procured from the Polyhouse Section, O/o Commissioner of Horticulture, Public Garden, Hyderabad. Earnest Money Deposit (refundable deposit) of Rs. 500000/- (Rupees Five Lakhs Only) is to be submitted in the form of demand draft in favor of Commissioner of Horticulture, Department of Horticulture, Govt. of Telangana, payable at Hyderabad along with documents by 3:00 p.m. on 11.09.2017 and shall be opened on the same day at 4.00 p.m. in the presence of representative of firm, with authorization letter, who may wish to be present. The details can be had either from Polyhouse Section, Department of Horticulture, Govt. of Telangana during working hours i.e. from 10.30 a.m to 5.00 p.m. or from the website <http://horticulture.tg.nic.in>.

**Nature of Scheme:**

The Govt. of Telangana has taken a new initiative and sanctioned Net House scheme to ensure round the year supply of Vegetables to the consumer and also to promote cultivation of Vegetables in off-season especially summer with high productivity which in turn increases the net income of the farmer.

I. SCOPE

The scheme will be implemented during 2017-18

II. HOW TO APPLY : Application is at Annexure-I.

III. SELECTION CRITERIA : Please see terms & conditions for empanelment at Annexure-II.

A. SELECTION OF FIRMS/BIDDERS

1. The firm shall be invited for the technical and financial proposals and shall be selected based on the evaluation of their prequalification criteria in technical and financial bids.
2. The selection will be done by the Committees constituted by the Govt. of Telangana.
3. The selection of firm shall be based on Combined Quality cum Cost Based System (CQCBS) for this highly technical project.
4. The technical proposal will be allotted weightage of 70% and the financial proposal will be allotted weightage of 30%.

B. ELIGIBILITY CRITERIA FOR TENDERER

1. Company / firm should have at least Annual turnover of above Rs.1.00 crore per year in last three years in the establishment of Net houses for Agriculture sector with required technical man power for installation of the net house
2. Company / firm should have sufficient skilled man power and sophisticated machines which required for the fabrication unit as detailed below:

B. 2A. IN HOUSE FABRICATION UNIT:

- Well experienced Design Engineer for construction of structure and Micro Irrigation systems including foggers & misters.
- Minimum 15 skilled workers for welding, bending, cutting, grinding, drilling, painting and other works which have to be taken for construction.

B. 2B. AT INSTALLATION SITE:

- Well experienced design / Technical Engineer for structure and Micro Irrigation systems including foggers & misters.
- Maximum skilled workers to be available at least 30 persons along with tool kit per one unit.

## B. 2C. MACHINERY REQUIRED:

- Power press, Grinding, Bending, Lathe, Drilling and Bensaw Cutting machines other required machinery to be available at work spot.
3. (i) The Company/ firm should submit the detailed designs & drawings in three views (i.e Front view, side view and top view) and detailed specifications of each part and quantity for the structure as per specification.  
  
(ii) The Company/ firm should submit the detailed drawings, specifications and quantity for micro irrigation and fogging systems.
  4. The company / firm should have experience of executing orders in minimum area of 10 acres in the business of for Green house / Poly house/ Shade Net house in last 3 years under any Central/ State Government programmes in India under the subsidy programme.
  5. The Companies, who are seeking empanelment are supposed to have registered in any state of India, three years back as on the date of publication of notification. Products with BIS standards only are accepted.
  6. The company / firm should submit their audited balance sheets for the last preceding three years and also submit turnover for Green house / Poly house/ Shade Net house business duly signed by Chartered Accountant. IT return for last 3 years should be furnished.
  7. The company should have ISO certification.
  8. The technical bid and financial bids are to be submitted separately in a sealed cover duly super scribing Technical quote “EOI schedule for Flat Roof Net house with Cable Purlin fabrication and installation” & price quote “EOI schedule for Flat Roof Roof Net house with Cable Purlin fabrication and installation”. Both the technical bid and financial bid sealed covers are to be placed in a third cover along with the covering letter and EMD in the form of Demand Draft duly super subscribing “EOI schedule for Flat Roof Net house with Cable Purlin fabrication and installation” & technical quote and price quote along with name and address of the bidder.

## C. GENERAL CONDITIONS

1. Offer will be considered inclusive of all taxes/charges.
2. Any EOI which is not on the proper EOI form and received late shall not be considered.
3. In case the date of opening falls on Holidays, gazetted or subsequently declared, the EOI will be opened on the next working day following the closed day.
4. The firm shall have to open at least one sale depo in Telangana State with technically qualified staff with all required material. The detail address of office location is to be given.
5. The offers should be typed or written in ink. Offers in pencil shall not be considered.
6. The firm shall have to provide test report of products if farmer demands it, but in case of purchase by Department of Horticulture, Govt. of Telangana test report is mandatory with the delivery of material.
7. The Commissioner of Horticulture, Department of Horticulture, Govt. of Telangana, will have the right of rejecting all or any of the quotations without assigning reasons.

ANNEXURE-I  
DEPARTMENT OF HORTICULTURE,  
TELANGANA STATE, HYDERABAD.

APPLICATION FORM FOR EMPANELMENT OF  
COMPANIES FOR FLAT ROOF NET HOUSES WITH  
CABLE PURLIN

(To be submitted by the Companies)

1	Name of the firm	:	
2	Year of Registration of the firm and Registration Number and certificate as business entity registered with any of Govt. of India registration authority.	:	
3	Firm Profile with office address, Name of proprietor/Director/Partner with photocopy of PAN number	:	
4	Details of distribution network along with full address	:	
5	Address of fabrication unit along with list of machinery & equipments.	:	
6	Deed of partnership, if applicable	:	
7	Approved design, specifications, test reports and component-wise break up of all type of structures the firm is interested in	:	
8	Experience of firm with the list of works completed	:	
9	Detailed report of R&D team and company	:	
10	Brochures of the Company if any to be enclosed	:	
11	DD particulars (DD No & Date, Drawn Bank) for Rs.5,00,000/- as EMD (Earnest Money Deposit)	:	

12.Price quoted per sq.mt of Net House erection (pl.see the indicative specifications- Annexure-III) Please note that the unit cost of Net House is inclusive of Drip Irrigation cost and Goods and Services Tax.

I/We hereby declare that, I/We have read and understood the Terms and Conditions of EOI relevant to Notification dated:22/08/2017 and I/We have submitted all the prescribed 'Annexures' in accordance with the Terms and Conditions of the above Notification and the prices (inclusive of all taxes at delivery site) offered are in accordance with the technical specification of EOI and the prices quoted by our firm M/s \_\_\_\_\_

\_\_\_\_\_ is as follows.

Sl.No.	Slab	Rate per sq.mt prices (inclusive of all taxes at delivery site) (in Rs.) (Please indicate in words also)
1.	Upto 2025 sq.mts	
2.	2025-3965 sq.mts	

Place:

Signature with seal

Date:

(Last date for submission of filled-in application is on or before  
11.09.2017 by 3.00 P.M.)

## ANNEXURE-II

### TERMS & CONDITIONS FOR EMPANELMENT OF FIRMS FOR FLAT ROOF NET HOUSES WITH CABLE PURLIN

The empanelment of firms shall be governed by terms & conditions of the Department. The firm has to submit undertaking on Rs.100 stamp paper duly notarized to this effect that he is abiding by the following terms and conditions of empanelment:

#### **A. ELIGIBLE CONDITIONS FOR OFFERER(S):**

- 1) Mere fulfilling of the requirements of Department does not entitle the firm to empanel in the Telangana State or empanelment for net house structures.
- 2) The Department is free to check the firm's antecedents and verify firm claims. At any point of time, if any, discrepancy is noticed, then Department is free to cancel empanelment of the firm and the security amount shall be forfeited and liable for legal action.
- 3) The firm is empanelled subject to inspection of fabrication unit of firm and/or net houses installed by firm. In case, of any defects/ deficiency/ discrepancies found during inspection, the empanelment will be cancelled, no subsidy will be released in that case, bank guarantee shall be forfeited and the firm is liable for legal action.
- 4) The supplier should supply the material as per the standards mentioned in annexure for net houses and should have agreement with the shade net & structure manufacturers for minimum period of 3 years including structure material. All the test data sheets (TDS) should be included in the technical bid and reports should not be less than 6 months old.
- 5) The supplier should have agreement with any Micro irrigation company of the approved list of TSMIP of Govt. of Telangana.
- 6) The supplier should have minimum 3 years of experience in manufacturing, designing and laying of structures and should submit the experience letters from the competent authority of the Government agencies concerned.

- 7) The Offerer (s) should have a full-fledged workshop with sufficient skilled technical personnel for fabrication of Structure as per the prescribed specifications and to attend installation and after sales service.
- 8) The firm should have GST, CST Registration and PAN number and Sales Tax assessment returns.

**B. INSTRUCTIONS FOR SUBMISSION OF EOI SCHEDULE:**

1. The offerer(s) shall submit in their EOI Schedule with all documents indicated in Annexure-III in a separate sealed cover duly super scribing "EOI Schedule for Fabrication and installation of net house and Price quotes as per Annexure-VII (indicative specification) in a separate sealed cover duly super scribing "Price quote for Flat Roof Net Houses with Cable Purlin with name and address of the Offerer(s). Both covers are to be placed in a third cover along with covering letter and EMD Demand draft as stipulated under the Instructions for Submission of EOI Schedule duly super scribing "EOI Schedule for Fabrication and installation of Net house".
2. Earnest Money Deposit (EMD) for an amount of Rs.5,00,000/- (Rupees Five Lakhs only) shall be paid in the shape of Demand Draft drawn in favour of Commissioner of Horticulture, Telangana State, payable at Hyderabad along with a covering letter and should be enclosed along with technical schedule EOI Schedule without EMD will be rejected.
3. The Offerer(s) shall submit duly notarized declaration along with EOI, as per the proforma furnished under Annexure-IV, with Rs.100/- Non-Judicial stamp paper.
4. The authorized person representing the firm who is signing on the EOI documents and also participating in the EOI opening shall invariably attach a copy of authorization from the competent authority of the firm as per the Bye-laws of the firm / Company.
5. The last date for submission of EOI schedule is 11.09.2017 up to 3.00 p.m. The technical quotations will be opened at 4.00 p.m on the same day.



6. The EMD amount will be returned to un-successful Offerer(s) on finalization of EOIs i.e., after agreement / price acceptance within 3 months from the date of opening.
7. The EMD of successful Offerer(s) shall be retained by the Department and refunded only after satisfactory completion of the contract. The EMD shall be adjusted against the Performance Bank Guarantee for the successful Offerer(s). This deposit will not carry any interest.
8. The suppliers who are willing to appoint dealers & service centers in Telangana States are only eligible to participate in the EOI.

### **C. GENERAL TERMS AND CONDITIONS:**

1. The Offerer(s) have to quote the prices as per the technical specifications given in the EOI schedule in Annexure-VII.
2. The Price quotes of only those Offerer(s) whose EOI Schedules are qualified for acceptance will be opened with due intimation to them.
3. Negotiations will be held as per the decision of the Technical Committee appointed by the Government of Telangana at the address indicated in the data sheet. The aim is to reach agreement on all the points and sign a contract.
4. The agreement period will be up to 3 years from the date of signing the agreement. The successful Offerer(s) have to submit their price acceptance letter, agreement etc., within 10 days from the date of receipt of draft agreement. No Escalation charges will be paid for supply of equipment during the agreement period. If the contractor or firm fails to supply the material within the stipulated period without obtaining prior permission from the authority, such agreement will be terminated. When a firm or contractor indulges in fraud, mischief, representation in obtaining the contract such firm or contractor shall be blacklisted.
5. The manufacturers should submit list of dealers along with mail address & bank account details at the time of agreement without fail. No addition & deletion shall be entertained afterwards.
6. Performance Bank Guarantee of Rs. 30,00,000/- (Rupees Thirty Lakhs only) should be furnished at the time of agreement in favour of Commissioner of Horticulture, Telangana State.

7. The supplies made shall be invoiced on GST invoice with serial No. of invoice printed on it. No invoice other than Tax invoice will be accepted. GST applicable, if any, shall be clearly mentioned in the Tax invoice.
8. The supplier shall submit minimum 20 no. of satisfied farmers list along with contact numbers, full address for whom they have installed the net houses from the last 3 years i.e. 2014-15 to 2016-17 for physical verification by the technical team to ascertain the quality and function.
9. The Suppliers, Fabricators of net house who is participating in the EOI should indicate the details of authorized dealers in the EOI Schedule. The authorized dealer / distributor/ Fabricator of the successful offerer(s) will have to pay the Performance Bank Guarantee of Rs.30,00,000/- to empanel their firm as authorized dealer/distributor before entering into contract agreement. The dealer should have GST/ PAN numbers. The name of the firm once included in the approved list will not be deleted up to the end of the financial year unless felt by the EOI agency or Commissioner of Horticulture, Telangana State.
10. a) Performance Bank Guarantee produced by the successful Offerer (S) shall be forfeited and alternative arrangements shall be made, if the firm does not fulfil the obligation of supply of stocks as per orders / specification / quality and alternate arrangements will be made for procurement of such products and any additional cost incurred in this regard will be recovered from the concerned firm. The arbitration will be initiated and shall remain final.  
b) The responsibility of quality and quantity (eg. Misbranding / Substandard material) of the material supplied lies with supplier only.
11. Warranty: 5 years warranty from the date of installation for structure excluding net. For net, 3 years warranty for all material and installation defects.
12. All those manufacturers, who had filed valid EOI and are willing to supply the Material at the accepted rate will be given opportunity to supply the Material for which they have offered subject to the acceptance of the terms and conditions .
13. The firm has to provide at least five years after sales service of structures including Net and for Irrigation systems after installation of unit.
14. For testing of material, the fee shall be borne by the firm as and when required.

15. The firm or contractor deemed to be indulged in unfair business practice such as erection of net 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 Commissioner of Horticulture as the case may be.
16. Penalties:- Penalty will be imposed for the below mentioned reasons other than departmental failures at following rates.

**Penalties:** - Penalty will be imposed for the below mentioned reasons other than departmental failures at following rates.

S.No	Item	Penalty in Rs.
1.	a. Delay in erection of Net House b. Erection of Structure with faulty design c. Supply of Sub-standard Material d. Deficiency in After Sales Service	2% of project cost at the time of final payment made to the farmer

17. If the supplying firms fail to supply the material within the scheduled time i.e. 21 days from the date of receipt of purchase order, the firm/contractor shall seek extension of time (EOT) from the authority duly explaining the reasons for EOT. If the firm fails to supply the material within the stipulated time without getting EOT from the authority the contract is liable to be terminated. In case of any eventuality such as, natural calamities and things which are beyond the control of the firm/contractor, such cases may be brought to the notice of the authority for consideration and obtaining prior written permission. Otherwise the penalty will be levied as indicated above.
18. Liquidated damages will be levied at the rate of 0.5% of the total value of work per week up to a maximum of 5% in case of default in the supply of material as per technical specifications.
19. The firm has to undergo Tri Party Agreement (TPA) with the farmer and Department in each case after administrative sanction before execution of work. This TPA will be signed and followed by each involved party and will be submitted in O/o District Horticulture Officer.

20. The firm has to follow norms & guidelines of Net Houses issued by the Department from time to time and shall abide by it.
21. A) Assistance amount including the farmers contribution will be released by the Department to the empanelled firm.  
  
B) In case of bankable projects the release of subsidy to farmer will be back ended with credit linked facility.
22. The firm has to abide by the inspection report of the Department and shall abide by its terms & recommendations. Pre-installation physical verification of material at the time of supply of material and post installation physical verification after installation will be carried out by the Joint Inspection Team of department.
23. The supplier has to show the demonstration of the functioning of drip irrigation to the beneficiary before taking signature of the beneficiary on Utilization Certificate. The firm has to educate the farmer on do's and don'ts of operation of net house.
24. The acknowledgement (Proof of Delivery) along with photograph and other required documents for the material delivered should be signed by the beneficiary and countersigned by the concerned DHSO/DLHSCO & CLHSCO for all the material. Material should not be delivered without valid purchase order/ Indent from the competent authority.
25. The loading, un-loading, handling charges and demonstration expenses, should be borne by the supplier only.
26. The Supplier shall provide detailed operational and maintenance manuals, parts catalogue (in the local language) at the time of supply of the material to the beneficiary and training should be imparted to the farmers in operation and maintenance of the net house.
27. Random inspection of all material distributed under subsidy schemes will be conducted by suitable committee / team appointed by the Commissioner of Horticulture, Telangana State before / after the equipment is supplied to the beneficiaries.
28. The assistance shall be released as per guidelines or as decided by competent authority.

29. Commissioner of Horticulture, Government of Telangana may add or delete or modify any term & condition as per requirement and in public interest and as recommended by the committees constituted by Govt. of Telangana.
30. Commissioner of Horticulture, Telangana State reserves the right to award the EOI either in part or full or to empanel on rate contract or follow any other suitable procurement procedure. Commissioner of Horticulture, Telangana State at its sole discretion and without assigning any reason thereof, reserves the right to accept / reject any or all bids at any stage of the EOI process.
31. In case of any dispute or difference arising out of the agreement between the two parties relating to any aspect of the agreement, the parties should attempt to settle the dispute through mutual and amicable discussions.
32. It is further to be agreed by both the parties that all differences and disputes if not resolved as above, shall be got remedied through the Court of Law of Hyderabad jurisdiction only.
33. The EOI Schedule can be rejected if at any stage of the procurement process, it comes to knowledge that any Offerer(s) is involved in any fraudulent practice or misrepresentation of the facts or tried to influence the selection process or indulged in any corrupt activities in competing with others.
34. The agency shall submit an affidavit attested by the authorised notary that "the agency has not been blacklisted by any Government of India / State Government or its department and no legal issues regarding any works is pending in any court of law during the last three years.
35. The Firm/Contractor is liable for prosecution and also blacklisting, when he deliberately and intentionally suppress the facts and plays fraud or mischief and gives false information in the affidavit submitted by the Firm/Contractor, in such event, the Firm/Contractor shall be liable for prosecution and blacklisting.

Commissioner of Horticulture  
Telangana State, Hyderabad

## ANNEXURE-III

### LIST OF DOCUMENTS TO BE ENCLOSED

Sl. No.	Documents to be enclosed to the EoI
1	Application Format – Annexure-I
2	Brief Profile of the Firm
3	Bank particulars for online transfer of amounts.
4	Whether the firm is having valid manufacturing license from the competent authority (copy to be enclosed)
5	Details of dealer network in Telangana State and Operating Districts with full address & contact numbers.
6	Documents pertaining to GSTIN, SSI Registration etc., as applicable
7	GSTIN, PAN etc. having validity
8	Annual Turn Over of the firm for the last (3) years
9	Whether the Company is ISO certified or not (If 'yes' copy to be enclosed)
10	Proof of having sufficient no. of technicians with experience (List out details about names of persons / Experience / qualification with temporary and permanent addresses along with E-mail address) & contact numbers
11	Authorization letter from the Competent authority as per the rules of the firm in case of authorized person representing the firm.-Annexure - VI
12	Audited accounts balance sheet for the last (3) years
13	Income Tax assessment Certificate for the last (3) years
14	Declaration– Annexure – IV
15	Declaration for not Black Listed – Annexure – V
16	Farmers list and contact numbers along with permanent address.

ANNEXURE-IV  
DECLARATION

1. I/We have read and understood the Terms and Conditions of EOI relevant to Notification dated: 22/08/2017 and I/We have submitted the 'Annexures' in accordance with the Terms and Conditions of the above Notification.
2. The information furnished in the 'Application for EOI' are true and factual and I/We clearly understand that our EOI is liable for rejection, if any vital information is found either not true or incorrect at any point of time.
3. I/ We shall not sell the products being quoted through this EOI Schedule at a lower price either to Government/ Private Parties in the State of Telangana by of giving any additional trade discount or incentives. If any such incident is noticed, The Commissioner of Horticulture, Telangana has the right to restrict all payments to such a lower rate apart from the initiating penal action.

PLACE:

Signature of the  
applicant with seal of  
firm

DATE:

Full address:  
Email ID:  
Contact No.

WITNESSES SIGNATURE WITH FULL ADDRESS:

1.

2.

ANNEXURE-V

(DECLARATION ON BLACKLISTING ISSUE)

To  
The Commissioner of Horticulture,  
Telangana State,  
Hyderabad.

Dear Sir / Madam,

Sub :-

Ref :- \_\_\_\_\_

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I / We \_\_\_\_\_ hereby  
confirm that our firm has not been banned or blacklisted by any  
Government Organization / Financial Institutions / Court / Public Sector Unit /  
Central Government.

PLACE:

Signature of the Offerer(s)  
with Seal

DATE:

Name:

Designation :



Annexure –VI  
(Letter head of the Firm)  
AUTHORIZATION LETTER

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

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

He / She is authorized to submit, collect & represent us and  
provide full support in making your empanelment successful. Further, we  
authorize him to furnish technical and to quote and negotiate price  
information.

Signature of Authorized signatory

Name Designation

Permanent address

Contact No:

E-mail ID :

Seal of the firm

Dated.....

## Annexure-VII

### A. Technical specifications for Flat roof Net House with Cable Purlin

S.No	Particulars	Description
1	Area in Sq.m	2025 & 3965
2	Length of the structure	As per design
3	Width of the structure	As per design
4	Grid	8m x 5m
5	Straight corridors	2.5 m on all sides for area calculation

**\*\* Products with BIS standards only are accepted.**

S.No.	Item	Indicative Specifications
1.	Grid Size (Spacing)	8 x 5 m
2.	Centre Height	4.0 m in case of flat structure.
3.	Main Column	1. All outer columns 90 mm OD/SHS 60x60, 2.5 mm thick, height of pole 4 m 2. Inner column 60 mm OD/ SHS 50x50, 2mm thick, height of pole 4 m.
4.	Balcony	2.5 m Supported with 6 mm thick (1/19) anchor cable/ RHS 40x20, 2 mm.
5.	Structure cable wires	6 mm thick (1/19 or 7/19) main cable at all ends for anchoring, 6 mm thick base cable on top along and across the gable.
6.	Clamps	Clamps- triple wire connector, 6mm thick wire cable clamp.
7.	Nut Bolts	All nuts & bolts should be hot dip galvanized and as per the requirement
8.	Accessories	as per the requirement
9.	InsectProof Net	40 Mesh (115 GSM) (white colour) UV stabilized Insect proof net on all sides made from virgin raw materials upto a vertical height of 3m (Slant Height of 3.6 m above Ground level)
		Roll up rod on two opposite sides from 1m above ground level for opening and closing of 2 m insect proof net.
10.	Monofilament Shade net	35% shade net - monofilament on top (approx. shade % is 35%) 120 GSM/ white/black/green-black color/5.2m (Slant Length of 1.2 m above Ground level)
		35% shade net - monofilament on upper portions of sides top 1 m, 90 gsm, white colour

<b>S.N o.</b>	<b>Item</b>	<b>Indicative Specifications</b>
11.	Second layer of Net	35% shade, Tape type white Coloured with 90 GSM, within 50 cm below top layer
12.	Retraction unit	For manual spreading and removing of second layer of shade net made of pulleys and PP rope.
13.	Trellis system	4 mm thick (7/19) double layer in a zig-zag fashion main cable at both gable ends/sides 5 mm thick base cable internally and 2.5 mm thick, GI Wire above the beds (two strands per bed). All poles are connected from top with 5 mm cable and 4 mm spotting wire is connected with all poles.
14.	Entrance& Anti-room	Entrance - G.I. frame with 40 mesh insect net & shade net 2.50 m x 2.00 m (Anti room of size 4m (L) x 2.5m (W) x 2.5m (H) with double door and covering of insect net /shade net (with 100 mm PCC flooring). (Door is independent of main structure)
15.	Tractor entry	It is a separate structured frame entry with 3 x 3m height & width with stainless steel hinges. Framed flaps fixed with all drop locked entry. Two door frames (@3 x 1.5 m each frame) openable horizontally.
16.	Flooring	Human entry room with 50 mm PCC flooring with dimensions of 4m x 3m
<b>Civil Works</b>		
1.	Foundation	Outer anchor(stay rod foundation): 1.80 m depth, 40 cm diameter, PCC of CC ratio (1:2:4) Outer column foundation: 45(L) x 45 (W) x 30 (D) cm, PCC bed with CC ratio (1:2:4) Inner column foundation: 0.6 m depth, 30 cm diameter, PCC of CC ratio (1:2:4).
2.	Balcony/ Hockey foundation	3 mm lip-C profile, hot dip galvanized, 1.2 m length.
<b>Micro Irrigation system</b>		
1	Micro Irrigation system	As detailed below

**Note:**

1. All the GI material should be of 360 GSM including nuts and bolts.
2. All the GI cables and ropes with a minimum of 70 GSM
3. Farmer has a choice to go for second layer of Net with 40% indoor quality thermal screen. Additional Cost for this shall be borne by the farmer @ Rs.90/- per sq.m of thermal screen With automated retraction unit @ Rs.1.00 lakh per unit

**B. MI Component**

**\*Products with BIS standards only are accepted.**

Sl.No	Description of Items	Unit
A	Drip System	
1	Main and Sub-main Line PVC 63 mm x 4 kg/cm <sup>2</sup>	Meter
2	Main Line PVC 75 mm x 4 kg/cm <sup>2</sup>	Meter
3	16mm LLDPE Lateral line CL-2	Meter
4	Inline 16mm, 1.3 to 2.4LPH @ 20-40 cm CL2	Meter
5	Ball Valve 63 mm (Moulded Seal, Plain)	Nos.
6	Ball Valve 75 mm (Moulded Seal, Plain)	Nos.
7	Sub-main Flush Valve 40mm	Nos.
8	Sub-main Line for Flushing 40 mm X 6 kg	Meter
B	Filtration Unit	Nos.
1	Disc filter 25 m <sup>3</sup> /hr	Nos.
2	Disc filter 40 m <sup>3</sup> /hr	Nos.
3	Sand filter 10 m <sup>3</sup> /hr	Nos.
4	Sand filter 25m <sup>3</sup> /hr	Nos.
5	Sand filter 40 m <sup>3</sup> /hr	Nos.
6	Manifold GI + GMV	Nos.
7	Ventury Assembly Complete	Nos.
8	Air Release Valve Assembly 1"	Nos.

\*\* The above specifications are indicative only and Commissioner of Horticulture, Government of Telangana may add or delete or modify any term & condition as per requirement and in public interest and as recommended by the committees constituted by Govt. of Telangana.

Note:

1. water source/ outlet should be available within a radius of 30 m from structure
2. open well irrigation source require sand filter
3. For any additional/optional item that is fitted/provided in structure by firm with the consent of farmer that shall not be part of cost norms\*.
4. The list above under MI component is tentative. However, the actual material to be used at site may vary as per structural design requirement and this will be binding to the firm.

Specifications for Nets:

- Shadenet made from monofilament yarns as per ISO No.16008 (Part 2) 2016
- Tape net made from tapefilament yarns as per ISO No.16008 (Part 1) 2016
- Insect Net for agriculture and horticulture purpose with specifications of ISO No.16513 of 2016

**Important activities and Dates:**

S.NO	Activity	Amount/ Date
1.	Non Refundable Application fee	Rs. 50,000/- in favour of Commissioner of Horticulture, Government of Telangana (Payable at Hyderabad)
2.	Earnest Money Deposit (Refundable)	Rs. 5,00,000/- in favour of Commissioner of Horticulture, Government of Telangana (Payable at Hyderabad)
3.	Performance Bank Guarantee (at the time of agreement for the short listed firms)	Rs. 30,00,000/- in favour of Commissioner of Horticulture, Government of Telangana
4.	Issue of Application	22/08/2017
5.	Last date Submission of Application	11/09/2017 by 3:00 PM
6.	Opening of Applications	11/09/2017 at 4:00 PM

Commissioner of Horticulture, T.S.,  
Hyderabad