



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**
"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL
Phone (0755)- 2556857 EMAIL: mpagrohobpl @gmail.com

NOTICE INVITING ONLINE E TENDER

FOR SUPPLY AND COMMISSIONING VARIOUS INFRASTRUCTURES
FOR CENTER OF EXCELLENCE

NURABAD
DISTRICT MORENA

DUE DATE 13/07/ 2021



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**
"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL
Phone (0755)- 2556857

HO/ HORTI /2021-22/

Bhopal Dated 28-06-2021

**ONLINE E-TENDER FOR SUPPLY AND COMMISSIONING OF
VARIOUS INFRASTRUCTURES**

On-line E-tender is invited under e-tendering system for SUPPLY AND COMMISSIONING of various infrastructures at Nurabad district Morena up to 2.00 PM on 13/07/2021 along with Earnest Money Deposit, from eligible suppliers as detailed in the E-tender documents, which is available at www.mpagro.org and www.mptenders.gov.in. Amendments if any, will be published on above website. No further notification will be published in the news paper.

Manager (Horticulture)



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**

"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL

Phone (0755)- 2556857 EMAIL: mpagrohbpl @gmail.com

**E-TENDER DOCUMENT FOR SUPPLY AND INSTALLATION OF
VARIOUS INFRASTRUCTURES**

This document contains 33 pages as below:

S. No.	Particulars	Annexure no	Page No
1	Meaning of the words in the document		5
2	Disclaimer, E-Tender Process, Prologue , Scope of Work Instruction to Bidder	Annexure 1	6-7
3	General Terms and Conditions	Annexure 2	8-12
4	Applicant Company Profile	Annexure 3	13
5	Affidavit	Annexure 4	14
6	Authority to submit E-Tender	Annexure 5	15
7	Eligibility Criterion	Annexure 6	16
8	Technical specification for Fan and Pad system Green house 500 sq, mt	Annexure 7	17-19
9	Technical specification for Naturally ventilated greenhouse with thermal screen 1000 sq. mt.	Annexure 8	20-21
10	Technical specification for Walk in Tunnel 450 sq mt	Annexure 9	22
11	Technical specification for Shade net House 1000 sq mt	Annexure 10	23
12	Technical specification for Advance Fertigation Auto Water Mix	Annexure 11	24-25
13	Technical specification for Auto Sand Filter & Accessories	Annexure 12	26
14	Technical specification for Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station	Annexure 13	26
15	Specification for Water Tank	Annexure 14	27
16	Treatment and Filtration Plant 5000 Lt capacity	Annexure 15	27
17	Room for Computerized Fertigation System	Annexure 16	28

18	Packing Shade with Cold Chamber	Annexure 17	28
19	Sorting & Grading Fully equipped _ Incubation facilities for farmers	Annexure 18	29
20	Soil Solarization with Steam Generator	Annexure 19	30
21	Diesel Generator Set with AMF Panel and electrical accessories	Annexure 20	30
22	Financial Proposal	Annexure 21	31
23	Draft Agreement	Annexure 22	32
24	List of Mandatory Documents to be uploaded (Self Certified with Seal and signature)	Annexure 23	33

Meaning of the words in the document

The Corporation	M.P. State Agro Industries Development Corporation Ltd.
E Tender	Online Tender invited for this purpose
Beneficiary/ Consignee	Assistant Director Horticulture Morena cum Mission Secretary , District Horticulture Mission Morena
Application forms/ the document	Application forms and all other relevant annexure documents
Applicant / Bidder /offerer	As per eligibility criterion mentioned in this document, firm who submit online tender for supply and commissioning of various infrastructures as per document
The supplier	Applicant / Bidder whose rates are approved and an agreement for supply & commissioning of various infrastructures has (have) been executed with the Corporation under this E tender
EMD	Earnest Money Deposit
SD	Security Deposit
Department	Directorate of Horticulture and Farm Forestry Madhya Pradesh Bhopal and Mission Director , State Horticulture Mission Madhya Pradesh Bhopal
Managing Director	Managing Director of M P State Agro Industries Development Corporation Ltd Bhopal
Various infrastructures	Infrastructures mentioned in this document

A. DISCLAIMER

Though adequate care has been taken in the preparation of this E tender document, the Bidder should satisfy himself that the document are complete in all respect. Intimation of discrepancy, if any, should be given to M.P. Agro before date mention under this E tender document. Due to restriction imposed in context to COVID 19 pre-bid meeting is not being arranged, therefore Intimation of discrepancy or queries may be sent through e mail. If M.P. Agro receives no intimation, it shall be deemed that the bidders are satisfied that the document is complete in all respects.

B. E-Tender Process

The Rates for supply and Commissioning of various infrastructures are invited under E- Tender system and bidding process will have following steps:

Tender Fee	Rs.10000/--- Rs. Ten Thousand only)
EMD	Rs 3,00,000/--(Rs.Three Lac only)

Stages of Bidding

Process	Scheduled date	Scheduled time
Purchase of E- Tender	29/06/2021 to 8/6/2021	up to 2.00 pm
Due date for receipt of Queries or suggestions from Applicant (tenderer) if any pertaining to terms & conditions mentioned in E tender	02/07/2021	5.00 pm
Pre Bid Meeting	No Pre-Bid meeting is scheduled due to restriction imposed in context to COVID 19	
Due date for uploading reply to queries or suggestions	05/07/2021	4.00 pm
Start of Bidding	05/07/2021	5.00 pm
Closing of bid	13/07/2021	2.00 pm
Date and time for submission of hard copies of signed E tender documents with required annexure(s) /documents under E tender	Hard copies are not required	
Opening of Technical Bid	14/07/2021	2.30 pm
Date of submission of Clarification through e mail if needed in Submitted Tender Document	15.07.2021	2.30 pm
Opening of Financial (Price) Bid	Date & time will be communicated to eligible bidders	

Each stage will take place on the date and time mentioned against them.

Prologue :

Department of Horticulture is in process to set up Centre of Excellence for Vegetable at Government Farm Village- Nurabad, District-Morena, Madhya Pradesh. This center requires various infrastructures such as Hi-Tech Green house, Naturally Ventilated Poly-houses, Insect Proof Net-houses, Walk-in Tunnels, Vermi Compost units etc. To supply & commission of such the infrastructures, E-Tender is invited

C. Scope of Work

It covers supply and Commissioning, After Sales Services, Repair and Maintenance .

E. INSTRUCTION OF TENDERER :

The rates are invited under e-tendering system from the manufacturers. The Bidders are required to read carefully the terms and conditions and upload the E tender document duly signed as a token of acceptance of terms & conditions, after affixing their digital signatures.

E tender document and relevant annexure shall be uploaded in JPG or PDF format only, in minimum resolution of 600 DPI. Document uploaded in other format will not be considered.

Scanned copies of all desired documents mentioned in Qualification Criteria and EMD must be uploaded. Bidders are required to submit hard copies of complete technical bid including qualification criteria and related documents/technical literature/Boucher duly signed (except Price Bid) along with proof of EMD.

All documents uploaded on website must be clear and readable. In case of any non clarity of uploaded documents or any dispute over documents uploaded online in E-Tender, the hard copies submitted by the offerer shall be treated final.

Bidders are advised to upload their offer well in time without waiting for last date of offer submission in order to avoid congestion or any other unforeseen circumstances.

Manager {Horticulture}

GENERAL TERMS AND CONDITIONS

01- PROCEDURE FOR RATE CONTRACT

- 1.1 The Corporation invites E tender for supply and commissioning of various infrastructures as specified in Annexure 7 to Annexure 20 from eligible bidders.
- 1.2 Not more than one offer will be accepted from any bidder. If any individual participating in the offer, representing more than one firm in one or different names and it comes to our knowledge at any point of time, all such offer will not be entertained and shall be liable for rejection.

02- AVAILABILITY OF E-TENDER DOCUMENT

The document is available on website www.mptenders.gov.in and www.mpagro.org of the corporation for viewing. The E-Tender is to be uploaded online at www.mptenders.gov.in. The Cost of tender document is Rs 10000/-- -(non refundable) which is to be deposit on line.

03- SUBMISSION OF E-Tender

The Corporation invites online E tender for supply and commissioning of various infrastructures as mentioned in this document (Annexure 7 to Annexure 20).

- 3.1 All the Mandatory Documents to be uploaded (Self Certified with Seal and signature) as per list in **Annexure 9** shall be uploaded in JPG or PDF format only, in minimum resolution of 600 DPI. Document uploaded in other format will not be considered.
- 3.2 Self-attested hard copies are not required and online documents submitted will be considered for evaluation. In case of clarification needed , the same will be obtained through e mail and tenderer is bound to clarify the issues in prescribed time limit, failing which tender will be disqualified.
- 3.3 The Envelope of Hard Copies shall be submitted in a sealed cover super scribed with words "E Tender for supply and Commissioning of various infrastructures

4. Technical information regarding eligibility

- 4.1 Envelope should contain documents as mentioned in this document.
- 4.2 Hard Copies received in the offer box up to due date and time will be opened on due date and time as mentioned already. In case of any non clarity of uploaded documents or any dispute over documents uploaded online in E-Tender, the hard copies submitted by the offerer shall be treated final.

The Corporation will not be responsible for any delay on any account in receipt of offer. If the offer is received after the specific date and time even if the delay in receipt was caused in postal transit or any other reason, whatsoever. On-line offer will be open on due date and time as mentioned in Annexure 1 point B in the presence of the representative of firms who wishes to be present. Date of opening of Financial Offer (price bid) will be intimated to all eligible bidders.

05- E-Tender DOCUMENT

The Bidder is expected to read carefully all instructions, conditions of the E-Tender Document, draft agreement, Specifications, all annexure, Failure to comply with the requirements of offer submission will be at the offerer risk. Bidders that are not substantially responsive to the requirements of the E tender documents will be rejected. The Bidder has to submit Affidavit as per Annexure 4 on non-judicial stamp paper of Rs 1000/--.

06- EARNEST MONEY DEPOSIT (EMD):

Bidder has to deposit required Earnest Money Deposit (EMD) Rs.03.00 lakh

- (i) Earnest Money of all unsuccessful Offerer will be returned. No interest is payable on the amount of EMD at the time of refund.
- (ii) Earnest Money shall be forfeited if the offer is withdrawn.
 - a. At any time prior to its rejection,
 - b. Before or after the acceptance is communicated to the Offerer.
 - c. If the selected Offerer fails to execute the agreement within prescribed time limit.
 - d. If it is found that false documents/ information are submitted.
- (iii) The EMD will remain with the Corporation during the currency of the contract and/or till successful execution of all the order placed during the currency of the contract and will be refunded to the supplier without interest in case of no dispute.
- (iv)- **Earnest money of successful Offerer will be adjusted against Security Deposit (SD) at the time of the execution of the agreement.**

07- SECURITY DEPOSIT (SD):

- (i) The Security deposit will remain with the corporation during the currency of the contract and will be refunded to the supplier without interest in case of no dispute.
- (ii) Security deposit will be forfeited in case of failure of supply of the material as mentioned in the purchase order, in time and as per the approved specifications or for any breach of terms and condition of the agreement and E tender.
- (iii) The security deposit will be refunded after the successful execution of all orders during currency of the contract period provided no dispute; claims or complaints exist for settlement without interest.

08- TECHNICAL SPECIFICATION:

Technical Specifications are given in Annexure 7 to annexure 20. Supplier has to supply items as per the specification.

09- QUOTING OF RATES :

- 9.1 The Bidder must submit rates online only as per format given in Annexure 21. The rates should be inclusive of supply and commissioning of infrastructures.
- 9.2 Rates for Infrastructures Should be given on Turn Key Basis i:e the rates must include the cost of material, cost of installation, all the taxes whatsoever. ,corporation margin (5% of rates offered) and F.O.R. destination.
- 9.3 The Bidder should quote their lowest price, in accordance to the condition mentioned in clause No. 10. **The Bidder shall have to offer consolidated price for all infrastructures.** The price should be inclusive of all except applicable taxes.

10- REASONABILITY OF RATES:

Offerer shall have to offer his lowest rates for the offered item.

11- NEGOTIATIONS: It is clarified that normally, no rate negotiation will be done and therefore the offerer should quote their lowest prices only. However the Managing Director of the Corporation may decide to give counter offer of the rates decided by the corporation to all eligible offerers.

12- VALIDITY OF APPLICATION: Application received in against this E tender are valid for acceptance for 6 months from the last date of Submission.

13- VALIDITY OF RATE : The Rate Contract against this E tender is valid up to 6 months.

14- EXECUTION OF AGREEMENT:

- (a) The successful offerer shall have to execute an agreement as per **Annexure 22** with the Corporation. The agreement will be executed on non-judicial stamp paper of Rs. 1000/-the cost of the same will be borne by the offerer
- (b) The Corporation shall intimate the successful offerer regarding acceptance of his offer and inform him to execute an agreement. In case the offerer fails to execute agreement within time limit the EMD deposited by offerer shall be forfeited. After executing agreement, the term Bidder will be replaced by the term **supplier**.

15- PLACEMENT OF ORDER:

1. The Managing Director at Head office /Regional Manager of the Corporation shall place purchase order to the supplier.

16- SCHEDULE AND MODE OF SUPPLY / PAYMENT

1. The supplier has to supply and install the ordered infrastructures within 60 days from the receipt of order of the Corporation.
2. In special case, supplier may request in writing to the Commissioner Horticulture and Farm Forestry (under intimation to district office of the Corporation) for extension in time limit mentioned above(in point 16.1) . On receipt of such request, the Commissioner may extend time limit and inform in writing to supplier as well as to the Corporation.
3. Failure on the part of the supplier for supply/installation, may lead to forfeiture of the Security Deposit and the rate contract shall stand cancelled and agreement terminated.
4. If any dispute regarding the quality/ quantity of the material supplied, the Corporation will make payment after settlement of the dispute only

PAYMENT

On successful installation of protected cultivation infrastructure the payment shall be released on "Payment after Payment" basis. (i:e on receipt of payment from consignee the corporation will make 90% payment of invoice to supplier.

Remaining 10% payment will be released after completion of warranty.

17- TARNISIT INSURANCE:

The Supplier will arrange for Transit Insurance and Material supplied should be covered under Transit insurance for Road Risk, Theft, Pilferage, and Non Delivery Risk (RRTPND).

18- WARRANTY

Warranty required for various infrastructure will be 2 years from date of installation.

- 19- **TRAINING:** Official posted at Center of Excellence Nurabad District Morena will be imparted one day training. During training, the supplier shall demonstrate operation as well as maintenance of Infrastructures.
- 20- **AFTER SALE SERVICE AND MAINTENANCE:** The supplier shall be fully responsible for maintenance and the satisfactory performance of various infrastructures during the warranty period.
- 21- **TESTING FOR QUALITY:** If required, Testing will be carried out by third party for which expenditure on testing will be borne by supplier. In case, components used in infrastructure found substandard in first testing, the supplier will be penalized as decided by the Managing Director of the Corporation.
- 23- Submission of E tender shall deem to be the acceptance by the Offerer of the all the terms and conditions contain herein.

- 24- The Managing Director of the Corporation reserves the right to accept or reject any or all the offers without assigning any reason whatsoever at any time prior to the award of the contract, without incurring any liability to the affected offerer and any obligation to inform the affected offerer of the grounds.
- 25- **PURCHASE PREFERANCE:** As per the policy of the State Govt. in respect of purchase of material for the use of Corporation purchase preference to the extent of 30% shall be given to those Manufacturers who belong to the SC/ST category. A self certified photocopy of certificate issued by competent Authority.
- 26- **INSPECTION:** The Managing Director may decide to inspect the Production / Quality Control Facilities of the offerer before or after the execution of agreement. If any time it is found that the information submitted by Offerer/Supplier is not according to the documents submitted the Managing Director reserves the right to reject the offer or terminate the agreement.
- 27- The Managing Director of The Corporation reserves the right to impose penalties at his discretion for breach of the terms and conditions (commensurate with the losses incurred) which may be forfeiture of SD and/or debarring the supplier for maximum period of 5 years to supply all materials, whatsoever may be, through this corporation.
- 28- Managing Director of the Corporation reserves the right to amend or replace or change any condition without any notice, in exigencies required to do so.
- 29- In case of any amendments including extension of due date will be published on Corporation's website www.mpagro.org and www.mptenders.gov.in, and no further notification will be made in the news paper. Accordingly interested bidders are advised to keep close watch on the Corporation's website in their own interest. It is also to be noted that any such amendments will be a part of the Documents and will be binding on the bidder and it will be presume that the bidder has satisfied himself about such amendments
- 30- **Arbitration:** In case of any dispute arising between the supplier and Corporation the matter shall be referred to General Manager of the Corporation. In case the supplier is not satisfied with the decisions of General Manager the matter shall be referred to the Managing Director of the Corporation who will act as sole arbitrator finally passes his verdict, which will be binding, to supplier and Corporation.
- 31- For all legal proceedings the district court Bhopal will have jurisdiction.
- 32- It is the discretion of the Managing Director of the Corporation to accept/reject the application without assigning any reason thereof.

Manage {Horticulture}

Applicant COMPANY PROFILE

Sr.	Particular	Detail
1	Name of Organisation	
2	Nature of the Organisation	
a	In case of Public/Pvt. Ltd company (Certified copy of Certificate of incorporation for companies & Memorandum and Articles of Associations)	
b	In case of Partnership Firm (Partnership deed)	
c	In case of Proprietorship (Registration certificate, Factory registration, DIC – industrial registration)	
d	In case of society (Certified copy of registration deed with objects of constitution of society)	
e	In case of Corporation (Authenticated copy of the parent statute)	
3	Address with Phone No. and Fax No	
4	E mail	
5	Name and Contact details of the Authorized Person	
6	Any other details in support of your office	
7	PAN (attach attested copy)	
8	TIN	

Seal and Sign of

AUTHORISED SIGNATORY

AFFIDAVIT

We.....hereby offer for the supply of ----- Conforming to the Specifications as mentioned in E tender.

We undertake to supply such quantities of material as per Specification as mentioned in E tender , as we may be called upon to supply and under the conditions here-to enclosed during the allotted period from the date of execution of the agreement on the rates agreed upon, at the places to be specified by the M.P. State Agro Industries Development Corporation Limited within the specified delivery period.

We undertake that our firm has neither been Blacklisted/Debarred by any Government / Government Undertaking /Bank nor penalized on the same ground. We also undertake that no legal proceeding is pending in any Courts on the same grounds.

We undertake that the rates given to the Corporation are the lowest price, in accordance to the prevailing rates of the Company / their other authorized dealer & market condition. In case of any dispute or discrepancy in the submitted rates we will be sole responsible. In such cases the Corporation will be free to recover the losses or impose penalties as decided by the Managing Director of the Corporation.

We hereby agree to abide by and fulfill all the terms and conditions of contract annexed hereto and in default thereof to forfeit and pay to the M.P. State Agro Industries Development Corporation Limited, the penalties or sum of money mentioned in the said conditions.

I have read and fully understood the terms and conditions of supplies etc. mentioned in the documents.

Name :.....
Designation:.....
Signature with Office Seal..)

Witness:

- 1.
- 2.

Note: To be submitted on non judicial stamp of Rs 1000.00

**Authority to submit Tender
(On Producer company's letterhead)**

To,

The Managing Director
M.P.State Agro Industries Development Corporation Ltd.
Panchanan Bhawan, 3rd Flore ,
Malviya Nagar,
Bhopal

Sub : Authority to submit Rate Contract Offer

Dear Sir,

I.....Designation hereby authorize M/s
.....to submit Rate Contract Offer M.P. State Agro
Industries Corporation Ltd on behalf of the company due on 24.9.2020

We hereby undertake that the Company shall abide by all the terms and conditions as mentioned in
Tender Document.

I further certify that I am authorized to issue this certificate on behalf of the company.

If an order is placed with the authorized company as above, the company undertakes to supply the
order as per terms and condition of E tender

(Signature)

Name
Designation
Tel No
Mobile No
E mail

The following are the minimum eligibility criteria for submission of E- tender

1. The bidder shall have Annual turnover for last three financial (2017-18, 2018-19 & 2019-20) years, ending on 31 March 2020, should not be less than INR 30 Cr. in the field of similar type of facilities. The copies of the Profit & Loss statement also to be provided. The bidder should not be in loss in the last 03 financial years. The Turnover Certificate duly signed & stamped by Chartered Accountant.
2. The Bidder/Applicant should provide ITR (Income Tax Return) for last three financial year (2017-18, 2018-19 & 2019-20) with assessment year 2018-19, 2019-20 & 2020-21.
3. The Bidder/Applicant should have registered with ISO Certification.
4. The Bidder/Applicant should have minimum 5 years' experience in Establishment of Centre of Excellence in Govt./ Semi Govt. Department. (Attached Documentary proof of work order with completion certificate).
5. The Applicant should have executed at least 2 Centre of Excellence (at different locations) under separate contracts each having contract value not less than INR 5.00 Cr within last five years, anywhere in India. The copies of the satisfactory/completion/experience certificate issued by the client indicating the work.
6. The Bidder/Applicant should provide proposed work plan with CAD Design/Drawing/Layouts.
7. The Bidder should be clearly mentioned Make and Complete Specification of the Material along with catalogue/Leaflet/Brochure if any and submit the aforesaid with proposal (Make/Specification will be given by Department).
8. The Bidder should have registered with Department of Scientific and Industrial Research (DSIR) Govt. of India, Documentary proof should be attached.
9. Joint Venture for the said project is not allowed.
10. Bidders Company/organization should be a Private Limited/Government Registered Company.
11. An affidavit on Rs.1000/- Stamp Paper from Public Notary shall be attached/uploaded by the bidder with following declaration that:
 - a. Bidders shall not be under any declaration of ineligibility for corrupt and fraudulent practices issued by any State Government/GOE/ Union territory.
 - b. The Bidders shall not be blacklisted by any State Government/GOI/Union territory/State and Central Educational Institutes etc during last Ten Years at the time of submission of tender bid for any item or by any reason.

Technical Specification for Fan and Pad System Green House

Total Area: 500sq.m.

Dimension: 26.4m x 19.2m

Side Height: 3m

Centre Height: 4.5m

Buffer Room Size: 2.1m x 2.1m x 2.43m (L x W x H) – 01 No.

Door Size: 1.9m x 0.91m (Tall & Wide) – 02 Nos.

STRUCTURE:

A. Frame: All galvanized steel is used and design standards to take withstand of wind speed 120 km./hour. End wall and side wall framing Aluminum corner trims, aluminum ridge bar and Galvanized gutter trim Brackets & fasteners as required to assemble frame.

- 1) **Pipe: Pipes sections to be used for different Structural Member will be as below or equivalent :**
 - a) Columns: 80 mm × 50 mm in 2mm thick hot dip galvanized pipe.
 - b) Trusses: Bottom cord 32mm x 2mm; Truss Members 48mm × 48mm 2mm;Bracing 25 mm, pipe; structural member will be fitted with zinc plated nuts & bolts without welding.
 - c) Purlins: 32 mm × 2mm thick.
- 2) **All G.I pipes are galvanized.**
- 3) **Nuts and other metallic parts:** This includes all the elements required for joining and water tighten components (such as fittings, clamps, screws and nuts plated against corrosion).

DOUBLE DOOR ROOM:

- A) Double door room- of size 2.1m x 2.1m x 2.43m (L ×W×H) covered with 6mm thick Double layer polycarbonate sheet.
- B) Door – Double door size: 1.9m × 0.91m long & wide, normally lockable made with clear 6mm Double layer polycarbonate glazing, top & bottom tracks, jambs, flashings & installation hardware - 2 nos.

CLADDING:

Roof, front wall, end wall, & sidewalls of the Greenhouse-sets and double room for rigid covering.

6mm thick clear multiwall Sabic polycarbonate sheet, Aluminum Profile, EPDM gasket, Silicon sealant, and accessories. Roof and Side wall covers by 6mm, UV stabilized clear polycarbonate sheet details are giving below:

Sheet thickness	6mm
Structure	2 TS
Approx. Weight g/m ²	1300
Light Transmission	81%
K Valve	3

SHADING SYSTEM:

External shading system: 75% shading net (agro shade net) with rolling arrangement connecting pipe etc. can be rolled when not required

Internal Shading System: By Reflective, thermal-aluminium-screen silver with a motorized operated expanding & retracting mechanism will be provided.

COOLING SYSTEM:

Cooling Pad Size: **A)** 1.5mH × 19.2mW × 100mm thick evaporative CELDEC cooling pad complete with:

- All necessary framing material of Aluminum required supporting distribution & returning piping.
- Gutters, down spout end caps & drip pan, plumbing kit, pump 220 volt - 1 phase 50 cycles, Drilled PVC piping cap, pad retainer, all suspension hardware.
- Metal flashings as required to seal pad to vent opening, 4" thick evaporative cooling pad material.
- Pad Area: 19.2m W × 1.5mH × 100mm thick (w × h × Thickness)

Construction Material :

Aluminum Profiles: Tray Sides, Top Etc.

Plastic Profiles: Water Distribution tray.

Cooling Media: 100mm thick celdek 7090/500

At velocities of 1 to 3 M/s to give efficiency from 60 to 95%.

Filtration: 25 to 55mm viscous filter for 30 m efficiency.

Miscellaneous: Fasteners, Galvanized, Rivet- Aluminum.

Water storage Tank: PVC Tank 1000 liters.

Pump: 1 HP Mono block (Crompton or approved equivalent)

Slow Speed Axial Flow Fan: 48" single speed belt driven exhaust fan 1 hp, 220V, 50 cycles, 1 phase) 24,800 CFM each. 04 Nos.

FOGGING SYSTEM: 1.5HP heavy duty motor with screen filter, fogging nozzles, pipes, polymer water tank 1000 ltr.

WATER BOOMER APPLICATOR:

For irrigating the plants boomer with 3 ways nozzle, holding span rail/rod in a bay. Water boomer nozzles span is adjustable height-wise. Adjustable range of water applicator span: From Lowest 1.67 m. (up to a normal human eye height) to nearly 4.5m. qty 1

BENCHING SYSTEM :

Nursery Tray Benching System: for accommodation of 1000 seedlings trays (size 29" × 18") L x W), nursery tray holding station made by GI frame 32 x 32mm 2mm thick with aluminum frame 72mm x 42mm x 2.5 mm thick with Bench grouting CC : complete set

CONTROL PANEL FOR AUTOMATION:

Monitor Panel code no. 002264-00304, which includes Light, Temperature & Humidity Control System. For details of Microprocessor Photosynthesis Monitor Panel kindly see the below data-

a) Technical feature of Photoperiodic Timer

- Cycle: 24 hrs minimum ON/OFF period 30 minutes.
- Accuracy: ± 10 sec/day
- Input: 200-240 VAC, phase – single.
- Ambient: 5°C to 45°C, RH up to 85% normally.

b) Technical feature of Temperature Control System

- Temp. Range: 0.1 to 59.9°C.
- Accuracy: ± 1 °C.
- Hysteresis: 0.4°C with sensor probe Pt-100 Sensor cord 5 meters.
- Input: 200-240VAC (110 VAC available on demand), phase-single.
- Ambient: 5°C to 45°C, RH up to 85% normally.

c) Relative Humidity Control System: It maintains RH in the range of ± 4 %.

- Range: 30% to 90%.
- Real RH: ± 2 %. ± 1 digit (at 45%).
- Input: 220VAC (110VAC available on demand), phase- single.
- Ambient: 5° to 45°C, RH up to 95%.

Piltz Timer for humidity– (Code no. 00346-00497).

CIVIL WORK:

- A) Foundation wall** for all sides of Poly house along with the double door room. WIDE Based 1' below earth's surface, 1.5.' above earth's surface, as kick-board 9" wide. Frame base block height 2'.
- B) Floor:** ground covered by mat.

ELECTRICAL WIRING:

All wires will be of copper and desired load (Make-Hevells/Finolex) and switches imported make, extra switches also provided as standby. Each feature has own electric line with MCB and will be underground in PVC pipe complete set with A grade work. Separate electrical work, panel board and main switches as well.

SEEDLINGS TRAYS:

- a) **Thermal Tray** 198 cells: size: 730mm x 452mm x 60mm (L x W x H) made by high impact thermo Cole material. – 1000 Nos.
- Plastic Tray**, 99 cells: Tray Size: 360mm 450mm x 60mm (L x W x H), made by High impact polystyrene martial. – 4000 Nos.

NATURALLY VENTILATED POLYHOUSE

Total Area: 1000sq.m.

Dimension: 34.72m x 28.8m

Side Height: 4m

Centre Height: 5.5m

Buffer Room Size: 2.1m x 2.1m x 2.43m (L x W x H) – 01 No.

Door Size: 1.9m x 0.91m (Tall & Wide) – 02 Nos.

STRUCTURE:

Frame: All galvanized steel is used to take withstand of wind speed 120 km. /hour.

End wall and side wall framing Aluminum corner trims, aluminum ridge bar and Galvanized gutter trim Brackets & fasteners as required to assemble frame.

- 1) **Pipe: Pipes sections to be used for different Structural Member will be as below or equivalent :**
 - a) Columns: 80mm x 50 mm in 2mm thick hot dip galvanized pipe.
 - b) Trusses: Bottom cord 32mm x 2mm; Truss Members 48mm x 48mm 2mm; Bracing 25 mm, pipe; structural member will be fitted with zinc plated nuts & bolts without welding.
 - c) Purlins: 32mm x 2mm thick.
- 2) **All G.I pipes are galvanized.**
- 3) **Nuts and other metallic parts:** This includes all the elements required for joining and water tightens components (such as fittings, clamps, screws and nuts plated against corrosion).

DOUBLE DOOR ROOM :

- 1) **Double Door Room-** of size 2.1m x 2.1m x 2.43m (L xWxH) covered with 200mm thick polyfilm
- 2) **Door Size:** 1.9m x 0.91m long & wide, normally lockable made with clear 6mm polycarbonate glazing, top & bottom tracks, jambs, flashings & installation hardware.

CLADDING:**Attaching the Plastic on Roof & Side walls, of Polyhouse.**

200 micron UV stabilized poly film having 85% light transmission, multi-layered, anti-drip. This is attached with the structure by the spring & GRP profile & GRP clamps which click into it.

Later on, the spring can be clipped out in order to fit new plastic. The profile does not get distorted and the profile can also be used again.

VENTILATION SYSTEM:

- a) **Side Ventilation with manually operating system-** 34.72m. long and 1.52m high x 2 Nos. Roll-up plastic curtains, open able to 1.5m. in height (open from up to down) on two sides manually rollable, can rolled when not required. 40 mesh nylon insect - screen (UV stabilised) will be fixed inside the curtain on sides.
- b) **Top Ventilation:** Fixed Ridge Ventilation 1m. – 1.2 m. covered with 50 mesh nylon insect net.

INTERNAL SHADING SYSTEM:

By Reflective, thermal-aluminum-screen silver with a motorized operated expanding & retracting mechanism will be provided.

DRIP IRRIGATION SYSTEMS:

The system is provided with pressurized drip irrigation system with 2" Filter 120 mesh red, Valve/2", Air valve/1", Drip Lateral 16mm, Drip Net PC 16mm x 30cm x 1lph, RPVC 40mm 6Kg/cm2, RPVC 63mm 4Kg/cm2, 3HP pump, PVC fitting, Water tanks etc.

TRESSLING SUPPORT SYSTEM:

Vertical Trailing Ropes: these ropes are crops friendly and crop will be trailed on their ropes as plants of this variety will grow to the height ranging from minimum of 3 to 4 meters.

CIVIL WORK:

- A) Structure:** will be raised on C.C.(Concrete cement) block 1' x 1' 2'
Floor: Natural Soil.

WALK – IN – TUNNEL**Total Area:** 450 sq.m.**Dimension:** 46.87m x 9.6m**Side Height:** 2m**Central Height:** 4m**Shape:** Arc**Double Door Room:** 2.1m x 2.1m x 2.43m**Door Size:** 2m x 1m (Tall x Wide) - 01 No.**STRUCTURE:****Main features:** All Structures. Rafters, Perlins. Trusses are hot dip galvanized and design to take a wind load up to 120km/h.

Specification:

- Hot dip galvanized Steel Structure: Using galvanized tubular structure or equivalent sections.
- Pipe sections to be used for different Structural Member flange type will be as below or equivalent :
- Columns: 90 mm, pole 75 mm and Arch 60 mm x 2 mm
- Trusses: Bottom cord 42 mm x 2mm: Truss Members 48mm, Bracing 32 mm x 2mm. B-class G. **1.** Steel pipe: structural member will be fitted with zinc plated nuts & bolts without welding.
- Purlins: using specially designed profile 32mm x 2mm thick.

Fasteners and other metallic parts: Includes all the elements required for joining and water tightens components (such as fittings. clamps. screws and nuts plated against corrosion).

DOUBLE DOOR ROOM & SLIDING DOORS:**Double Door Room:** size: 2.1m x 2.1m x 2.43m (L xWxH) covered with 200 micron polyfilm sheet.**Doors:** Double door, each door size 1m. Wide & 2m. Tall single door complete with polycarbonate sheet glazing, top & bottom tracks, jambs, flashings & installation hardware.**CLADDING:**

- a) Roof Cladding: by 200 micron UV stabilized polyfilm having 85% light transmission, multilayered, anti-drip. This is attached with the structure by the spring & GRP profile & GRP clamps which click into it.

Later on, the spring can be clipped out in order to fit new plastic. The profile does not get distorted and the profile can also be used again.

- b) Sides, Front & Back Cladding: by covered by 40 mesh UV stabilized mesh.

SHADING ROOF SCREEN :

70:30 UV stabilized shade net.

DRIP IRRIGATION SYSTEMS:

The system is provided with pressurized drip irrigation system with 2" Filter 120 mesh red, Valve/2", Air valve/1", Drip Lateral 16mm, Drip Net PC 16mm x 30cm x 1lph, RPVC 40mm 6Kg/cm², RPVC 63mm 4Kg/cm², 2HP pump, PVC fitting, Water tanks etc.

CIVIL WORK:

Structure Raised on CC Frame base block height 3' x 9" x 9" each. **Floor:** Natural soil, as it is.

SHADE NET HOUSE

Area: 1000sq.m.

Size: 52.08m × 19.2m × 2.43m : 3.35m =1000sq.m.(L× W× SH : CH)

Shape: Dome

STRUCTURE:

Made by latest G.I. pipe in combination of 60mm, 50mm, 38mm & 32mm ±1mm Squire GI Pipe., for vertical members, roof truss, horizontal runners etc., including cutting, bended in required shape, complete as per requirements

DOOR: Size 7' × 3' (H×W) one no. with lock and pinion system.

COVERING:

All sides and roof with UV stabilized monofilament shading net, colour-green/black combination with aluminum profile and PVC coated lockable spring

AUTOMATIC SPRINKLER SYSTEM:

The complete system is provided with controller Nozzles: Micro sprinklers hanging type. Water Discharge: 70 LPH each nozzles. Lateral pipe: 16mm LDPE black. Filter: Disc. Spacing: N/N 2.5m x L/L 3.0m. Tank: PVC 1000 ltr. Pump: 0.5/1.0 hp as per requirement.

ELECTRICAL DEVICE:

High quality ISI approved fittings with FR grade copper cable and rigid standard of safety with proper M.C.B.

CIVIL WORK:

Structure Raised on cc (concrete cement) blocks 1'×1'×2'.

Floor: Natural soil, as it is.

IRRIGATION & FERTIGATION AUTO WATER FERTI-MIX MULTICHANNEL FERTIGATION AND IRRIGATION SYSTEM. (CENTRALIZED AUTOMATIC): FOR OPEN FIELD

A) Irrigation The system is provided with pressurized irrigation system with Filter mesh red, Valve, Air valve, Drip Lateral, Drip Net PC, RPVC, RPVC, as per required pump, PVC fitting, with water tanks etc.

B) Automated Fertigation System

Technical specifications:

- Mixing tank system: content of 110 ltr net with overflow connection.
- Level protection: minimum level detection switch in mixing tank.
- Number of dosing channels: 2 for fertilizer on EC-value and 1 for acid on pH-value.
- Dosing valve and: electrical quick action valve 124-DN5-24VCA-5W with nozzle Ø2.7mm.
- Dosing capacity per channel: 30-300 litres /hour of fertilizer or acid solution at 3.0 Bar.
- pump capacity net: 9.0 m³/hr net at 4.0 **Bar**:11.0 m³/hr net at 3.5 Bar
- Pump type: Grundfos CHI 12-25. are equivalent
- mains voltage pump: 3-phase, 380-415VAC-50Hz
- Power consumption pump: 2.8 kW.
- EC measurement : 2 EC-sensors with thermostat element 3kΩ/25°C for temperature compensation of the EC-value.
- pH measurement: 2 pH electrodes max. 10 bar, high pressure with coaxial cable 3meters and BNC-connectors, holders for bayonet mounting.
- Dimensions inlet and outlet: water pressure operated inlet valve 2" with float bellow and PVC inlet Ø63 mm and outlet Ø50mm.
- Frame construction: corrosion free materials.
- Electrical cabinet : manual switch, motor soft starter and thermal protection for pump.
- integrated I/O-network materials:
- * 1x power supply unit 9510 with ring core transformer to supply two voltages: 24VAC-205VA for control outputs, fans, relays, and 24VDC-75W for electronic circuits and modules For I/O-network functions will be built in:
- * 1x module EC interface for connection of two EC sensors
- * 1x module pH interface with two BNC connectors, suited for connection of two pH sensors

Configuration:

Water system	1
Litre counter measurement	1
EC/pH measurement and control	1
Fertiliser stock solution tanks	3
Dosing channel control	3
Water treatment recipe	2
Control of irrigation valve.	2

AUTOMATIC FERTIGATION AUTO WATER FERTI-MIX MULTICHANNEL FERTIGATION AND IRRIGATION SYSTEM. (CENTRALIZED AUTOMATIC): FOR ALL STRUCTURES GREENHOUSE HOUSE & POLYHOUSES

Automated Fertigation System

Technical specifications:

- Mixing tank system: content of 110 ltr net with overflow connection.
- Level protection: minimum level detection switch in mixing tank.
- Number of dosing channels: 2 for fertilizer on EC-value and 1 for acid on pH-value.
- Dosing valve and: electrical quick action valve 124-DN5-24VCA-5W with nozzle Ø2.7mm.
- Dosing capacity per channel: 30-300 litres /hour of fertilizer or acid solution at 3.0 Bar.
- pump capacity net: 9.0 m³/hr net at 4.0 **Bar**:11.0 m³/hr net at 3.5 Bar
- Pump type: Grundfos CHI 12-25. are equivalent
- mains voltage pump: 3-phase, 380-415VAC-50Hz
- Power consumption pump: 2.8 kW.
- EC measurement : 2 EC-sensors with thermostat element 3kΩ/25°C for temperature compensation of the EC-value.
- pH measurement: 2 pH electrodes max. 10 bar, high pressure with coaxial cable 3meters and BNC-connectors, holders for bayonet mounting.
- Dimensions inlet and outlet: water pressure operated inlet valve 2" with float bellow and PVC inlet Ø63 mm and outlet Ø50mm.
- Frame construction: corrosion free materials.
- Electrical cabinet: manual switch, motor soft starter and thermal protection for pump.
- integrated I/O-network materials:
- * 1x power supply unit 9510 with ring core transformer to supply two voltages: 24VAC-205VA for control outputs, fans, relays, and 24VDC-75W for electronic circuits and modules For I/O-network functions will be built in:
- * 1x module EC interface for connection of two EC sensors
- * 1x module pH interface with two BNC connectors, suited for connection of two pH sensors

Configuration:

Water system	1
Litre counter measurement	1
EC/pH measurement and control	1
Fertiliser stock solution tanks	3
Dosing channel control	3
Water treatment recipe	2
Control of irrigation valve.	2

AUTO SAND FILTER:

These filters offer excellent protection for surface water that contains organic contaminants.

Equipped with a 3-dimensional filtration body they provide deep filtration that is known to be the most efficient for all water types. Equipped with a very efficient back flush process they can be used with low pressure and relatively low flow rates. They are made from composite materials with no metal parts, so this makes them resistant to chemicals and acids and guarantees they are built to last. And finally, they have a small footprint so any infrastructure needed in order to position them in your farm is minimized.

Technical specification for Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station

Irrigation & Fertigation auto water fertile-mix (for All structures) multichannel fertigation and irrigation system. (Centralized Automatic) It consists of Fertigation Machine with EC/Ph Control- 1nos., Irrigation Controller – 1nos., with complete hardware and software, BAFO cable for connect, within controller and computer, control and safety valves, Sol. Valve Plastic and , Pressure Relief Valve Plastic , Auto Electric Panel For Irrigation Pumps, polymer tank, Stock solution tank 500 ltrs each -5 set with solenoid control valve, Computer, Chair and cable connection to boom irrigation of primary and secondary seedling houses,

Centralized weather data collection and retrieval system:

- a) Centralized computer/server/data logger to continuously record and retrieve all the weather data collected in different poly house structures, open field and automatic weather station.
- b) Temperature, RH and other sensors/Tensiometers (15cm and 30 cm in each location- 8Nos.) in all the greenhouses/net houses/open field /weather station etc to be integrated to a central computer/server to record the data continuously.

Annexure 14

Specification for Water Tank RCC

Water storage tank with pump set of min 20000 litre capacity

Size of Tank

Sr No	Tank Size (Dimension in ft)					Capacity
	Top Size	Bottom size	Depth	Mean	Side slope	
1	12.5X12.5	10.5X10.5	6.5	10.5X10.5	1:1	20000

Annexure 15

Water Filter RO System and storage tank:

5000 LPH R.O. system with 5000L x 3nos polymer water storage tank placed at 6ft high RCC platform from ground level (for auto filling of polymer tank used for misting, fogging and drip irrigation and fertigation) and housing for RO unit with PPGI sheet and GI pipe and complete plumbing job as per requirement.

Annexure 16

Room for Computerized Fertigation system :

Shelter for accommodate Fertigation machine, stock solution, room size: 10m x 5.5m x 2.6m:

3.5m. RCC and wall thickness 8" on all sides . and with cemented floor with one Door (3.2' X 6') with locking arrangement and one window (aluminum paneled) with exhaust fan and other electric connections.

Annexure 17

Packing Shed with Cold Chamber

Packing shed 14m x 6m x 3m : 4m (L x W x SH : CH)

PACKING HOUSE:

Size: L x W x H c : s 10m x 6m x 4m : 3m

Structure made by : hot dip galvanized structure.

Roof and all side covered with PPGI sheet with lockable door

Door: Aluminium sliding door 1m wide with accessories.

Electrification : for general purpose

Foundation wall for Packing room wide based 2" below earth"s surface. 2" above earth"s surface, as kick-board 9" wide, Frame base block height 3"x9"x9" each with front side wall plinth protection 3" wide 6" thick.

Floor: made by PCC (1:5:10) 100 mm thick than CC (1:2:4) 100 mm thick, over that ceramic floor tiles. Floor area : 74sq.m

Cold Chamber 10"x10"x8":- made of puff panel 80mm for roof and all sides with lockable door, flat roof inside packing shed, Temp. range -4°C, multi tier shelve, floor with insulated tiles, with control panel and electrification

Incubation Facility for Farmers :

In house incubation centre for sorting and grading of vegetable will be established at COE. Following equipments would be installed for Grading and packing of Vegetable.

Sterilization Unit	A spary unit is provided along with a 5000 litres water tank, Safe chemicals can be dissolved and sprayed for surface sterilization of Vegetables. It extend shelf life.
Inspection Table	To remove the rotten vegetable, this table have the conveyor system which will take the vegetable to the Grading Machine.
Automatic Grading unit	to grade of all round vegetables from 25 mm to 150mm.
Weighing unit	A plate form type digital weighing scale of 100kg capacity
Sealer	Electric operated Sealer for packing of vegetable.
Plastic Crate	1000nos.
House (Room) for Incubation Facility	
Size	L x W x Hc:s 15m x 8 m x 5m:3.5m
Structure made by	70mmX70mm, 50mm x 50mm & 38mmx38 mm hot dip galvanized pipe, Complete Pre-machined Structure flange based and cladding with puff panel 63mm with inner &outer pre quoted GI sheet 0.5 mm thick.
Window:	made by Aluminium frame with Polycarbonate sheet 6mm thick multiwall and accessories, window size : 4"x4" Qty. 04
Door:	lockable sliding door made by Aluminium frame with Polycarbonate sheet 6mm thick multiwall and accessories, door size 7"x7" qty. 02 nos.
Control panels	Control panels are housed and with lighting and Air conditioners to maintain 25-30°C
Floor :	PCC and tiles flooring
Furniture:	Executive Chairs-12Nos., Executive Table : 02nos, Almera-2Nos.

Soil Solarization area with steam generator

Cemented C.C. Plate farm for Soil Solarization : Size 20mx10m and raised 1' by adding Soil and above that a 4" Concrete floor would be provided.

Steam Generator : The steamer used in a closed –loop system in which water is heated to a desired temperature by the steam generator and circulated through the customer's heat exchanger then returned to the steam generator.

Specifications :

Fuel :	Oil,
Boiler Horsepower	18-20 Bhp.
Steam OUT PUT	250-300 kg/hr
Max Temperature	120°C
Boiler Volume	500 liter
Portable trailer	with 15" pneumatic tires Fuel tank 246 lit and trailer hitch.

Annexure 20**POWER BACKUP FACILITY - Diesel Generator Set with AMF Panel and electrical accessories**

Generator	operating capacity 40KVA with Automatic on/off panel, Shelter with platform for Generator. (make Mahindra / kirlosker or equivalent).
Size	6m x 4m x 4m:3m with shelter
Structure frame	all galvanized steel is used with stand of wind speed 120 km/h
Roof	cover by pre quoted GI sheet 0.5 mm thick.
RCC platform	RCC platform for generator & rest floor CC
Electrical work	Electrical cabling, earthling work as per required generator.

FINANCIAL OFFER

01. NAME OF THE OFFERER

Sl. NO	Item Description	VARIETY	Quantity	Units	BASIC RATE inRs	GST AMOUNT	TOTAL AMOUNT Without Taxes In Rs	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In words
1	2	3	4	5	13	15	53	54	55
1	Fan and Pad system Green house 500 sq, mt		1						
2	Naturally ventilated greenhouse with thermal screen 1000 sq. mt.		2						
3	Walk in Tunnel 450 sq mt		2						
4	Shade net House 1000 sq mt		2						
5	Advance Fertigation Auto Water Mix		2						
6	Auto Sand Filter & Accessories		2						
7	Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station		1						
8	Water Tank 20000 Lts		1						
9	Treatment and Filtration Plant 5000 Lt capacity		1						
10	Room for Computerized Fertigation System		1						
11	Packing Shade with Cold Chamber		1						
12	Sorting & Grading Fully equipped _ Incubation facilities for farmers		1						
13	Soil Solarization with Steam Generator		1						
14	Diesel Generator Set with AMF Panel and electrical accessories		1						
	Cost of Complete Items as above from Sr. No 1 to 14								

(to be submitted online. Hard copy of financial offer need not to be submitted)

Annexure 8

DRAFT AGREEMENT

This agreement made at Bhopal this day ofbetween Madhya Pradesh State Agro-Industries Development Corporation, 'Panchanan, 3rd Floor, Malviya Nagar, Bhopal, M.P. hereinafter referred to as the 'Corporation' which expression shall unless repugnant to the context or meaning there of includes its successors and assigns on the one part.

AND

M/s. having its office at through Shri designation(hereinafter referred to as the Supplier whose expression unless repugnant to the context and meaning thereof includes its assigns, successors and administrations on the other part.

WHEREAS the Corporation invited E tender for supply of ----- on the terms and conditions envisaged in the terms schedule issued with the Rate Contract Offer Document and purchased by the supplier.

AND WHEREAS the supplier has accepted each and every term and condition contained in the Rate Contract Offer Document, while submitting his offer.

AND WHEREAS the Corporation accepted the offer submitted by the supplier vide its letter of acceptance no.dated in consideration of the premises and the mutual premises and undertakings hereinafter specified and for other good and valuable consideration this agreement witness and is hereby agreed on the conditions of the Tender. The following documents shall form and be constructed a part of the Agreement Deed:-

- a. The Tender submitted by the supplier including all the annexure attached thereto.
- b. Specifications for supply of ----- (Attached)
- c. The letter of acceptance dated ----- issued by the Corporation.
- d. The offer submitted by the supplier.
- e. The rates mentioned in annexure to agreement.

The aforesaid documents shall be taken as complementary and mutually explanatory of one another but in case of discrepancies and ambiguities shall take precedence in the order set out above. In this regard the decision of Managing Director, M.P. State Agro-Industries Development Corporation Limited shall be final.

IN WITNESS WHEREOF the parties hereto have signed this agreement on the day and year referred to above.

For Supplier

.....
.....

For

M.P. STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION
LIMITED

Signature with Office Seal

DEPUTY GENERAL MANAGER
(Horticulture)

Witnesses

1.

2.

Witnesses

1.

2.

Annexure 23

List of Mandatory Documents to be uploaded (Self Certified with Seal and signature)

SN	TYPE OF DOCUMENTS
1	Copy of E tender document duly signed and stamped as a token of acceptance of terms and conditions of the E tender
2	Copy of amendment (if any) duly signed and stamped as a token of acceptance of terms and conditions of the E tender
3	Applicant Company Profile as per Annexure 3
4	Affidavit as per Annexure 4
5	Authority to submit E-Tender as per Annexure 5
6	Valid Permanent Account Number (PAN)
7	Valid GSTN.
8	Document as Manufacturer/Supplier of Green House / Net House/ Walk in Tunnel / Registration with DTIC or Udyog Aadhar
9	Minimum eligibility criteria for Experience - FIVE years of experience in India in establishing COE/mini COE on protected cultivation structures and their operations and also Establishment of Automated plug seedling production system (at least 5 units) in reputed Govt./Semi Govt. organization / Institutions / SAUs. They must upload purchase order/work orders and completion report as a proof in support of this. At least one work order date has to be within the last FIVE years before the last date of tender submission.
10	Minimum eligibility criteria for Experience - hand holding support to COE/ Automated plug seedling production for at least 2 years (Minimum 3 such type of project).
11	C.A. Certificate to ascertain Minimum Turn over as per eligibility criterion



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**
"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL
Phone (0755)- 2556857 EMAIL: mpagrohbpl @gmail.com

NOTICE INVITING ONLINE E TENDER

FOR SUPPLY AND COMMISSIONING VARIOUS INFRASTRUCTURES
FOR CENTER OF EXCELLENCE

NURABAD
DISTRICT MORENA

DUE DATE 13/07/ 2021



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**
"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL
Phone (0755)- 2556857

HO/ HORTI /2021-22/

Bhopal Dated 28-06-2021

**ONLINE E-TENDER FOR SUPPLY AND COMMISSIONING OF
VARIOUS INFRASTRUCTURES**

On-line E-tender is invited under e-tendering system for SUPPLY AND COMMISSIONING of various infrastructures at Nurabad district Morena up to 2.00 PM on 13/07/2021 along with Earnest Money Deposit, from eligible suppliers as detailed in the E-tender documents, which is available at www.mpagro.org and www.mptenders.gov.in. Amendments if any, will be published on above website. No further notification will be published in the news paper.

Manager (Horticulture)



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED**

"PANCHANAN" 3rd FLOOR, MALAVIYA NAGAR, BHOPAL

Phone (0755)- 2556857 EMAIL: mpagrohobpl @gmail.com

**E-TENDER DOCUMENT FOR SUPPLY AND INSTALLATION OF
VARIOUS INFRASTRUCTURES**

This document contains 33 pages as below:

S. No.	Particulars	Annexure no	Page No
1	Meaning of the words in the document		5
2	Disclaimer, E-Tender Process, Prologue , Scope of Work Instruction to Bidder	Annexure 1	6-7
3	General Terms and Conditions	Annexure 2	8-12
4	Applicant Company Profile	Annexure 3	13
5	Affidavit	Annexure 4	14
6	Authority to submit E-Tender	Annexure 5	15
7	Eligibility Criterion	Annexure 6	16
8	Technical specification for Fan and Pad system Green house 500 sq, mt	Annexure 7	17-19
9	Technical specification for Naturally ventilated greenhouse with thermal screen 1000 sq. mt.	Annexure 8	20-21
10	Technical specification for Walk in Tunnel 450 sq mt	Annexure 9	22
11	Technical specification for Shade net House 1000 sq mt	Annexure 10	23
12	Technical specification for Advance Fertigation Auto Water Mix	Annexure 11	24-25
13	Technical specification for Auto Sand Filter & Accessories	Annexure 12	26
14	Technical specification for Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station	Annexure 13	26
15	Specification for Water Tank	Annexure 14	27
16	Treatment and Filtration Plant 5000 Lt capacity	Annexure 15	27
17	Room for Computerized Fertigation System	Annexure 16	28

18	Packing Shade with Cold Chamber	Annexure 17	28
19	Sorting & Grading Fully equipped _ Incubation facilities for farmers	Annexure 18	29
20	Soil Solarization with Steam Generator	Annexure 19	30
21	Diesel Generator Set with AMF Panel and electrical accessories	Annexure 20	30
22	Financial Proposal	Annexure 21	31
23	Draft Agreement	Annexure 22	32
24	List of Mandatory Documents to be uploaded (Self Certified with Seal and signature)	Annexure 23	33

Meaning of the words in the document

The Corporation	M.P. State Agro Industries Development Corporation Ltd.
E Tender	Online Tender invited for this purpose
Beneficiary/ Consignee	Assistant Director Horticulture Morena cum Mission Secretary , District Horticulture Mission Morena
Application forms/ the document	Application forms and all other relevant annexure documents
Applicant / Bidder /offerer	As per eligibility criterion mentioned in this document, firm who submit online tender for supply and commissioning of various infrastructures as per document
The supplier	Applicant / Bidder whose rates are approved and an agreement for supply & commissioning of various infrastructures has (have) been executed with the Corporation under this E tender
EMD	Earnest Money Deposit
SD	Security Deposit
Department	Directorate of Horticulture and Farm Forestry Madhya Pradesh Bhopal and Mission Director , State Horticulture Mission Madhya Pradesh Bhopal
Managing Director	Managing Director of M P State Agro Industries Development Corporation Ltd Bhopal
Various infrastructures	Infrastructures mentioned in this document

A. DISCLAIMER

Though adequate care has been taken in the preparation of this E tender document, the Bidder should satisfy himself that the document are complete in all respect. Intimation of discrepancy, if any, should be given to M.P. Agro before date mention under this E tender document. Due to restriction imposed in context to COVID 19 pre-bid meeting is not being arranged, therefore Intimation of discrepancy or queries may be sent through e mail. If M.P. Agro receives no intimation, it shall be deemed that the bidders are satisfied that the document is complete in all respects.

B. E-Tender Process

The Rates for supply and Commissioning of various infrastructures are invited under E- Tender system and bidding process will have following steps:

Tender Fee	Rs.10000/--- Rs. Ten Thousand only)
EMD	Rs 3,00,000/--(Rs.Three Lac only)

Stages of Bidding

Process	Scheduled date	Scheduled time
Purchase of E- Tender	29/06/2021 to 8/6/2021	up to 2.00 pm
Due date for receipt of Queries or suggestions from Applicant (tenderer) if any pertaining to terms & conditions mentioned in E tender	02/07/2021	5.00 pm
Pre Bid Meeting	No Pre-Bid meeting is scheduled due to restriction imposed in context to COVID 19	
Due date for uploading reply to queries or suggestions	05/07/2021	4.00 pm
Start of Bidding	05/07/2021	5.00 pm
Closing of bid	13/07/2021	2.00 pm
Date and time for submission of hard copies of signed E tender documents with required annexure(s) /documents under E tender	Hard copies are not required	
Opening of Technical Bid	14/07/2021	2.30 pm
Date of submission of Clarification through e mail if needed in Submitted Tender Document	15.07.2021	2.30 pm
Opening of Financial (Price) Bid	Date & time will be communicated to eligible bidders	

Each stage will take place on the date and time mentioned against them.

Prologue :

Department of Horticulture is in process to set up Centre of Excellence for Vegetable at Government Farm Village- Nurabad, District-Morena, Madhya Pradesh. This center requires various infrastructures such as Hi-Tech Green house, Naturally Ventilated Poly-houses, Insect Proof Net-houses, Walk-in Tunnels, Vermi Compost units etc. To supply & commission of such the infrastructures, E-Tender is invited

C. Scope of Work

It covers supply and Commissioning, After Sales Services, Repair and Maintenance .

E. INSTRUCTION OF TENDERER :

The rates are invited under e-tendering system from the manufacturers. The Bidders are required to read carefully the terms and conditions and upload the E tender document duly signed as a token of acceptance of terms & conditions, after affixing their digital signatures.

E tender document and relevant annexure shall be uploaded in JPG or PDF format only, in minimum resolution of 600 DPI. Document uploaded in other format will not be considered.

Scanned copies of all desired documents mentioned in Qualification Criteria and EMD must be uploaded. Bidders are required to submit hard copies of complete technical bid including qualification criteria and related documents/technical literature/Boucher duly signed (except Price Bid) along with proof of EMD.

All documents uploaded on website must be clear and readable. In case of any non clarity of uploaded documents or any dispute over documents uploaded online in E-Tender, the hard copies submitted by the offerer shall be treated final.

Bidders are advised to upload their offer well in time without waiting for last date of offer submission in order to avoid congestion or any other unforeseen circumstances.

Manager {Horticulture}

GENERAL TERMS AND CONDITIONS

01- PROCEDURE FOR RATE CONTRACT

- 1.1 The Corporation invites E tender for supply and commissioning of various infrastructures as specified in Annexure 7 to Annexure 20 from eligible bidders.
- 1.2 Not more than one offer will be accepted from any bidder. If any individual participating in the offer, representing more than one firm in one or different names and it comes to our knowledge at any point of time, all such offer will not be entertained and shall be liable for rejection.

02- AVAILABILITY OF E-TENDER DOCUMENT

The document is available on website www.mptenders.gov.in and www.mpagro.org of the corporation for viewing. The E-Tender is to be uploaded online at www.mptenders.gov.in. The Cost of tender document is Rs 10000/-- -(non refundable) which is to be deposit on line.

03- SUBMISSION OF E-Tender

The Corporation invites online E tender for supply and commissioning of various infrastructures as mentioned in this document (Annexure 7 to Annexure 20).

- 3.1 All the Mandatory Documents to be uploaded (Self Certified with Seal and signature) as per list in **Annexure 9** shall be uploaded in JPG or PDF format only, in minimum resolution of 600 DPI. Document uploaded in other format will not be considered.
- 3.2 Self-attested hard copies are not required and online documents submitted will be considered for evaluation. In case of clarification needed , the same will be obtained through e mail and tenderer is bound to clarify the issues in prescribed time limit, failing which tender will be disqualified.
- 3.3 The Envelope of Hard Copies shall be submitted in a sealed cover super scribed with words "E Tender for supply and Commissioning of various infrastructures

4. Technical information regarding eligibility

- 4.1 Envelope should contain documents as mentioned in this document.
- 4.2 Hard Copies received in the offer box up to due date and time will be opened on due date and time as mentioned already. In case of any non clarity of uploaded documents or any dispute over documents uploaded online in E-Tender, the hard copies submitted by the offerer shall be treated final.

The Corporation will not be responsible for any delay on any account in receipt of offer. If the offer is received after the specific date and time even if the delay in receipt was caused in postal transit or any other reason, whatsoever. On-line offer will be open on due date and time as mentioned in Annexure 1 point B in the presence of the representative of firms who wishes to be present. Date of opening of Financial Offer (price bid) will be intimated to all eligible bidders.

05- E-Tender DOCUMENT

The Bidder is expected to read carefully all instructions, conditions of the E-Tender Document, draft agreement, Specifications, all annexure, Failure to comply with the requirements of offer submission will be at the offerer risk. Bidders that are not substantially responsive to the requirements of the E tender documents will be rejected. The Bidder has to submit Affidavit as per Annexure 4 on non-judicial stamp paper of Rs 1000/--.

06- EARNEST MONEY DEPOSIT (EMD):

Bidder has to deposit required Earnest Money Deposit (EMD) Rs.03.00 lakh

- (i) Earnest Money of all unsuccessful Offerer will be returned. No interest is payable on the amount of EMD at the time of refund.
- (ii) Earnest Money shall be forfeited if the offer is withdrawn.
 - a. At any time prior to its rejection,
 - b. Before or after the acceptance is communicated to the Offerer.
 - c. If the selected Offerer fails to execute the agreement within prescribed time limit.
 - d. If it is found that false documents/ information are submitted.
- (iii) The EMD will remain with the Corporation during the currency of the contract and/or till successful execution of all the order placed during the currency of the contract and will be refunded to the supplier without interest in case of no dispute.
- (iv)- **Earnest money of successful Offerer will be adjusted against Security Deposit (SD) at the time of the execution of the agreement.**

07- SECURITY DEPOSIT (SD):

- (i) The Security deposit will remain with the corporation during the currency of the contract and will be refunded to the supplier without interest in case of no dispute.
- (ii) Security deposit will be forfeited in case of failure of supply of the material as mentioned in the purchase order, in time and as per the approved specifications or for any breach of terms and condition of the agreement and E tender.
- (iii) The security deposit will be refunded after the successful execution of all orders during currency of the contract period provided no dispute; claims or complaints exist for settlement without interest.

08- TECHNICAL SPECIFICATION:

Technical Specifications are given in Annexure 7 to annexure 20. Supplier has to supply items as per the specification.

09- QUOTING OF RATES :

- 9.1 The Bidder must submit rates online only as per format given in Annexure 21. The rates should be inclusive of supply and commissioning of infrastructures.
- 9.2 Rates for Infrastructures Should be given on Turn Key Basis i:e the rates must include the cost of material, cost of installation, all the taxes whatsoever. ,corporation margin (5% of rates offered) and F.O.R. destination.
- 9.3 The Bidder should quote their lowest price, in accordance to the condition mentioned in clause No. 10. **The Bidder shall have to offer consolidated price for all infrastructures.** The price should be inclusive of all except applicable taxes.

10- REASONABILITY OF RATES:

Offerer shall have to offer his lowest rates for the offered item.

11- NEGOTIATIONS: It is clarified that normally, no rate negotiation will be done and therefore the offerer should quote their lowest prices only. However the Managing Director of the Corporation may decide to give counter offer of the rates decided by the corporation to all eligible offerers.

12- VALIDITY OF APPLICATION: Application received in against this E tender are valid for acceptance for 6 months from the last date of Submission.

13- VALIDITY OF RATE : The Rate Contract against this E tender is valid up to 6 months.

14- EXECUTION OF AGREEMENT:

- (a) The successful offerer shall have to execute an agreement as per **Annexure 22** with the Corporation. The agreement will be executed on non-judicial stamp paper of Rs. 1000/-the cost of the same will be borne by the offerer
- (b) The Corporation shall intimate the successful offerer regarding acceptance of his offer and inform him to execute an agreement. In case the offerer fails to execute agreement within time limit the EMD deposited by offerer shall be forfeited. After executing agreement, the term Bidder will be replaced by the term **supplier**.

15- PLACEMENT OF ORDER:

1. The Managing Director at Head office /Regional Manager of the Corporation shall place purchase order to the supplier.

16- SCHEDULE AND MODE OF SUPPLY / PAYMENT

1. The supplier has to supply and install the ordered infrastructures within 60 days from the receipt of order of the Corporation.
2. In special case, supplier may request in writing to the Commissioner Horticulture and Farm Forestry (under intimation to district office of the Corporation) for extension in time limit mentioned above(in point 16.1) . On receipt of such request, the Commissioner may extend time limit and inform in writing to supplier as well as to the Corporation.
3. Failure on the part of the supplier for supply/installation, may lead to forfeiture of the Security Deposit and the rate contract shall stand cancelled and agreement terminated.
4. If any dispute regarding the quality/ quantity of the material supplied, the Corporation will make payment after settlement of the dispute only

PAYMENT

On successful installation of protected cultivation infrastructure the payment shall be released on "Payment after Payment" basis. (i:e on receipt of payment from consignee the corporation will make 90% payment of invoice to supplier.

Remaining 10% payment will be released after completion of warranty.

17- TARNISIT INSURANCE:

The Supplier will arrange for Transit Insurance and Material supplied should be covered under Transit insurance for Road Risk, Theft, Pilferage, and Non Delivery Risk (RRTPND).

18- WARRANTY

Warranty required for various infrastructure will be 2 years from date of installation.

- 19- **TRAINING:** Official posted at Center of Excellence Nurabad District Morena will be imparted one day training. During training, the supplier shall demonstrate operation as well as maintenance of Infrastructures.
- 20- **AFTER SALE SERVICE AND MAINTENANCE:** The supplier shall be fully responsible for maintenance and the satisfactory performance of various infrastructures during the warranty period.
- 21- **TESTING FOR QUALITY:** If required, Testing will be carried out by third party for which expenditure on testing will be borne by supplier. In case, components used in infrastructure found substandard in first testing, the supplier will be penalized as decided by the Managing Director of the Corporation.
- 23- Submission of E tender shall deem to be the acceptance by the Offerer of the all the terms and conditions contain herein.

- 24- The Managing Director of the Corporation reserves the right to accept or reject any or all the offers without assigning any reason whatsoever at any time prior to the award of the contract, without incurring any liability to the affected offerer and any obligation to inform the affected offerer of the grounds.
- 25- **PURCHASE PREFERANCE:** As per the policy of the State Govt. in respect of purchase of material for the use of Corporation purchase preference to the extent of 30% shall be given to those Manufacturers who belong to the SC/ST category. A self certified photocopy of certificate issued by competent Authority.
- 26- **INSPECTION:** The Managing Director may decide to inspect the Production / Quality Control Facilities of the offerer before or after the execution of agreement. If any time it is found that the information submitted by Offerer/Supplier is not according to the documents submitted the Managing Director reserves the right to reject the offer or terminate the agreement.
- 27- The Managing Director of The Corporation reserves the right to impose penalties at his discretion for breach of the terms and conditions (commensurate with the losses incurred) which may be forfeiture of SD and/or debarring the supplier for maximum period of 5 years to supply all materials, whatsoever may be, through this corporation.
- 28- Managing Director of the Corporation reserves the right to amend or replace or change any condition without any notice, in exigencies required to do so.
- 29- In case of any amendments including extension of due date will be published on Corporation's website www.mpagro.org and www.mptenders.gov.in, and no further notification will be made in the news paper. Accordingly interested bidders are advised to keep close watch on the Corporation's website in their own interest. It is also to be noted that any such amendments will be a part of the Documents and will be binding on the bidder and it will be presume that the bidder has satisfied himself about such amendments
- 30- **Arbitration:** In case of any dispute arising between the supplier and Corporation the matter shall be referred to General Manager of the Corporation. In case the supplier is not satisfied with the decisions of General Manager the matter shall be referred to the Managing Director of the Corporation who will act as sole arbitrator finally passes his verdict, which will be binding, to supplier and Corporation.
- 31- For all legal proceedings the district court Bhopal will have jurisdiction.
- 32- It is the discretion of the Managing Director of the Corporation to accept/reject the application without assigning any reason thereof.

Manage {Horticulture}

Applicant COMPANY PROFILE

Sr.	Particular	Detail
1	Name of Organisation	
2	Nature of the Organisation	
a	In case of Public/Pvt. Ltd company (Certified copy of Certificate of incorporation for companies & Memorandum and Articles of Associations)	
b	In case of Partnership Firm (Partnership deed)	
c	In case of Proprietorship (Registration certificate, Factory registration, DIC – industrial registration)	
d	In case of society (Certified copy of registration deed with objects of constitution of society)	
e	In case of Corporation (Authenticated copy of the parent statute)	
3	Address with Phone No. and Fax No	
4	E mail	
5	Name and Contact details of the Authorized Person	
6	Any other details in support of your office	
7	PAN (attach attested copy)	
8	TIN	

Seal and Sign of

AUTHORISED SIGNATORY

AFFIDAVIT

We.....hereby offer for the supply of ----- Conforming to the Specifications as mentioned in E tender.

We undertake to supply such quantities of material as per Specification as mentioned in E tender , as we may be called upon to supply and under the conditions here-to enclosed during the allotted period from the date of execution of the agreement on the rates agreed upon, at the places to be specified by the M.P. State Agro Industries Development Corporation Limited within the specified delivery period.

We undertake that our firm has neither been Blacklisted/Debarred by any Government / Government Undertaking /Bank nor penalized on the same ground. We also undertake that no legal proceeding is pending in any Courts on the same grounds.

We undertake that the rates given to the Corporation are the lowest price, in accordance to the prevailing rates of the Company / their other authorized dealer & market condition. In case of any dispute or discrepancy in the submitted rates we will be sole responsible. In such cases the Corporation will be free to recover the losses or impose penalties as decided by the Managing Director of the Corporation.

We hereby agree to abide by and fulfill all the terms and conditions of contract annexed hereto and in default thereof to forfeit and pay to the M.P. State Agro Industries Development Corporation Limited, the penalties or sum of money mentioned in the said conditions.

I have read and fully understood the terms and conditions of supplies etc. mentioned in the documents.

Name :.....
Designation:.....
Signature with Office Seal..)

Witness:

- 1.
- 2.

Note: To be submitted on non judicial stamp of Rs 1000.00

**Authority to submit Tender
(On Producer company's letterhead)**

To,

The Managing Director
M.P.State Agro Industries Development Corporation Ltd.
Panchanan Bhawan, 3rd Flore ,
Malviya Nagar,
Bhopal

Sub : Authority to submit Rate Contract Offer

Dear Sir,

I.....Designation hereby authorize M/s
.....to submit Rate Contract Offer M.P. State Agro
Industries Corporation Ltd on behalf of the company due on 24.9.2020

We hereby undertake that the Company shall abide by all the terms and conditions as mentioned in
Tender Document.

I further certify that I am authorized to issue this certificate on behalf of the company.

If an order is placed with the authorized company as above, the company undertakes to supply the
order as per terms and condition of E tender

(Signature)

Name
Designation
Tel No
Mobile No
E mail

The following are the minimum eligibility criteria for submission of E- tender

1. The bidder shall have Annual turnover for last three financial (2017-18, 2018-19 & 2019-20) years, ending on 31 March 2020, should not be less than INR 30 Cr. in the field of similar type of facilities. The copies of the Profit & Loss statement also to be provided. The bidder should not be in loss in the last 03 financial years. The Turnover Certificate duly signed & stamped by Chartered Accountant.
2. The Bidder/Applicant should provide ITR (Income Tax Return) for last three financial year (2017-18, 2018-19 & 2019-20) with assessment year 2018-19, 2019-20 & 2020-21.
3. The Bidder/Applicant should have registered with ISO Certification.
4. The Bidder/Applicant should have minimum 5 years' experience in Establishment of Centre of Excellence in Govt./ Semi Govt. Department. (Attached Documentary proof of work order with completion certificate).
5. The Applicant should have executed at least 2 Centre of Excellence (at different locations) under separate contracts each having contract value not less than INR 5.00 Cr within last five years, anywhere in India. The copies of the satisfactory/completion/experience certificate issued by the client indicating the work.
6. The Bidder/Applicant should provide proposed work plan with CAD Design/Drawing/Layouts.
7. The Bidder should be clearly mentioned Make and Complete Specification of the Material along with catalogue/Leaflet/Brochure if any and submit the aforesaid with proposal (Make/Specification will be given by Department).
8. The Bidder should have registered with Department of Scientific and Industrial Research (DSIR) Govt. of India, Documentary proof should be attached.
9. Joint Venture for the said project is not allowed.
10. Bidders Company/organization should be a Private Limited/Government Registered Company.
11. An affidavit on Rs.1000/- Stamp Paper from Public Notary shall be attached/uploaded by the bidder with following declaration that:
 - a. Bidders shall not be under any declaration of ineligibility for corrupt and fraudulent practices issued by any State Government/GOE/ Union territory.
 - b. The Bidders shall not be blacklisted by any State Government/GOI/Union territory/State and Central Educational Institutes etc during last Ten Years at the time of submission of tender bid for any item or by any reason.

Technical Specification for Fan and Pad System Green House

Total Area: 500sq.m.

Dimension: 26.4m x 19.2m

Side Height: 3m

Centre Height: 4.5m

Buffer Room Size: 2.1m x 2.1m x 2.43m (L x W x H) – 01 No.

Door Size: 1.9m x 0.91m (Tall & Wide) – 02 Nos.

STRUCTURE:

A. Frame: All galvanized steel is used and design standards to take withstand of wind speed 120 km./hour. End wall and side wall framing Aluminum corner trims, aluminum ridge bar and Galvanized gutter trim Brackets & fasteners as required to assemble frame.

- 1) **Pipe: Pipes sections to be used for different Structural Member will be as below or equivalent :**
 - a) Columns: 80 mm × 50 mm in 2mm thick hot dip galvanized pipe.
 - b) Trusses: Bottom cord 32mm x 2mm; Truss Members 48mm × 48mm 2mm;Bracing 25 mm, pipe; structural member will be fitted with zinc plated nuts & bolts without welding.
 - c) Purlins: 32 mm × 2mm thick.
- 2) **All G.I pipes are galvanized.**
- 3) **Nuts and other metallic parts:** This includes all the elements required for joining and water tighten components (such as fittings, clamps, screws and nuts plated against corrosion).

DOUBLE DOOR ROOM:

- A) Double door room- of size 2.1m x 2.1m x 2.43m (L ×W×H) covered with 6mm thick Double layer polycarbonate sheet.
- B) Door – Double door size: 1.9m × 0.91m long & wide, normally lockable made with clear 6mm Double layer polycarbonate glazing, top & bottom tracks, jambs, flashings & installation hardware - 2 nos.

CLADDING:

Roof, front wall, end wall, & sidewalls of the Greenhouse-sets and double room for rigid covering.

6mm thick clear multiwall Sabic polycarbonate sheet, Aluminum Profile, EPDM gasket, Silicon sealant, and accessories. Roof and Side wall covers by 6mm, UV stabilized clear polycarbonate sheet details are giving below:

Sheet thickness	6mm
Structure	2 TS
Approx. Weight g/m ²	1300
Light Transmission	81%
K Value	3

SHADING SYSTEM:

External shading system: 75% shading net (agro shade net) with rolling arrangement connecting pipe etc. can be rolled when not required

Internal Shading System: By Reflective, thermal-aluminium-screen silver with a motorized operated expanding & retracting mechanism will be provided.

COOLING SYSTEM:

Cooling Pad Size: **A)** 1.5mH × 19.2mW × 100mm thick evaporative CELDEC cooling pad complete with:

- All necessary framing material of Aluminum required supporting distribution & returning piping.
- Gutters, down spout end caps & drip pan, plumbing kit, pump 220 volt - 1 phase 50 cycles, Drilled PVC piping cap, pad retainer, all suspension hardware.
- Metal flashings as required to seal pad to vent opening, 4" thick evaporative cooling pad material.
- Pad Area: 19.2m W × 1.5mH × 100mm thick (w × h × Thickness)

Construction Material :

Aluminum Profiles: Tray Sides, Top Etc.

Plastic Profiles: Water Distribution tray.

Cooling Media: 100mm thick celdek 7090/500

At velocities of 1 to 3 M/s to give efficiency from 60 to 95%.

Filtration: 25 to 55mm viscous filter for 30 m efficiency.

Miscellaneous: Fasteners, Galvanized, Rivet- Aluminum.

Water storage Tank: PVC Tank 1000 liters.

Pump: 1 HP Mono block (Crompton or approved equivalent)

Slow Speed Axial Flow Fan: 48" single speed belt driven exhaust fan 1 hp, 220V, 50 cycles, 1 phase) 24,800 CFM each. 04 Nos.

FOGGING SYSTEM: 1.5HP heavy duty motor with screen filter, fogging nozzles, pipes, polymer water tank 1000 ltr.

WATER BOOMER APPLICATOR:

For irrigating the plants boomer with 3 ways nozzle, holding span rail/rod in a bay. Water boomer nozzles span is adjustable height-wise. Adjustable range of water applicator span: From Lowest 1.67 m. (up to a normal human eye height) to nearly 4.5m. qty 1

BENCHING SYSTEM :

Nursery Tray Benching System: for accommodation of 1000 seedlings trays (size 29" × 18") L x W), nursery tray holding station made by GI frame 32 x 32mm 2mm thick with aluminum frame 72mm x 42mm x 2.5 mm thick with Bench grouting CC : complete set

CONTROL PANEL FOR AUTOMATION:

Monitor Panel code no. 002264-00304, which includes Light, Temperature & Humidity Control System. For details of Microprocessor Photosynthesis Monitor Panel kindly see the below data-

a) Technical feature of Photoperiodic Timer

- Cycle: 24 hrs minimum ON/OFF period 30 minutes.
- Accuracy: ± 10 sec/day
- Input: 200-240 VAC, phase – single.
- Ambient: 5°C to 45°C, RH up to 85% normally.

b) Technical feature of Temperature Control System

- Temp. Range: 0.1 to 59.9°C.
- Accuracy: ± 1 °C.
- Hysteresis: 0.4°C with sensor probe Pt-100 Sensor cord 5 meters.
- Input: 200-240VAC (110 VAC available on demand), phase-single.
- Ambient: 5°C to 45°C, RH up to 85% normally.

c) Relative Humidity Control System: It maintains RH in the range of ± 4 %.

- Range: 30% to 90%.
- Real RH: ± 2 %. ± 1 digit (at 45%).
- Input: 220VAC (110VAC available on demand), phase- single.
- Ambient: 5° to 45°C, RH up to 95%.

Piltz Timer for humidity– (Code no. 00346-00497).

CIVIL WORK:

- A) Foundation wall** for all sides of Poly house along with the double door room. WIDE Based 1' below earth's surface, 1.5.' above earth's surface, as kick-board 9" wide. Frame base block height 2'.
- B) Floor:** ground covered by mat.

ELECTRICAL WIRING:

All wires will be of copper and desired load (Make-Hevells/Finolex) and switches imported make, extra switches also provided as standby. Each feature has own electric line with MCB and will be underground in PVC pipe complete set with A grade work. Separate electrical work, panel board and main switches as well.

SEEDLINGS TRAYS:

- a) **Thermal Tray** 198 cells: size: 730mm x 452mm x 60mm (L x W x H) made by high impact thermo Cole material. – 1000 Nos.
- Plastic Tray**, 99 cells: Tray Size: 360mm 450mm x 60mm (L x W x H), made by High impact polystyrene martial. – 4000 Nos.

NATURALLY VENTILATED POLYHOUSE

Total Area: 1000sq.m.

Dimension: 34.72m x 28.8m

Side Height: 4m

Centre Height: 5.5m

Buffer Room Size: 2.1m x 2.1m x 2.43m (L x W x H) – 01 No.

Door Size: 1.9m x 0.91m (Tall & Wide) – 02 Nos.

STRUCTURE:

Frame: All galvanized steel is used to take withstand of wind speed 120 km. /hour.

End wall and side wall framing Aluminum corner trims, aluminum ridge bar and Galvanized gutter trim Brackets & fasteners as required to assemble frame.

- 1) **Pipe: Pipes sections to be used for different Structural Member will be as below or equivalent :**
 - a) Columns: 80mm x 50 mm in 2mm thick hot dip galvanized pipe.
 - b) Trusses: Bottom cord 32mm x 2mm; Truss Members 48mm x 48mm 2mm; Bracing 25 mm, pipe; structural member will be fitted with zinc plated nuts & bolts without welding.
 - c) Purlins: 32mm x 2mm thick.
- 2) **All G.I pipes are galvanized.**
- 3) **Nuts and other metallic parts:** This includes all the elements required for joining and water tightens components (such as fittings, clamps, screws and nuts plated against corrosion).

DOUBLE DOOR ROOM :

- 1) **Double Door Room-** of size 2.1m x 2.1m x 2.43m (L xWxH) covered with 200mm thick polyfilm
- 2) **Door Size:** 1.9m x 0.91m long & wide, normally lockable made with clear 6mm polycarbonate glazing, top & bottom tracks, jambs, flashings & installation hardware.

CLADDING:**Attaching the Plastic on Roof & Side walls, of Polyhouse.**

200 micron UV stabilized poly film having 85% light transmission, multi-layered, anti-drip. This is attached with the structure by the spring & GRP profile & GRP clamps which click into it.

Later on, the spring can be clipped out in order to fit new plastic. The profile does not get distorted and the profile can also be used again.

VENTILATION SYSTEM:

- a) **Side Ventilation with manually operating system-** 34.72m. long and 1.52m high x 2 Nos. Roll-up plastic curtains, open able to 1.5m. in height (open from up to down) on two sides manually rollable, can rolled when not required. 40 mesh nylon insect - screen (UV stabilised) will be fixed inside the curtain on sides.
- b) **Top Ventilation:** Fixed Ridge Ventilation 1m. – 1.2 m. covered with 50 mesh nylon insect net.

INTERNAL SHADING SYSTEM:

By Reflective, thermal-aluminum-screen silver with a motorized operated expanding & retracting mechanism will be provided.

DRIP IRRIGATION SYSTEMS:

The system is provided with pressurized drip irrigation system with 2" Filter 120 mesh red, Valve/2", Air valve/1", Drip Lateral 16mm, Drip Net PC 16mm x 30cm x 1lph, RPVC 40mm 6Kg/cm2, RPVC 63mm 4Kg/cm2, 3HP pump, PVC fitting, Water tanks etc.

TRESSLING SUPPORT SYSTEM:

Vertical Trailing Ropes: these ropes are crops friendly and crop will be trailed on their ropes as plants of this variety will grow to the height ranging from minimum of 3 to 4 meters.

CIVIL WORK:

- A) **Structure:** will be raised on C.C.(Concrete cement) block 1' x 1' 2'
Floor: Natural Soil.

WALK – IN – TUNNEL**Total Area:** 450 sq.m.**Dimension:** 46.87m x 9.6m**Side Height:** 2m**Central Height:** 4m**Shape:** Arc**Double Door Room:** 2.1m x 2.1m x 2.43m**Door Size:** 2m x 1m (Tall x Wide) - 01 No.**STRUCTURE:****Main features:** All Structures. Rafters, Perlins. Trusses are hot dip galvanized and design to take a wind load up to 120km/h.

Specification:

- Hot dip galvanized Steel Structure: Using galvanized tubular structure or equivalent sections.
- Pipe sections to be used for different Structural Member flange type will be as below or equivalent :
- Columns: 90 mm, pole 75 mm and Arch 60 mm x 2 mm
- Trusses: Bottom cord 42 mm x 2mm: Truss Members 48mm, Bracing 32 mm x 2mm. B-class G. **1.** Steel pipe: structural member will be fitted with zinc plated nuts & bolts without welding.
- Purlins: using specially designed profile 32mm x 2mm thick.

Fasteners and other metallic parts: Includes all the elements required for joining and water tightens components (such as fittings. clamps. screws and nuts plated against corrosion).

DOUBLE DOOR ROOM & SLIDING DOORS:**Double Door Room:** size: 2.1m x 2.1m x 2.43m (L xWxH) covered with 200 micron polyfilm sheet.**Doors:** Double door, each door size 1m. Wide & 2m. Tall single door complete with polycarbonate sheet glazing, top & bottom tracks, jambs, flashings & installation hardware.**CLADDING:**

a) Roof Cladding: by 200 micron UV stabilized polyfilm having 85% light transmission, multilayered, anti-drip. This is attached with the structure by the spring & GRP profile & GRP clamps which click into it.

Later on, the spring can be clipped out in order to fit new plastic. The profile does not get distorted and the profile can also be used again.

b) Sides, Front & Back Cladding: by covered by 40 mesh UV stabilized mesh.

SHADING ROOF SCREEN :

70:30 UV stabilized shade net.

DRIP IRRIGATION SYSTEMS:

The system is provided with pressurized drip irrigation system with 2" Filter 120 mesh red, Valve/2", Air valve/1", Drip Lateral 16mm, Drip Net PC 16mm x 30cm x 1lph, RPVC 40mm 6Kg/cm², RPVC 63mm 4Kg/cm², 2HP pump, PVC fitting, Water tanks etc.

CIVIL WORK:

Structure Raised on CC Frame base block height 3' x 9" x 9" each. **Floor:** Natural soil, as it is.

SHADE NET HOUSE

Area: 1000sq.m.

Size: 52.08m × 19.2m × 2.43m : 3.35m =1000sq.m.(L× W× SH : CH)

Shape: Dome

STRUCTURE:

Made by latest G.I. pipe in combination of 60mm, 50mm, 38mm & 32mm ±1mm Squire GI Pipe., for vertical members, roof truss, horizontal runners etc., including cutting, bended in required shape, complete as per requirements

DOOR: Size 7' × 3' (H×W) one no. with lock and pinion system.

COVERING:

All sides and roof with UV stabilized monofilament shading net, colour-green/black combination with aluminum profile and PVC coated lockable spring

AUTOMATIC SPRINKLER SYSTEM:

The complete system is provided with controller Nozzles: Micro sprinklers hanging type. Water Discharge: 70 LPH each nozzles. Lateral pipe: 16mm LDPE black. Filter: Disc. Spacing: N/N 2.5m x L/L 3.0m. Tank: PVC 1000 ltr. Pump: 0.5/1.0 hp as per requirement.

ELECTRICAL DEVICE:

High quality ISI approved fittings with FR grade copper cable and rigid standard of safety with proper M.C.B.

CIVIL WORK:

Structure Raised on cc (concrete cement) blocks 1'×1'×2'.

Floor: Natural soil, as it is.

IRRIGATION & FERTIGATION AUTO WATER FERTI-MIX MULTICHANNEL FERTIGATION AND IRRIGATION SYSTEM. (CENTRALIZED AUTOMATIC): FOR OPEN FIELD

A) Irrigation The system is provided with pressurized irrigation system with Filter mesh red, Valve, Air valve, Drip Lateral, Drip Net PC, RPVC, RPVC, as per required pump, PVC fitting, with water tanks etc.

B) Automated Fertigation System

Technical specifications:

- Mixing tank system: content of 110 ltr net with overflow connection.
- Level protection: minimum level detection switch in mixing tank.
- Number of dosing channels: 2 for fertilizer on EC-value and 1 for acid on pH-value.
- Dosing valve and: electrical quick action valve 124-DN5-24VCA-5W with nozzle Ø2.7mm.
- Dosing capacity per channel: 30-300 litres /hour of fertilizer or acid solution at 3.0 Bar.
- pump capacity net: 9.0 m³/hr net at 4.0 **Bar**:11.0 m³/hr net at 3.5 Bar
- Pump type: Grundfos CHI 12-25. are equivalent
- mains voltage pump: 3-phase, 380-415VAC-50Hz
- Power consumption pump: 2.8 kW.
- EC measurement : 2 EC-sensors with thermostat element 3kΩ/25°C for temperature compensation of the EC-value.
- pH measurement: 2 pH electrodes max. 10 bar, high pressure with coaxial cable 3meters and BNC-connectors, holders for bayonet mounting.
- Dimensions inlet and outlet: water pressure operated inlet valve 2" with float bellow and PVC inlet Ø63 mm and outlet Ø50mm.
- Frame construction: corrosion free materials.
- Electrical cabinet : manual switch, motor soft starter and thermal protection for pump.
- integrated I/O-network materials:
- * 1x power supply unit 9510 with ring core transformer to supply two voltages: 24VAC-205VA for control outputs, fans, relays, and 24VDC-75W for electronic circuits and modules For I/O-network functions will be built in:
- * 1x module EC interface for connection of two EC sensors
- * 1x module pH interface with two BNC connectors, suited for connection of two pH sensors

Configuration:

Water system	1
Litre counter measurement	1
EC/pH measurement and control	1
Fertiliser stock solution tanks	3
Dosing channel control	3
Water treatment recipe	2
Control of irrigation valve.	2

AUTOMATIC FERTIGATION AUTO WATER FERTI-MIX MULTICHANNEL FERTIGATION AND IRRIGATION SYSTEM. (CENTRALIZED AUTOMATIC): FOR ALL STRUCTURES GREENHOUSE HOUSE & POLYHOUSES

Automated Fertigation System

Technical specifications:

- Mixing tank system: content of 110 ltr net with overflow connection.
- Level protection: minimum level detection switch in mixing tank.
- Number of dosing channels: 2 for fertilizer on EC-value and 1 for acid on pH-value.
- Dosing valve and: electrical quick action valve 124-DN5-24VCA-5W with nozzle Ø2.7mm.
- Dosing capacity per channel: 30-300 litres /hour of fertilizer or acid solution at 3.0 Bar.
- pump capacity net: 9.0 m³/hr net at 4.0 **Bar**:11.0 m³/hr net at 3.5 Bar
- Pump type: Grundfos CHI 12-25. are equivalent
- mains voltage pump: 3-phase, 380-415VAC-50Hz
- Power consumption pump: 2.8 kW.
- EC measurement : 2 EC-sensors with thermostat element 3kΩ/25°C for temperature compensation of the EC-value.
- pH measurement: 2 pH electrodes max. 10 bar, high pressure with coaxial cable 3meters and BNC-connectors, holders for bayonet mounting.
- Dimensions inlet and outlet: water pressure operated inlet valve 2" with float bellow and PVC inlet Ø63 mm and outlet Ø50mm.
- Frame construction: corrosion free materials.
- Electrical cabinet: manual switch, motor soft starter and thermal protection for pump.
- integrated I/O-network materials:
- * 1x power supply unit 9510 with ring core transformer to supply two voltages: 24VAC-205VA for control outputs, fans, relays, and 24VDC-75W for electronic circuits and modules For I/O-network functions will be built in:
- * 1x module EC interface for connection of two EC sensors
- * 1x module pH interface with two BNC connectors, suited for connection of two pH sensors

Configuration:

Water system	1
Litre counter measurement	1
EC/pH measurement and control	1
Fertiliser stock solution tanks	3
Dosing channel control	3
Water treatment recipe	2
Control of irrigation valve.	2

AUTO SAND FILTER:

These filters offer excellent protection for surface water that contains organic contaminants.

Equipped with a 3-dimensional filtration body they provide deep filtration that is known to be the most efficient for all water types. Equipped with a very efficient back flush process they can be used with low pressure and relatively low flow rates. They are made from composite materials with no metal parts, so this makes them resistant to chemicals and acids and guarantees they are built to last. And finally, they have a small footprint so any infrastructure needed in order to position them in your farm is minimized.

Technical specification for Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station

Irrigation & Fertigation auto water fertile-mix (for All structures) multichannel fertigation and irrigation system. (Centralized Automatic) It consists of Fertigation Machine with EC/Ph Control- 1nos., Irrigation Controller – 1nos., with complete hardware and software, BAFO cable for connect, within controller and computer, control and safety valves, Sol. Valve Plastic and , Pressure Relief Valve Plastic , Auto Electric Panel For Irrigation Pumps, polymer tank, Stock solution tank 500 ltrs each -5 set with solenoid control valve, Computer, Chair and cable connection to boom irrigation of primary and secondary seedling houses,

Centralized weather data collection and retrieval system:

- a) Centralized computer/server/data logger to continuously record and retrieve all the weather data collected in different poly house structures, open field and automatic weather station.
- b) Temperature, RH and other sensors/Tensiometers (15cm and 30 cm in each location- 8Nos.) in all the greenhouses/net houses/open field /weather station etc to be integrated to a central computer/server to record the data continuously.

Annexure 14

Specification for Water Tank RCC

Water storage tank with pump set of min 20000 litre capacity

Size of Tank

Sr No	Tank Size (Dimension in ft)					Capacity
	Top Size	Bottom size	Depth	Mean	Side slope	
1	12.5X12.5	10.5X10.5	6.5	10.5X10.5	1:1	20000

Annexure 15

Water Filter RO System and storage tank:

5000 LPH R.O. system with 5000L x 3nos polymer water storage tank placed at 6ft high RCC platform from ground level (for auto filling of polymer tank used for misting, fogging and drip irrigation and fertigation) and housing for RO unit with PPGI sheet and GI pipe and complete plumbing job as per requirement.

Annexure 16

Room for Computerized Fertigation system :

Shelter for accommodate Fertigation machine, stock solution, room size: 10mx5.5.m x 2.6m:

3.5m. RCC and wall thickness 8" on all sides . and with cemented floor with one Door (3.2'X 6') with locking arrangement and one window (aluminum paneled) with exhaust fan and other electric connections.

Annexure 17

Packing Shed with Cold Chamber

Packing shed 14mx6mx3m:4m (LxWxSH:CH)

PACKING HOUSE:

Size: LxWxHc:s 10m x 6m x4m:3m

Structure made by :hot dip galvanized structure.

Roof and all side covered with PPGI sheet with lockable door

Door: Aluminium sliding door 1m wide with accessories.

Electrification : for general purpose

Foundation wall for Packing room wide based 2" below earth"s surface.2" above earth"s surface, as kick-board 9" wide, Frame base block height 3"x9"x9"each with front side wall plinth protection 3"wide 6" thick.

Floor: made by PCC (1:5:10)100 mm thick than CC (1:2:4) 100 mm thick, over that ceramic floor tiles. Floor area : 74sq.m

Cold Chamber 10"x10"x8":- made of puff panel 80mm for roof and all sides with lockable door, flat roof inside packing shed, Temp. range-4°C, multi tier shelve, floor with insulated tiles, with control panel and electrification

Incubation Facility for Farmers :

In house incubation centre for sorting and grading of vegetable will be established at COE. Following equipments would be installed for Grading and packing of Vegetable.

Sterilization Unit	A spary unit is provided along with a 5000 litres water tank, Safe chemicals can be dissolved and sprayed for surface sterilization of Vegetables. It extend shelf life.
Inspection Table	To remove the rotten vegetable, this table have the conveyor system which will take the vegetable to the Grading Machine.
Automatic Grading unit	to grade of all round vegetables from 25 mm to 150mm.
Weighing unit	A plate form type digital weighing scale of 100kg capacity
Sealer	Electric operated Sealer for packing of vegetable.
Plastic Crate	1000nos.
House (Room) for Incubation Facility	
Size	L x W x Hc:s 15m x 8 m x 5m:3.5m
Structure made by	70mmX70mm, 50mm x 50mm & 38mmx38 mm hot dip galvanized pipe, Complete Pre-machined Structure flange based and cladding with puff panel 63mm with inner &outer pre quoted GI sheet 0.5 mm thick.
Window:	made by Aluminium frame with Polycarbonate sheet 6mm thick multiwall and accessories, window size : 4"x4" Qty. 04
Door:	lockable sliding door made by Aluminium frame with Polycarbonate sheet 6mm thick multiwall and accessories, door size 7"x7" qty. 02 nos.
Control panels	Control panels are housed and with lighting and Air conditioners to maintain 25-30°C
Floor :	PCC and tiles flooring
Furniture:	Executive Chairs-12Nos., Executive Table : 02nos, Almera-2Nos.

Soil Solarization area with steam generator

Cemented C.C. Plate farm for Soil Solarization : Size 20mx10m and raised 1' by adding Soil and above that a 4" Concrete floor would be provided.

Steam Generator : The steamer used in a closed –loop system in which water is heated to a desired temperature by the steam generator and circulated through the customer's heat exchanger then returned to the steam generator.

Specifications :

Fuel :	Oil,
Boiler Horsepower	18-20 Bhp.
Steam OUT PUT	250-300 kg/hr
Max Temperature	120°C
Boiler Volume	500 liter
Portable trailer	with 15" pneumatic tires Fuel tank 246 lit and trailer hitch.

Annexure 20**POWER BACKUP FACILITY - Diesel Generator Set with AMF Panel and electrical accessories**

Generator	operating capacity 40KVA with Automatic on/off panel, Shelter with platform for Generator. (make Mahindra / kirlosker or equivalent).
Size	6m x 4m x 4m:3m with shelter
Structure frame	all galvanized steel is used with stand of wind speed 120 km/h
Roof	cover by pre quoted GI sheet 0.5 mm thick.
RCC platform	RCC platform for generator & rest floor CC
Electrical work	Electrical cabling, earthling work as per required generator.

FINANCIAL OFFER

01. NAME OF THE OFFERER

Sl. NO	Item Description	VARIETY	Quantity	Units	BASIC RATE inRs	GST AMOUNT	TOTAL AMOUNT Without Taxes In Rs	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In words
1	2	3	4	5	13	15	53	54	55
1	Fan and Pad system Green house 500 sq, mt		1						
2	Naturally ventilated greenhouse with thermal screen 1000 sq. mt.		2						
3	Walk in Tunnel 450 sq mt		2						
4	Shade net House 1000 sq mt		2						
5	Advance Fertigation Auto Water Mix		2						
6	Auto Sand Filter & Accessories		2						
7	Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station		1						
8	Water Tank 20000 Lts		1						
9	Treatment and Filtration Plant 5000 Lt capacity		1						
10	Room for Computerized Fertigation System		1						
11	Packing Shade with Cold Chamber		1						
12	Sorting & Grading Fully equipped _ Incubation facilities for farmers		1						
13	Soil Solarization with Steam Generator		1						
14	Diesel Generator Set with AMF Panel and electrical accessories		1						
	Cost of Complete Items as above from Sr. No 1 to 14								

(to be submitted online. Hard copy of financial offer need not to be submitted)

Annexure 8

DRAFT AGREEMENT

This agreement made at Bhopal this day ofbetween Madhya Pradesh State Agro-Industries Development Corporation, 'Panchanan, 3rd Floor, Malviya Nagar, Bhopal, M.P. hereinafter referred to as the 'Corporation' which expression shall unless repugnant to the context or meaning there of includes its successors and assigns on the one part.

AND

M/s. having its office at through Shri designation(hereinafter referred to as the Supplier whose expression unless repugnant to the context and meaning thereof includes its assigns, successors and administrations on the other part.

WHEREAS the Corporation invited E tender for supply of ----- on the terms and conditions envisaged in the terms schedule issued with the Rate Contract Offer Document and purchased by the supplier.

AND WHEREAS the supplier has accepted each and every term and condition contained in the Rate Contract Offer Document, while submitting his offer.

AND WHEREAS the Corporation accepted the offer submitted by the supplier vide its letter of acceptance no.dated in consideration of the premises and the mutual premises and undertakings hereinafter specified and for other good and valuable consideration this agreement witness and is hereby agreed on the conditions of the Tender. The following documents shall form and be constructed a part of the Agreement Deed:-

- a. The Tender submitted by the supplier including all the annexure attached thereto.
- b. Specifications for supply of ----- (Attached)
- c. The letter of acceptance dated ----- issued by the Corporation.
- d. The offer submitted by the supplier.
- e. The rates mentioned in annexure to agreement.

The aforesaid documents shall be taken as complementary and mutually explanatory of one another but in case of discrepancies and ambiguities shall take precedence in the order set out above. In this regard the decision of Managing Director, M.P. State Agro-Industries Development Corporation Limited shall be final.

IN WITNESS WHEREOF the parties hereto have signed this agreement on the day and year referred to above.

For Supplier

.....
.....

For

M.P. STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION
LIMITED

Signature with Office Seal

DEPUTY GENERAL MANAGER
(Horticulture)

Witnesses

1.

2.

Witnesses

1.

2.

Annexure 23

List of Mandatory Documents to be uploaded (Self Certified with Seal and signature)

SN	TYPE OF DOCUMENTS
1	Copy of E tender document duly signed and stamped as a token of acceptance of terms and conditions of the E tender
2	Copy of amendment (if any) duly signed and stamped as a token of acceptance of terms and conditions of the E tender
3	Applicant Company Profile as per Annexure 3
4	Affidavit as per Annexure 4
5	Authority to submit E-Tender as per Annexure 5
6	Valid Permanent Account Number (PAN)
7	Valid GSTN.
8	Document as Manufacturer/Supplier of Green House / Net House/ Walk in Tunnel / Registration with DTIC or Udyog Aadhar
9	Minimum eligibility criteria for Experience - FIVE years of experience in India in establishing COE/mini COE on protected cultivation structures and their operations and also Establishment of Automated plug seedling production system (at least 5 units) in reputed Govt./Semi Govt. organization / Institutions / SAUs. They must upload purchase order/work orders and completion report as a proof in support of this. At least one work order date has to be within the last FIVE years before the last date of tender submission.
10	Minimum eligibility criteria for Experience - hand holding support to COE/ Automated plug seedling production for at least 2 years (Minimum 3 such type of project).
11	C.A. Certificate to ascertain Minimum Turn over as per eligibility criterion