

Tender Fee Rs. 5000/-

**TENDER DOCUMENTS**  
**(TWO BID SYSTEM)**

**TENDER ID: 241289**


FOR

**Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/  
Shade House to be established at various Departmental Farms and  
Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.**

MISSION DIRECTOR

**GUJARAT HORTICULTURE MISSION**

**"Krishibhavan "** SECTOR NO. 10-A, GANDHINAGAR-382010

 & Fax : (079) – 232 56196 E-mail: shmguj@yahoo.in

Date:

To,  
Mission Director,  
Gujarat Horticulture Mission  
"KrushibhavanBhavan" Sector No. 10-A,  
Gandhinagar-382010

**Subject : establishment of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.**

In connection with the above subject, I/We confirm the following.

I/We the undersigned have read and examined the Document Tender Document No: Tender Document No: -Director of Horticulture; COE/01/2016-17.

The price in respect of supply of **establishment of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.** In the tender are subject to firm price and in line with tender specification and stand valid till completion of the contract, if awarded.

I/We declare that our tender is strictly in line with tender specification and there is no deviation. Further, I/We also agree that additional conditions / deviations, if any found in tender, the offer shall be out rightly rejected without assigning any reason thereof.

I / we agree to pay the amount as actual being the charges for the preparation of agreement in case my / our tender is accepted.

Signature of Authorized  
Representative of Company

NAME: \_\_\_\_\_

STATUS: \_\_\_\_\_

SEAL OF THE COMPANY  
Name of tendering Company

Note: The tendered must submit attested copy of Board Resolution of company or Power of Attorney authorizing particular person to sign tender and related documents.

LETTER OF INVITATION

(For Invitation of Tender and Instructions to Tenderers)

**Tender No.: 241289**

**Issue date: 06/01/2017**

**From:**

Mission Director,  
Gujarat Horticulture Mission  
"KrushibhavanBhavan" Sector No. 10-A,  
Gandhinagar-382010

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subject: establishment of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.**

1. **Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House** as per specifications more particularly described in **Performa - 2** will be supplied to various locations as per Data Sheet-III
2. GHM intends to award contract for **Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House** as per specification as mentioned in Performa 2
3. You are invited to submit a Technical and Financial Bid through e-tendering and physical copies too (only for Technical Bid) for the above contract in "Duplicate".
4. It is not permissible for you to transfer this invitation to any other firm.
5. The big sealed Cover marked with 'Tender for **establishment of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.** containing the two separate envelopes of your Technical Bid, tender fee and EMD should be submitted with each marked "Official documents" with a reference number and name of the work (document) and clear identification of the contents of the envelop i.e. "Technical Bid" & "EMD& tender fee"

To

Mission Director,  
Gujarat Horticulture Mission  
"KrushibhavanBhavan" Sector No. 10-A,  
Gandhinagar-382010

6. Your Technical bid, Financial bid should be submitted online through e- tendering and two physical copies of Technical Bid and EMD along with tender fee should reach GHM(Gujarat Horticulture Mission) between date and time shown in the Data Sheet-I.
7. Technical bids will be opened at **15:00 Hrs 31-01-2017** in the presence of the authorized representative of bidders who can remain present at GHM office at Gandhinagar. All those who are found technically competent to carryout the job will be considered as qualified Tenderers and only their financial bid will be considered.
8. After the issuance of this tender and before submission date of tender, the GHM may, if necessary, reply to your written request for clarifications relating to the proposed services. However any delay caused by seeking such clarifications will not be considered a reason for extending the submission date of your proposal.
9. Pre-bid meeting shall be organized at **12.00 Hrs. on dated 17-01-2017 at office of the Gujarat Horticulture Mission, Krishibhavan, Sector-10, Gandhinagar.** The Authority shall endeavor to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent and competitive Bidding Process
10. It should be clearly understood that GHM would not reimburse any cost incurred by you for the preparation of offer, site visit, collection of information, or for negotiations, if any.
11. Tenderer should observe a high standard of ethics during the selection process and in the execution of this contract.
12. The order will be issued to successful Tenderer as per the standard format.
13. TECHNICAL Bid Cover or EMD Cover received after the due date and time will not be accepted and the offer will be categorically ignored without any communication.
14. The Tenderer must fill all the ANNEXURES / APPENDICES / FORMATS / PROFORMA mentioned in the tender specification.
15. A Tenderer can submit his offer for all or any of the lots of **Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House as mentioned in** Data Sheet-II. There may be a variation in the quantity.

Yours Faithfully,

Mission Director,  
Gujarat Horticulture Mission  
"KrushibhavanBhavan" Sector No. 10-A,  
Gandhinagar-382010

**Tender Document No: -Director of Horticulture; COE/01/2016-17**

Bidders who wish to participate in online tenders will have to procure / should have legally valid Digital Certificate. Bidders can procure the same from (n) Code Solutions – A division of GNFC Ltd., who are licensed Certifying Authority by Govt. of India.

For details regarding digital signature certificate, bidders may contact to :

(n) Code Solutions

A Division of GNFC

301, GNFC Infotower, Bodakdev Ahmedabad –380 054 (India) Tel: +91 26857316/

17/ 18

Fax: +91 79 26857321 E-mail: nprocure@gnvfc.net

Website: [www.nprocure.com](http://www.nprocure.com)

Toll Free: 1800-233-1010

**DATA SHEET-I**

Details of Purchase	Establishment of Vegetable Plug Nursery, Poly tunnels / Poly house & Insect Net/ Shade House at various Departmental COE-Farms and Nurseries of Gujarat Horticulture Mission, Govt. of Gujarat.
Price of Tender	Rs.5000/- By Demand Draft in favour of <b>Gujarat Horticulture Mission</b> Payable at Gandhinagar (Non refundable)
Last Date of Online Submission of tender:	<b>Date: 30-01-2017</b> Up to 18.00 Hrs.
Date, Time & Place for Pre Bid Meeting	<b>Date : 17-01-2017</b> <b>Time: 12.00 Noon</b> <b>Place: GHM, Krushibhavan, Gandhinagar.</b>
Date of submission of Tender Document Fees, physical copies of Technical Bid Cover, EMD Cover	<b>Date up to 18.00 hrs; date 30-01-2017</b>
Tender Opening Online	<b>After finalization of Technical bid</b>
Ernest Money Deposit (EMD)	As per Data Sheet II.
Total Requirement	As per Data Sheet II.
Period of completion of work	<b>120 days from the date of Order</b>
<b><u>ELIGIBILITY</u></b> As per Eligibility Criteria of Tenderer – <b><u>DATA SHEET-IV</u></b>	
<b><u>Tender Document Fees and EMD</u></b> By Demand draft in favor of <b>“Gujarat Horticulture Mission”</b> Payable at Gandhinagar.	
<p style="text-align: center;"><b>:Address:</b> Mission Director, Gujarat Horticulture Mission “KrushibhavanBhavan” Sector No. 10-A, Gandhinagar-382010 Con. No: 079-23256104</p>	
Verified By :	Mission Director, Gujarat Horticulture Mission “KrushibhavanBhavan” Sector No. 10-A, Gandhinagar-382010

**DATA SHEET-II**

**Details of Earnest Money Depots (EMD) for Supply & Installation of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net**

Sr. No.	Type of Structure	Total Area (Sq. m.)	EMD (Rs. In lac)	Rate per Sqm. Including all taxes & F.O.R. at various Location specified under the Tender documents
A.	Vegetable plug nursery	1000		
B.	Poly house	1000		
C.	Poly Tunnels (50X10) Naturally Ventilated	4000		
D.	Poly Tunnels (50X8)	800		
E.	Insect Net	3000		
F.	Total	9800		
For all the component collective			2.60	

**Ernest Money Deposit (EMD) should be in the form of Demand Draft payable in favour of "Mission director, Gujarat Horticulture Mission" payable at Gandhinagar.**

**DATA SHEET-III**

**Location of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net House**

Sr. No.	Type of Structure	Unit Size Sq meter	Chanvai	Sunsi	Kukma	Total	Total Area (Sq. m.)
			No. of Unit/s	No. of Unit/s	No. of Unit/	No. of Units	
1	Vegetable plug nursery	1000	0	1	0	1	1000
2	Poly house	1000	1	0	0	1	1000
3	Poly Tunnels (50X10) Naturally Ventilated	500	6	2	0	8	4000
	Poly Tunnels (50X8)	400	0	2	0	2	800
4	Insect Net	1000	0	2	1	3	3000
	Total		7	7	1	15	9800

**1=Fruit Development nursery, CoE, Chanvai, Valsad.**

**2=Government Seed farm, Sunshi, Mahesana.**

**3= Center of Excellence Date palm, Kukma, Ta. Bhuj, Dist. Kutch**



**DATA SHEET-IV**

Eligibility Criteria of Tenderer:

Sr. No.	Eligibility Criteria	Documentary Proof to be attach along with the tender documents
01	The Tenderer should have minimum experience of 5 years in construction, supplying, surveying, designing & maintenance of Green House / Shade Nets/insect nets & Poly Houses nationally or internationally.	Attach copies of the work orders / experience certificate of work done during last five years. & provide CA Certificate as per Performa 5
02	Tenderer must have completed construction of at least. i. 25 numbers of Greenhouses with minimum 10 ha. of area applying for green houses ii. 25 numbers of net houses with minimum 10 ha. of area apply for net houses.	Provide list of growers with area, location and date of completion as per Performa 7.
03	Supplier should have own facilities for fabrication of various structures or own having own registered specification or authorized distributor/ dealer of a manufacturer company.	Attach Proof of having own facility, specification registration, authorized dealership Certificate.
04	Bidder should provide minimum 5 certificates of completion and satisfaction from 5 growers at various locations with a minimum area under greenhouse construction of each grower (must be not less than 1,000 sqm), in last 5 years.	Attach copy of work orders / other proof & list of growers with area and date of completion. as per Performa 7
05	The Tenderer must be having financial turnover from green house / net house activity of minimum Rs. 150 Lac per year and Rs.450 Lac cumulative during last three years.	Annual Report & Income Tax Return of last three years i.e. from 2013-14 to 2015- 16. If the Tenderer is also having different other activities under the firm account then separate CA Certificate regarding the tender criteria should be provided.
06	<b><u>For plug nurseries ONLY</u></b> The Tenderer Should be having experience of establishing projects and having appropriate technology.	Attach proof of work orders/ evidence for completing projects of plug nurseries.

## GENERAL TERMS AND CONDITIONS

1. **INVITATION OF TENDER:**  
**Gujarat Horticulture Mission** having its office at “Krushibhavan Bhavan” Sector No.10 -A, Gandhinagar-382010 hereafter called the “GHM” intends to invite Tender for supply of **Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House.**
2. The big sealed Cover marked with “**Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House for establishment at various Departmental Farms and Nurseries of Department of Horticulture, Govt. of Gujarat**” containing the TWO separate envelopes of your EMD and tender fee cover, Technical Bid cover should be submitted with each marked “**Official documents**” with a reference number and name of the work (document) and clear identification of the contents of the envelop i.e. “EMD & tender fee”, & “Technical Bid” & to  
Mission Director,  
Gujarat Horticulture Mission  
“KrushibhavanBhavan” Sector No. 10-A,  
Gandhinagar-382010

### (A) EMD and tender fee Cover:

The EMD Cover should contain the amount of EMD and Tender form Fees in the form of Demand Draft in favor of “Mission director, Gujarat Horticulture Mission” payable at “Gandhinagar” only.

### (B) Technical Bid Cover:

- i. Technical bid cover should contained original copy of price tender form including ITIT along with attested copies of GST and CST registration certificate and other certified documents.
- ii. The Tenderer must be having financial turnover from construction/supply of green house / net house/plug nursery activity of minimum Rs. 150 Lac per year and Rs.450 Lac cumulative during last **THREE** years. The bidder should submit complete set of Audited Accounts for the **THREE** financial years (i.e. . from 2013-14 to 2015- 16.) in support of turnover criteria. The complete set of accounts means the auditor’s report, Balance sheet, Profit and Loss account, all schedules referred to in the balance sheet and profit & loss account, Notes to the accounts as well as Accounting policies adopted by the entity while preparing such set of account. The facts and figures regarding turnover mentioned in the accounts will be verified and if any discrepancies found in the submitted accounts the tender will be rejected.
- iii. The details of constitution of the firm, names and address of the proprietors/Directors and also details of sister concern if any in format enclosed as Performa No. 4.
- iv. Any other documents required in T.E. including documents mentioned in clause 28

**(C) Financial Bid:**

Financial Bid should contain only rates/prices of item including all taxes. It may be noted that Financial Bid will be submitted only through e-tendering no offer in physical form will be accepted and any such offer if received shall be rejected.

**3. THE TENDER:**

This tender is being invited through e-Tendering where every Tenderer needs to participate through <https://doh.gujarat.gov.in/www.nwr.nprocure.com> website. Apart from online tendering the physical tender should be submitted duly signed and sealed by the Tenderer on each page of the offer. The Tenderer shall submit all the sets of their complete offer in the same sealed envelope. These shall be the legible copies and duly bound. Physical copies of Technical Bid Cover and EMD along with the tender fees Cover should reach GHM between date and time shown in the **Data Sheet-I. Financial Bid will be submitted only through e-tendering.**

**4. AMENDMENT OF TENDER:**

At any time prior to the due date of opening of tenders, **Gujarat Horticulture Mission** may for any reason either on its own initiative or in response to a clarification requested by Tenderer, modify the Tender conditions and specification by amendment. The Corporation may also modify the time frame and may extend the date of final submission if required.

**5. EARNEST MONEY DEPOSIT:**

- Tenderer should pay the EMD by way of Demand Draft in favour of **Mission director, Gujarat Horticulture Mission**. Payable at Gandhinagar as per Performa No: 3
  - The Demand draft of EMD should be kept in the EMD cover only with covering letter and details in format enclosed as per Performa No. 3 EMD cover will be open first; and if the payment of EMD is found in order then only the cover containing the Technical bid will be opened. The tender submitted without EMD shall be rejected.
  - EMD will be forfeited if the offer is rejected by **Mission director, Gujarat Horticulture Mission** for any violation of tender terms.
  - EMD of the unsuccessful bidders will be return after placement of order with the successful Tenderer.
  - No interest will be payable on EMD.
  - In case of any dispute EMD will not be returned until the settlement of dispute.
  - EMD of successful Tenderer will be return once the successful bidder submits the Security Deposit.
6. The offer should be valid for six months from the date of opening of the technical bid. In case the finalization of the tender is delayed, the Tenderer will

be asked to extend the same without any change of terms and conditions of the offer. If any change is made, during the original or the extended validity period, the offer will be liable for outright rejection without entering into further correspondence in this regard and no reference will be made in this regard.

7. The Tenderer should submit attested copy of Board Resolution of company or Power of Attorney authorizing particular person to sign tender and related documents.
8. The Tenderer shall be deemed to have satisfied himself with all the Conditions and circumstances affecting the prices and the possibility of executing the work.
9. All the Tenderer are requested to mention the name of their authorized representative with full address in the tender documents with details of addresses of office / residence phone nos. Mobile no., Email address etc. in Performa No. 6. In case the representative is changed during the course of execution of the contract such changes shall be notified by the successful Tenderer, failing which Gujarat Horticulture Mission shall not accept any responsibility.
10. The Tenderer shall specifically note that any overwriting or corrections or manuscript in the bid shall be ignored and will not be considered authentic unless the same are signed with tenderer's Stamp / Seal.
11. In case of any doubt or interpretation of the terms and condition, the decision of the Gujarat Horticulture Mission will be final and binding upon the Tenderer and no dispute in this regard will be entertained.

12. **EFFECT AND JURISDICTION OF CONTRACT:**

The contract / contracts shall be considered as having come into force from the date of issue of order / orders, which is / are accepted by the Contractor / contractors. The laws applicable by the contract shall be the laws in force in India. **The courts of Gandhinagar shall have Jurisdiction in all the matters arising under this contract/ these contracts.**

13. **AGREEMENT BOND:**

The successful Tenderer only shall be given Performa of Agreement Bond only after approving the rates. The agreement should be executed within time limit with the security Deposit.

14. **SECURITY DEPOSIT:**

The successful Tenderer has to submit Security Deposit of 5% of Tender Value on acceptance of Tender within 10 days of the work order. The tenderer can submit the Security Deposit either in the form of Demand Draft or Bank

Guarantee. The Security Deposit if paid in the form of Demand Draft then it should be in favour of **Mission director, Gujarat Horticulture Mission**, payable at Gandhinagar. The Bank Guarantee should also be in the favour of **Mission director, Gujarat Horticulture Mission**. **Validity of the performance bank guarantee shall be for three years. The security deposit shall be refundable after three years of satisfactory completion of the work and found satisfactory after sales services.**

**15 SECURITY DEPOSIT WILL BE FORFEITED WHEN:**

1. The contract is terminated before the expiry of contract period.
2. The Tenderer fails to supply stores/complete the work in accordance with the Terms and Conditions of the contract / tender
3. The tender is rejected on the ground of giving any information of documents or affidavits which is / are misleading / false / incorrect/ contradictory / fabricated.

N.B.: Failure to supply stores/complete the work in accordance with the terms and Conditions of contract / tender shall be decided by the Mission Director of Gujarat Horticulture Mission.

**16. Consortium/ Joint venture**

Bids from group of entities (the "Consortium") are allowed to coming together to implement the Project. However, no Bidder applying individually or as a member of a Consortium, as the case may be, can be member of another Bidder. The term Bidder used herein would apply to both a single entity and a Consortium. In case of consortium, lead party should have more than 50% stake in implementation of the project and should govern all the responsibilities for the project including financial liabilities. No. of consortium partner should not exceed more than 3. Role of each consortium partner should be clearly defined in the technical bid.

**17. COMPLETION / DELIVERY PERIOD:**

The Tenderer should agree with activity wise time bound programmers for completion of work in all respects of the terms and conditions of this Tender. The Tenderer shall confirm that on placement of order, the supply and installation of **Vegetable Plug Nursery, Green House & Net House** at various locations be done within 120 days. So., the Tenderer should keep their production capacity and stock available in mind while quoting.

**18. FORCE MAJORE**

If, at any time during the continuance of this contract, the performance in whole or any part by either party of any obligation under this contract shall be prevented or delayed by reason of any war hostility, act of the public enemy, civil commotion, Sabotage, fires, floods, explosion, and epidemics. Quarantine restriction, strikes, lock-outs or acts of God (hereinafter referred to as event) then provided notice of

the happening of any such event is given by either party to the other within seven days from the date of occurrence there of neither party shall be reason of such event be entitled to terminate this contract nor shall either party shall have any claim for damages against the other in respect of such non performance or delay in performance and deliveries under the contract shall be resumed as soon as practicable after such event has come to end or ceased of exist, and the decision of the **Gujarat Horticulture Mission**. as to whether the deliveries have been so resumed or not shall be final and conclusive.

Provide further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 7 days, either party may at its option terminate the contract.

**19. ARBITRATION:**

All questions, disputes, or differences whatsoever, which may, at any time, arise between the parties i.e. the **Gujarat Horticulture Mission**. and the contractor / contractors upon or in relation to or in connection tie the contract / contracts shall be referred to the Mission Director, Gujarat Horticulture Mission shall be final and binding. Upon the parties, further, in case of any dispute or differences or questions arise at the field level between the contractor/s and the authorized field level officers or Gujarat Horticulture Mission, the decision of the Gujarat State Seeds Corporation Ltd shall be final and binding on the contractor/s.

**20. INSPECTION AND QUALITY ASPECTS:**

Directorate of horticulture/ Gujarat Horticulture Mission will appoint a Technical Inspection Team/ Agency in consultation. Technical Inspection Team/ Agency will be responsible for inspections of the supplied and installed Green House / Net House /Plug nursery as per the tender specification.

**21 MAINTENANCE & TRAINING & WARRANTY PERIOD:**

- Tenderer will have to train the person who is running Green House / Shade net house and its maintenance so that the system can be operated trouble free.
- In the event of any instrument / component getting broken or damaged during installation and trial run at the site before handing over the system, Tenderer shall replace the same free of cost.
- The warranty / guarantee period for the components / equipment used in shall be **three years** from the date of handed over of the installed project and if any equipment / component is found to have manufacturing defect within the warranty / guarantee period, Tenderer shall replace the same free of cost within seven days of intimation and if repairs are required, it shall also be carried out by you within the aforesaid five days at your cost.
- In case of any repair / replacement of fitting / spare parts (except for manufacturing defect which is free) during the period of 3 years from the

date of handing, the supplier will supply the same at the prescribed printed price list duly approved in advance. However, Tenderer must maintain free of cost of services and ensure availability of fittings and spare parts of the total system within five days of getting the request. This is to ensure optimal crop performance and system sustainability.

## **22. Penalty**

Eligible bidder shall complete the establishment work as per tender specification in stipulated time prescribed in contract agreement. In case of delay, Rs.10,000/- per day will be charged as penalty for non completion of the work in time bound manner until the work is completed.

## **23. QUANTITIES:**

At the time of awarding the contract, Gujarat Horticulture Mission. Reserves the right to increase or decrease the quantity of work specified in the tender without any change in the unit prices or other terms and condition of the bid and bidding document. Corporation reserves the rights to award the work to one agency or split the work to more than agency.

## **24. PRICES:**

Price quoted by the Tenderer shall remain firm during the performance of the contract and not be subject to variation on any account. A bid submitted with a price variation basis shall be rejected.

GHM does not bind himself to accept the lowest tender and reserves the right (1) to reject one or part of one tender or all the tender or (2) to accept any one or part of one tender or all the tenders for the same item .or (3) to cancel one or all the tenders without assigning any reasons thereof, and no further correspondence shall be entertained in this context.

## **25. TERMS OF PAY MENT:**

**The payment terms for supply and installation of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House is as under:**

1. 25% of cost after receiving and inspection of the material
2. 25 % after erection and inspection of GI structures
3. 40 % after completion of work/project, receiving of completion certificate from vender and satisfactory inspection report of the Technical inspection team/agency.
4. 10% after two months of commissioning and handing over of the work/project

**26. POST TENDER CORRESPONDANCE/ENQUARY:**

Any correspondence or enquiry subsequent to opening technical or financial bids is not desirable and if the same is indulged into. Gujarat Horticulture Mission. may disqualify the tender. The Tenderer will be required to abstain from pursuing / canvassing the matter, directly or indirectly with any officers of Gujarat Horticulture Mission as the same would also amount to disqualification of the tender.

**27.** Gujarat Horticulture Mission does not accept the printed conditions of any Tenderer. It will be ignored without any reference; hence Tenderer should withdraw such printed conditions if they have any.

**28. DOCUMENTS TO BE ENCLOSED WITH TECHNICAL BID:**

**A.** A checklist for the document to be enclosed along with the Technical Bid is mention in Performa No. 1. With the tender form. The Tenderer must ensure that all the documents required as per the list are enclosed and recorded in the check list (in tenderer's letter head only)

- i.** Copy of Memorandum & Articles of Association of company or Partnership Deed
- ii.** Company/Firm Registration No., Company/Firm Permanent Account No., Sales Tax Registration No., vat No. if applicable, date and issuing authority.
- iii.** Full set of Audited accounts certified by C.A. for the year from 2013-14 to 2015-16 of the firm / company is support of Turnover criteria. & CA Certificate as per Performa 5
- iv.** Name and addresses of Proprietor / Partner / Directors and details of sister concern if any case in enclosed Performa No.4.
- v.** Copies of the work orders / experience certificate of work done during last five years as proof of experience of the firm of five years.
- vi.** List of the projects with area and date of completion of whom of **Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House** Construction during last five years as per performa 7
- vii.** Proof of own facilities for fabrication of various structures or own specification/ authorization as a supplier of a manufacturer.
- viii.** Experience Certificate of establishing Plug Nursery and having appropriate technology.

**B.** Tenderers' attention is drawn to this specific point that all the documents, intended to submit must be enclosed along with the Technical Bid Cover only.



- C.** In order to ensure that the submitted documents of the Technical Bid are maintained permanently in the form in which they are submitted, it is advisable to submit the contents of the Technical Bid in the “Spiral Binding Form”, instead of submitting the same by tying.
- D.** Please enclose only the required / demanded documents / Performas in order. Documents / Performa which are “not pertaining to” must not be enclosed.
- E.** An opportunity to comply the deficiency within 7 working days from the date of opening of the Technical Bid has been withdrawn vide “Accompaniment to Government in Industries & Mines Department’s Resolution No.SPO/102000/2491/CH, dated 20.02.2004. No compliance shall be allowed in any circumstances once the tender is submitted in the Technical Bid along with submission of the tender itself. The tender shall be processed on the basis of available documents / certificates / permissions / affidavits/ information. Thus, the Tenderer are advised in their own interest to submit all the required documents duly attested in their own interest to submit all the required documents duly attested with effective validity and complete from all aspect in order to save their tender from being disqualified / rejected.
- F.** If the requisite documents are not submitted or even if submitted but are not in proper format, the tender is liable to be rejected.
- G.** Each information must be submitted in “relevant Performa duly filled up” must be signed and stamped by the Tenderer.
- H.** Submitted documents / certificates must be on the name of the tendering firm and of the address of the premises where items quoted are actually manufactured.
- I.** All the documents to be enclosed shall be either in English or Gujarati or Hindi. If any document is produced in any language other than these, true translation copies of each document in English shall have to be enclosed duly attested by a Government Gazetted Officer or notarized. Failure to submit English translation in such cases shall render the document invalid and disqualified, which may ultimately render the tender liable for rejection. However, attested photocopy of such original document in vernacular language must be submitted invariably along with the translated copies of the documents.
- J.** Copies of all the documents produced by the Tenderer should be clear and legible, otherwise it will not be considered.

- K.** It must be noted that the documents, once submitted along with the tender, shall neither be handed over to the tenderer / his representative nor be allowed for want of either attestation or correction.
- L.** The tenderer should “high-light” all the important features of the submitted documents, such as, Name of the document, Issue date, Registration number, License number, Permission number, Validity of the Document, Expiry Date of the document, Issuing authority, List of Products, Page Number of the document, etc. **with the help of “highlighter” or “marker pen”**. This is for quick examination / verification of the document.
- M.** It shall be the responsibility of the tenderer to ensure that necessary certifications / documents / permissions / licenses / permits...etc are pertaining to the tendering firm as well as must be valid till the expiry of the contract, unless otherwise specified for the validity.
- N.** Before submission of the tender, the tenderer must verify that he has submitted all the relevant certificates / licenses / permissions / permits / documents...etc are pertaining to the tendering firm as well as must be in proper format along with the tender.
- 29.** Revision of prices or any financial terms affecting the price after opening of technical bids shall not be considered and will be ignored.

The Tenderer should invariably write the name and address of the Company, on all sealed covers of EMD - tender fee cover and Technical Bid, otherwise, the tender covers without the name and address shall not be opened which may please be noted.

- 30.** Tenderer should invariably fill up the details of all the Annexure / Appendixes / Formats including. This is mandatory. Also all the Annexure / Appendixes / Formats / Schedules should be duly signed by authorized signatories with their rubber stamp and along with Company’s Rubber (Round) seal / Stamp affixed on each paper

All the Tenderers must ensure that all the relevant documents / papers submitted with the tender should be serially numbered, properly bounded / tied together. This must be adhered to.

- 31. EXPLANATION REGARDING SOME OF THE DOCUMENTS TO BE ENCLOSED:**

**Sales Tax Clearance Certificate (STCC) / Month-wise payment of Sales Tax / Month-wise payment of Commercial Tax:**

- ❖ Since “Value Added Tax” (VAT) is applicable in some states, the Tenderer must enclose relevant certificate for “Sales / Commercial Tax Clearance”.

- ❖ In lieu of “Sales Tax Clearance Certificate”, proof of payment of Sales Tax for each month of the preceding financial year, must be submitted. However, the Tenderer shall have to be submitting the “Sales Tax Clearance Certificate” immediately upon receipt of the same.
- ❖ The Tenderer shall mention clearly about the Sales Tax Exemption, if any and copy of such Exemption must be enclosed.

**32. GUIDELINES FOR SUBMITTING FINANCIAL BID :**

1. The rates shall be quoted for a lot only through e-tendering on the website of n-Procure. Physical copy of the Financial Bid need not be submitted & if attached shall not be considered and bid should be rejected.
  2. The prices quoted by the Tenderer will be firm for the entire contract without any escalation.
  3. Prices will be inclusive of all taxes.
  4. The rate quoted must be for the F.O.R. destination delivery at various locations mentioned in the Data Sheet III.
33. All prevailing rules, regulations, guidelines, instructions, etc. pertaining to purchase procedure, issued by Government of Gujarat through its various resolutions / circulars / letters, and shall also be applicable to this tender.

Mission Director,  
Gujarat Horticulture Mission  
“KrushibhavanBhavan” Sector No. 10-A,  
Gandhinagar-382010

Performa No.1  
**Check List**  
**TECHNICAL BID**

(To be filled in by the Tenderer on Tenderer's Letter Head only and to be retained with Technical Bid only)

Tender Document No. \_\_\_\_\_

Name & Address of Tenderer: \_\_\_\_\_

S. No.	Documents / Certificates	Requirement Criteria	Whether attached Yes/No	Page No. of the enclosure
1.	Tender Form	Compulsory		
2.	Copy of Company / Firm Registration Certificate No	Compulsory		
3.	Memorandum & Articles of Association / Partnership Deed	Compulsory		
4.	Copy of Company/Firm Permanent Account No.	Compulsory		
5.	Copy of Sales Tax Registration	Compulsory		
6.	Full set of accounts for the year from 2013-14 to 2015-16 for turnover	Compulsory		
7.	Performa 3 : EMD and Tender Fees	Compulsory		
8.	Performa 4 : Details of Proprietor / Partners / Directors	Compulsory		
9.	Performa 5 : CA Certificate	Compulsory		
10.	Performa 6 : Details of Contact Person.	Compulsory		
11.	Performa 7: Projects undertaking by the Tenderer	Compulsory		
12.	Performa 8: Manufacturing Capacity of Tenderer.	Compulsory		
13	Performa 9: company Profile of Tenderer	Compulsory		
14	Service Tax exemption Certificate & other documents as per clause 31 of tender document	Compulsory		
15	Any documents requested as per any terms of the tender documents	Compulsory		
16	Any other documents	--		

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

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

Signature of the Competent & Authority  
 Seal of Manufacturer

**TECHNICAL BID**  
**Performa No.2**  
**Technical Specification of the Product**

Details of structures to be constructed at Chanvai, Valsad/ Sunshi, Mahesana/ Kukma –Bhuj.

Sr. No.	Type of Structure	Unit Size Sq meter	Chanvai	Sunsi	Kukma	Total	Total Area (Sq. m.)
			No. of Unit/s	No. of Unit/s	No. of Unit/	No. of Units	
1	Vegetable plug nursery	1000	0	1	0	1	1000
2	Poly house	1000	1	0	0	1	1000
3.a	Poly Tunnels (50X10) Naturally Ventilated	500	6	2	0	8	4000
3.b	Poly Tunnels (50X8)	400	0	2	0	2	800
4	Insect Net	1000	0	2	1	3	3000
	<b>Total</b>		<b>7</b>	<b>7</b>	<b>1</b>	<b>15</b>	<b>9800</b>

**Suggested technical specifications of poly tunnels with top ventilation**

Sl. No.	Items	Description/Specifications
1	Product	Poly tunnel with open ventilation
2	Size, (Approximate)	480 -500 sqm. (Usable area) Hockey/ balcony area
3	Height	4.7 meter height at vent to bar, side vent height 2-2 meter
4	Cladding material	UV stabilized 200 micron Plastics films conforming Indian Standards (IS 15827: 2009), five layered, anti drip, anti fog, diffused and having minimum 85% level of light transmittance
5	Insect proof Net	UV stabilized 50 mesh size net, HDPE white colour, BWG 0.17-0.25 mm covered sides and entrance Blocks penetration of birds and fly's and insect 27% wind, 8-10% shade. A high-density polyethylene net, super-stabilizer against UV rays.Blocks penetration of insect and protect against pest. The net is made from monofilaments that are manufactured with special UV resistance materials, giving the net durability and longevity, it has strong tucked selvages and is flexible, light and easy to spread. 25-27 % shade
6	Carries Trellis	Support Up to 30 kg/m <sup>2</sup> hanging load.
7	Trellis system	Dutch type with all facility to support up to 36000 plants/ha. (Space between the plants 0.4 m between the plants and 0.8 m between the rows).For the capsicum, tomato, cucumber etc. (4 mm & 4.5 mm 1/7 twisted transverse cable & 3 mm length wise (10) wing for crop trellising )
9	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120 km/hr. There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to highlight design features and list of greenhouse clients. Structure should be parabolic type.
10	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly. Material must be hot dip GI of BIS not less than 300 GSM(Gram per Sq.mtr). The structure is prefabricated and assembled on site by means of bolts, nuts and washers only, without welding. The structure is made of galvanized steel pipes and profiles for long life. This enables easy implementation and full adaption to all related subsystems used in modern greenhouse production. The structure is designed for wind speed of 100 km/h & 25 kg/m <sup>2</sup> vertical load. <ul style="list-style-type: none"> <li>• Arch: made off 60mm pipe.</li> <li>• Along the structure at 2.2 m level &amp; on ridge vent, 60×40 C- profile with Omega lockers (with coated springs).</li> </ul>

		<ul style="list-style-type: none"> <li>• Front gables 40×80 profile to support the gable while giving free entrance for cultivation.</li> <li>• 2×1.9 pre-galvanized sliding doors covered with 6 mm double wall polycarbonate.</li> </ul>
	Sidewall	12 × 4 meter
	Columns	60 mm OD or equivalent section, 2 mm thick
	Trusses	Bottom & top cord 48 mm OD or equivalent section, 2 mm thick
	Trusses member	42 mm OD or equivalent section, 2 mm thick
	Purlin	33 mm OD or equivalent section, 2 mm thick
	Purlin member & others	33/25 mm or equivalent section, 2 mm thick
11	Foundations	Insert GI pipes of minimum 90 mm OD or more to have foundation depth of 1.2 m. Cement concrete mixture of 1:2:4 using telescopic insertion of column. Column + foundation : made from 90 mm pipe, depth 1.2 meter.
	Fasteners	All nuts & bolts must be of high tensile strength and galvanized.
	Entrance room & Door	One entrance room of size 2 m x 2 m x 2 m (L x W x H) need to be provided and covered with 200 micron UV stabilized plastic film. Two hinge doors of size 2 m width & 2.5 m height double leaf made in poly carbonate /FRP sheets mounted in suitable strong frame. Door should be frilly moving and see through for visitor purpose.
	Vent	Vent pipe 25 OC and opening 0.900 meter
12	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two way aluminum profiles with suitable locking arrangement along with curtain top. Wooden batons or PVC grippers need not be used.
13	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter must be inserted to fix shade net into Aluminum Profile.
14	Curtains and insect screen	Roll up UV stabilized 200 micron plastic film as curtains need be provided up to 2.0 m or more height on two sides having manual operated. Anti-flapping strips is suggested to ensure smooth functioning of the curtain. Manual roll-up curtain on both sides, made of ¾” pipe and same polyethylene as the roof cover, The curtain is secure to the tunnel by 8mm rope. One meter width overlap will ensure rain resistance at the beginning & end of each curtain. 5 layered 200 microns IR 504
15	Shade net	UV stabilized thermal aluminates 50% shading net with manual operated mechanism for expanding and retracting. Size of net should be equal to the floor area of poly tunnel.
16	Drip Irrigation System with	Drip irrigation system under poly tunnel need to be selected on the basis of crop spacing (design on spacing 30cm x 30

	fogging & misting facility	cm) along with fogging facilities. Assembly with manifold, PVC pipe 63 mm/6 kg cm <sup>2</sup> , PVC pipe 50 mm/6 kg/cm <sup>2</sup> , PE plane lateral 16 mm, Emitting pipe lateral 16mm- @ 0.30 m 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 2000 liter and fittings & all necessary accessories.
After sales services (The firm have to provide)		
18	Warranty	Free maintenance for three year from the date of installation (hand over).
19	Training	Free training for operation, maintenance and production for one year.
20	Testing	All plastic materials used in the greenhouse should be tested by the CIPET for quality assurance.



**Suggested technical specifications of poly tunnels:**

Sl. No.	Items	Description/Specifications
1	Product	Poly tunnel
2	Size (Approximate)	400 +/- 15% sqm. (Usable area)
3	Ridge Height	4.7 meter height from the center.
4	Cladding material	UV stabilized 200 micron Plastics films conforming Indian Standards (IS 15827: 2009), five layered, anti drip, anti fog, diffused and having minimum 85% level of light transmittance
5	Insect proof Net	UV stabilized 50 mesh size net, HDPE white colour, BWG 0.17-0.25 mm covered sides and entrance
6	Carries Trellis	Support Up to 25 kg/m <sup>2</sup> hanging load.
7	Trellis system	Dutch type with all facility to support up to 36000 plants/ha. (Space between the plants 0.4 m between the plants and 0.8 m between the rows).For the capsicum, tomato, cucumber etc.
9	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120 km/hr. There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to highlight design features. Structure should be parabolic type.
10	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly. Material must be hot dip GI of BIS not less than 275 GSM(Gram per Sq.mtr)
	Columns	60 mm OD or equivalent section, 2 mm thick
	Trusses	Bottom & top cord 48 mm OD or equivalent section, 2 mm thick
	Trusses member	42 mm OD or equivalent section, 2 mm thick
	Purlin	33 mm OD or equivalent section, 2 mm thick
	Purlin member & others	33/25 mm or equivalent section, 2 mm thick
11	Foundations	Insert GI pipes of minimum 60 mm OD or more to have foundation depth of 1.2 m 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 must be of high tensile strength and galvanized.
	Entrance room & Door	One entrance room of size 2 m x 2 m x 2 m (L x W x H) need to be provided and covered with 200 micron UV stabilized plastic film. Two hinge doors of size 2 m width & 2.5 m height double leaf made in poly carbonate /FRP

		sheets mounted in suitable strong frame.
12	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two way aluminum profiles with suitable locking arrangement along with curtain top. Wooden batons or PVC grippers need not be used.
13	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter must be inserted to fix shade net into Aluminum Profile.
14	Curtains and insect screen	Roll up UV stabilized 200 micron plastic film as curtains need be provided up to 2.2 m or more height on two sides having manual operated. Anti flapping strips is suggested to ensure smooth functioning of the curtain.
15	Shade net	UV stabilized thermal 50% shading net with manual operated mechanism for expanding and retracting. Size of net should be equal to the floor area of poly tunnel.
16	Drip Irrigation System with fogging & misting facility	Drip irrigation system under poly tunnel need to be selected on the basis of crop spacing (design on spacing 30cm x 30 cm) along with fogging facilities. Assembly with manifold, PVC pipe 63 mm/6 kg cm <sup>2</sup> , PVC pipe 50 mm/6 kg/cm <sup>2</sup> , PE plane lateral 16 mm, Emitting pipe lateral 16mm- @ 0.30 m 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 2000 liter and fittings & all necessary accessories.
17	Curtain wall	22cm brick wall of 1 m height (24 cm 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.
After sales services (The firm have to provide)		
18	Warranty	Free maintenance for three year from the date of installation (hand over).
19	Training	Free training for operation, maintenance & production for one year.
20	Testing	All plastic materials used in the greenhouse should be tested by the CIPET for quality assurance.

**Suggested technical specifications of Naturally Ventilated Greenhouse**

Sl. No.	Items	Description/Specifications
1	Product	Naturally Ventilated Greenhouse
2	Size (Approximate)	1000 Sq.Mtr (Usable area)
3	Bay size	8m x 4m, Width of greenhouse should be at least 35 % of the desired length.
4	Ridge height	7.5 m height
5	Ridge Vent	1.2 m or more opening fixed with 50 mesh nylon insect screen as per area and height of the structure.
6	Gutter height	4 to 4.5 m from floor area (depending upon height of the structure)
7	Gutter slope	2% slope need be provided in civil foundation work/ structure
8	Gutter material	1.5 mm thick GI sheet with perimeter of 500 mm and single length without joint with industrial pressed.
9	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120 km/hr and minimum load of 25 kg/m <sup>2</sup> . There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to highlight design features and list of greenhouse clients. Subsoil drainage should be ensured. Roof top water harvesting channelized to water tank.
10	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly. Material must be hot dip GI of BIS not less than 300 GSM(Gram per Sq.mtr)
11	Columns	76 mm OD or equivalent section, 2 mm thick
	Trusses	Bottom & top cord 60 mm OD or equivalent section, 2 mm thick
	Trusses member	48 mm OD or equivalent section, 2 mm thick
	Purlin	42 mm OD or equivalent section, 2 mm thick
	Purlin member & others	33/25 mm or equivalent section, 2 mm thick
	Foundations	Insert GI pipes of minimum 60 mm OD or more to have foundation depth of 1.2 m 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 must be of high tensile strength and galvanized. ( 120 GSM )
	Entrance room & Door	One entrance room of size 3 m x 3 m x 3 m (L x W x H) need to be provided and covered with 200 micron UV stabilized plastic film. Two hinge doors of size 2 m width & 2.5 m height double leaf made in polycarbonate/FRP sheets mounted in suitable strong frame.
12	Cladding material	UV stabilized 200 micron Plastics films conforming Indian Standards (IS 15827: 2009), five layered, anti drip, anti fog, anti

		sulphur, diffused and having minimum 85% level of light transmittance.
13	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two way aluminum profiles with suitable locking arrangement along with curtain top. Wooden batons or PVC grippers need not be used.
14	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter must be inserted to fix shade net into Aluminum Profile.
15	Curtains and insect screen	Roll up UV stabilized 200 micron plastic film as curtains need be provided up to 3.0 m or more height on all sides having automatic type motor operated crank mechanism. However, provision for manual opening 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.
16	Shade net	UV stabilized thermal 50% shading net with motor operated mechanism for expanding and retracting. Size of net should be equal to the floor area of greenhouse.
17	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 30 cm x 30 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/6 kg/cm <sup>2</sup> , PE plane lateral 16 mm, Emitting pipe lateral 16mm- @ 0.30 m 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 & all necessary accessories. Discharge of emitter is 1.5 lph or as per requirement and complete micro/mini-sprinkler system on the top of the vents of the greenhouse. Should provide Mon -block Pump set with 3 hp Motor
18	Curtain wall/ Apron	22cm brick wall of 1m height (24 cm 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.
19	Trellis system	Trellis system as per international standard and as per crop requirements. Dutch trellising system for capsicum, tomato, cucumber.
After sales services (The firm have to provide)		
20	Warranty	Free maintenance for three year from the date of installation (hand over).
21	Training	Free training for operation, maintenance & production for one year.
22	Testing	All plastic materials used in the greenhouse should be tested by the CIPET for quality assurance.

**Suggested technical specifications of Plug Nursery with fully automatic climate control, Fan & Pad cooling System**

Sl. No.	Items	Description/Specifications
1	Product	<b>Plug Nursery ; Greenhouse with Fan &amp; Pad Cooling</b>
2	Size (Approximate)	1000 Sq.Mtr (Usable area)
3	Bay size	8m x 4m, Width of greenhouse should be at least 35% of the desired length.
4	Ridge height	6.0 m
5	Gutter height	4.0 m from floor area
6	Gutter slope	2 % slope need be provided in civil foundation work/ structure
7	Gutter material	1.5 mm or thicker GI sheet with perimeter of 500 mm and single length without joint with industrial pressed.
8	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120 km/hr and minimum load of 25 kg/m <sup>2</sup> . There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to highlight design features and list of greenhouse clients. Subsoil drainage should be ensured. Roof top water harvesting channelized to water tank.
9	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly. Material must be hot dip GI of BIS not less than 300 GSM (Gram per Sq.mtr)
10	Columns	76 mm OD or equivalent section, 2 mm thick
	Trusses	Bottom & top cord 60 mm OD or equivalent section, 2 mm thick
	Trusses member	48 mm OD or equivalent section, 2 mm thick
	Purlin	42 mm OD or equivalent section, 2 mm thick
	Purlin member & others	33/25 mm or equivalent section, 2 mm thick
	Foundations	Insert GI pipes of minimum 60 mm OD or more to have foundation depth of 1 m 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 must be of high tensile strength and galvanized (120 GSM)
11	Entrance room & Door	One entrance room of size 3 m x 3 m x 3 m (L x W x H) need to be provided and covered with UV stabilized plastic film. Door made up of poly carbonate/FRP sheet. Two hinge doors of size 2mwidth & 2.5 m height double door with sliding and made of glass. Wind shield at gate entrance should be provided.

12	Cladding material	UV stabilized 200 micron plastics films conforming Indian Standards (IS 15827: 2009), five layered anti drip, anti-fog, anti sulphur, diffused, and having minimum 85% level of light transmittance.
13	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two way aluminum profiles with suitable locking arrangement along with curtain top. Wooden batons or PVC grippers need not be used.
14	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter must be inserted to fix shade net into Aluminum Profile.
15	Co-axial fan	Minimum 4 Co axial fan (ISI mark) of minimum 1200 mm diameter containing 6 numbers of GI sheet blades, frame is of GI sheet materials followed by aluminum louver.
16	Cellulose pad for cooling	Cellulose pad of thickness 4" - 6" 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.
17	Circular pump with accessories for cooling pad	Circular pump with required capacity & accessories to be provided for wetting & circulating the pad area along with min. 10000 liter of water storage facilities to wet the pad
18	Digital controller with sensory devices	The necessary digital controller with sensory device & accessories of standard quality (at least two units for 500 sqm area) should be provided to operate the fan & pad system to control temperature & humidity inside the Greenhouse.
19	Electric wiring inside greenhouse	Use copper wire to withstand desired load of required electrical gadgets/appliances with ISI mark. Wiring should be extended up to the source of power available at the farm
20	Thermal net	UV stabilized 50% thermal net with motor and manually operated mechanism for expanding and retracting. Size of net should be equal to the floor area of greenhouse.
21	Irrigation System with fogging & misting facility	<ol style="list-style-type: none"> <li>1. Boom irrigation system along with dosing pump and pvc tank to 500 liter and irrigation tank with capacity of 10000 liter.</li> <li>2. Industrial fogging system should be provided to maintain appropriate humidity and temperature in the structure</li> <li>3. Irrigation system with Sand Filter 5 m<sup>3</sup>/hr, Screen Filter 10 m<sup>3</sup>/hr, Control Valves 63 mm, Control Valve 50mm, By-pass Assembly 1.5", Air Release Valve 1", Non Return Valve 1.5", Throttle Valve</li> </ol>

		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/6 kg/cm <sup>2</sup> , PE plane lateral 16 mm, Emitting pipe lateral 16mm- @ 0.45m spacing,  4. Top washing coupled with micro sprinklers.
22	Footpath	1m wide and 10 cm thick footpaths should be provided in the center of the structure whereas footpaths of appropriate size should be provided between two raw of the racks (length x width) & made of cement concrete ratio of 1:2:4.
23	Curtain wall/ Apron	22cm brick wall of 1 m height (24 cm below and 80 cm above ground level on all the four sides. The walls need to be plastered and water proofing cement with 1:6 ratio.
Note: Optional items - provision to be made for opening & closing of ventilation system in case of power failures.		
24	Seedling rack/Table	Seedling rack & table/growing benches with top inside the playhouse made with G.I. pipe and aluminum section so as to hold the seedling tray in flat position. Growing benches should be 80 cm in height and 1.22 m in width. Having distance of 0.60 Meter between two at top level racks. Appropriate plastic pulg try should be provided.
25	Germination room	Separate germination room of minimum 2000 square feet. along with humidity, temperature control and having rack system to stalk the tray suitable for minimum 1000 plug tray
After sales services (The firm have to provide)		
26	Warranty	Free maintenance for one year from the date of installation.
27	Guarantee	Three years of guarantee for tools, equipment, electronic items and machineries used.
28	Training	Free training for operation, maintenance & production for one year.
29	Testing	All plastic materials used in the greenhouse should be tested by the CIPET for quality assurance.
30	Automatic control system	It includes automatic control system of irrigation, Cooling and humidity, temperature control with <u>programme</u> Fertigation, climate, Ec measurement & PH control System. - dynamic <u>programme</u> according to temperature & humidity along with appropriate Sensors like, weather, etc and Data storage

**Suggested technical specifications of Net house:**

Sl. No.	Items	Description/Specifications
1	Product	Net house with flat roof
2	Size (Approximate)	1000sqm (Bay size 8 × 4 m ) (Usable area)
3	Ridge Height	5 meter height from the center.
5	Insect/shade Net	Structure should be made of insect proof net. For insect net house, 50 mesh size net, HDPE, 0.17-0.25 mm covered at top and all sides and entrance from HDPE.  The thermal shade net light spectrum should be provided inside the structure. It should have 40 % shade factor. It should be UV stabilized so that it should last long for minimum 3 years. GSM should be minimum 100.
6	Carries Trellis	Support Up to 30 kg/m <sup>2</sup> hanging load.
7	Trellis system	Dutch type with all facility to support up to 36000 plants/ha. (Space between the plants 0.4 m between the plants and 0.8 m between the rows).
9	Structural design	The structural design need to be sound enough to withstand wind speed minimum 120 km/hr. There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to highlight design features.
10	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly. Material must be hot dip GI of BIS not less than 275 GSM(Gram per Sq.mtr)
	Columns	60 mm OD or equivalent section, 2 mm thick
	Trusses	Bottom & top cord 48 mm OD or equivalent section, 2 mm thick
	Trusses member	42 mm OD or equivalent section, 2 mm thick
	Purlin	33 mm OD or equivalent section, 2 mm thick
	Purlin member & others	33/25 mm or equivalent section, 2 mm thick
11	Foundations	Insert GI pipes of minimum 48 mm OD or more to have foundation depth of 1 m 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 must be of high tensile strength and galvanized.(120 GCM)
	Entrance room & Door	One entrance room of size 2 m x 2 m x 2 m (L x W x H) need to be provided and covered with UV stabilized insect net of 50 mesh. Two hinge doors of size 2 m width & 2.5 m height double leaf made in plastic/FRP sheets mounted in suitable strong frame.
12	Fixing of	All ends/joints of net need to be fixed with two way aluminum



	cladding materials	profiles with suitable locking arrangement along with curtain top. Wooden batons or PVC grippers need not be used.
13	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter must be inserted to fix shade net into Aluminum Profile.
14	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 30 cm x 30 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/6 kg/cm <sup>2</sup> , PE plane lateral 16 mm, Emitting pipe lateral 16mm- @ 0.30m 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,emmitter discharge 1.5 lph. Water tank of capacity 5000 liter and fittings & all necessary accessories.
15	Curtain wall	22 cm brick wall of 1 m height (24 cm 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.
After sales services (The firm have to provide)		
18	Warranty	Free maintenance for three year from the date of installation (hand over).
19	Training	Free training for operation, maintenance & production for one year.
20	Testing	All net materials used in structure should be tested by the CIPET for quality assurance.

**General terms and conditions for construction of different structures:**

1. Irrigation system should be supplied only through Gujarat Green Revolution Company empaneled companies with approved technical standards.
2. The installation of micro Irrigation system should be through the firms registered under Gujarat Green Revolution Company. In case, the installation is not through the registered firm, the payment on account of micro irrigation system will not be the released.
3. Thermal net should be 30%-50%, made up of HDPE with hot dip aluminates and minimum HDPE should be 100 and aluminum coating should be 25 micron with manual/motorized operation.
4. Area of structure means cultivable area/useful area for cultivation.
5. **Rain Water Harvesting** – Gutter should be provided with funnel and plastic PVC pipe from top to the bottom for rain water harvesting with their underground connections.

**TECHNICAL BID**

**Performa No. 3**

**COVERING LETTER OF EMD / TENDER FORM FEES**

(To be submitted by the Tenderer on his printed Letter Head only)

(To be kept in EMD / Tender Form Fee cover only)

To,  
The Mission Director,  
Gujarat Horticulture Mission.,  
"Krushibhavan", Sector No.10 "A".  
Gandhinagar- 382 043.

Tender No. \_\_\_\_\_

**Sub.: Submission of EMD & Tender Form Fee for the Supply of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House for establishment at various Departmental Farms and Nurseries of Department of Horticulture, Govt. of Gujarat.**

Please find here enclosed the EMD & Tender Form Fee Payment as per following details:

Sr. No.	Particulars	Number	Date	Amount Rs.	Bank & Branch
1.	Demand Draft of Tender form Fees			5000.00	
2	Demand Draft EMD:			2,60000	

I / We clearly understand that the failure to enclose EMD payment OR failure to enclose valid documents for EMD on the Spot rejection of tender as per the Terms and Conditions of the tender. I / We clearly understand that the documents pertaining to EMD payment enclosed elsewhere, other than in "EMD Envelope) shall also constitute On the Spot rejection of tender as per the Terms and Conditions of the tender.

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

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

**Stamp & Signature of the Tenderer**

Performa No. 4

**TECHNICAL BID**  
**DETAILS OF PROPRIETOR / PARTENERS/DIRECTORS**  
(To be submitted on Tenderer's Letter Head only)

Tender document No.: \_\_\_\_\_

Name & Address of Tenderer: \_\_\_\_\_

Sr.No.	Particulars	Proprietor-1 / Partner / Director	Proprietor-2 / Partner / Director	Proprietor-3 / Partner / Director	Proprietor... / Partner / Director
1	Name				
2	Address				
3	Phone No.(O) (with STD code)				
4	Fax No.(with STD code)				
5	Phone No.(R)(with STD code)				
6	Mobile No.				
7	E-Mail Address				
8	Residential Address				

N.B.: Strict out whichever is not applicable.

**Name and Addresses of the Sister Concerns**

Sr.No.	Name of the Firm	Address
1		
2		
3		

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

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

Signature of Competent Authority  
Seal of Manufacturer

**TECHNICAL BID**  
**Performa No. 5**

**C.A. CERTIFICATE**

**Production and Sale data**

This is to certify that I have verified the Accounting records of M/s \_\_\_\_\_ having its office ..... and factory .....

Based on my verification the Sales Turnover of M/s ..... from the activity of **Supply Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House** is as under:

Year / Activity	Sales Turnover from <b>Vegetable Plug Nursery</b>	Sales Turnover from <b>Poly tunnels/ Poly house</b>	Sales Turnover from <b>Insect Net/ Shade House</b>

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

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

Stamp & Signature of the CA

Performa No. 6

**TECHNICAL BID**

**Details of Contact Personnel**

(To be submitted on Tenderer's Letter Head only)

In the event of need of communication, I / We \_\_\_\_\_  
\_\_\_\_\_ hereby authorize following official  
as our contact personnel:

1	Name of Personnel	
2	Designation	
3	Phone Number with STD Code-(Office)	
4	Fax Number with STD Code	
5	Phone Number with STD Code-(Residence)	
6	Mobile Number	
7	Telex	
8	Telegram Code	
9	E-mail	

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

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

Signature of Tenderer

Performa No. 7

**TECHNICAL BID**

**Project Undertaken by the Tenderer**

(To be submitted on Tenderer's Letter Head only)

**Details of successful Construction & installation of Green House / Shade net house / Plug Nursery during last five years:**

We are furnishing herewith the details of Green House / Net House / Plug Nursery successfully constructed and installed by us during the period of last five years:

Sr. no.	Name of Company/farmers	Country/State	District	Address for communication	Date of Completion	Contact no. Mobile/lanline with STD code	Area covered under drip irrigation system

I here by confirm that all the above information is true to the best of my knowledge & belief.

Seal of Organization

For & on behalf of

Date:

Performa No. 8

**TECHNICAL BID**

**Manufacturing Capabilities of Tenderer**

(To be submitted on Tenderer's Letter Head only)

1. Address of manufacturing site
2. Manufacturing capabilities of major components

Sr.no	Name of Component	BIS Certificate no. & date of issuance	Production capacity/year as per documentary evidence available	No. of molding machine	No. of extruder

3. BIS license No. & Validity date (enclose copy) for components manufactured by you.

4. If you are a ISO company please attach copy of the certificate.

5. Actual Production based on excise / Audited Records during last five years:

Year	Production (in Rs.)

I here by confirm that all the above information is true to the best of my knowledge & belief.

Seal of Organization

For & on behalf of

Date:

Performa No. 9

**TECHNICAL BID**

**Company profile of Tenderer**

(To be submitted on Tenderer's Letter Head only)

1. Name of the firm : \_\_\_\_\_
2. Nature of firm : Company/partnership firm/ proprietorship
3. Address : \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E Mail: \_\_\_\_\_

4. Year of establishment:

5. Details of Organizational set up of professional experts/specialists:

Particulars	Discipline						
	Agriculture engineering	Agronomy	Horticulture	Plant protection	Soil science	MBA	CA
No. of experts							
Experience							
Nationality							

6. Organization set-up/net work:

Particular	Posted at Area Office (Nos.)	Posted at Regional Offices(Nos.)	Persons posted in the field (Nos.)
Administrative Staff			
Agronomists.			
Agri. Engineers			

7. Dealer network in India (attach district wise list of dealers with full address)

8. Name, address telephone no. & fax numbers of the Bidders banker's who may provide reference if contacted by the Directorate

9. Information (if any) on litigation history during last five years in which the Bidder is involved.



Address of the parties with whom bidder is involved in litigation	Cause of dispute	Amount involved (Rs.)	Present status –remarks

I here by confirm that all the above information is true to the best of my knowledge & belief.

Seal of Organization

For & on behalf of

Date:

Place:

**FORMATE FOR FINANCIAL BID ONLY FOR INFORMATION**  
**FINANCIAL BID TO BE SUBMITTED ONLINE ONLY**

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

Tender No.:- \_\_\_\_\_

To,  
Mission Director,  
Gujarat Horticulture Mission  
“ Krushibhavan Bhavan “, Sector No. 10 - A,  
Gandhinagar - 382 010

SUB: SUBMISSION OF FINANCIAL BID FOR **establishment Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Department of Horticulture, Govt. of Gujarat**  
Ref: - Tender Document No: - Director of Horticulture; COE/01/2016-17

Sir,

With reference to your advertisement in newspaper Dated: \_\_\_\_\_.  
I am offering my rate for **establishment of Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House at various Departmental Farms and Nurseries of Department of Horticulture, Govt. of Gujarat.** I had read and understand all the terms and conditions of GSSCL and agreed to abide the same. This rate is with all the taxes and delivery and installation at various locations as mentioned in Data Sheet III.

**Location Vegetable Plug Nursery, Poly tunnels/ Poly house & Insect Net/ Shade House**

Sr. No.	Type of Structure	Total Area (Sq. m.)	EMD (Rs. In lac)	Rate per Sqm. Including all taxes & F.O.R. at various Location specified under the Tender documents
1	Vegetable plug nursery	1000		This is a parforma, Bid to be submitted online only
2	Poly house	1000		
3.a	Poly Tunnels (50X10) Naturally Ventilated	4000		
3.b	Poly Tunnels (50X8)	800		
4	Insect Net	3000		
	Total	9800		

Thanking you,

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

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

Parties Rubber Stamp

**SPECIAL NOTE BEFORE ENCLOSING DOCUMENTS:**

It is observed that most tenders enclose the documents (in Technical Bid) by applying a tag-knot on the upper left corner of the pages/documents and some apply only "U" pin or a "clamp". In such cases, the documents get damaged while handling. It is, therefore, requested to enclose your documents PREFERABLY BY SPIRAL BINDING.

**THIS IS PAGE NUMBER ...43.....**

**PLEASE ENCLOSE YOUR  
DOCUMENTS / CERTIFICATES / LITERATURES...ETC**

**FROM  
THIS PAGE ONWARDS  
AS PER THE SEQUENCE IN ANNEXURE-I  
AND INSERT PAGE NUMBERS  
STARTING THE FIRST ENCLOSURES**

**AS PAGE NUMBER.....**

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