



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

NOTICE FOR INVITING TENDER

FOR SUPPLY AND COMMISSIONING VARIOUS INFRASTRUCTURES
FOR CENTER OF EXCELLENCE

KUDDAM (SAUSAR)
DISTRICT CHHINDWARA
MADHYA PRADESH

DUE DATE: 17.10.2022



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DEVELOPMENT CORPORATION LIMITED**
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HO/ HORTI /2022-23/

Bhopal, Dated 22-09-2022

**NOTICE 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 Kuddam (Sausar) district Chhindwara M.P. up to 2.00 PM on 17.10.2022 along with Earnest Money Deposit, from eligible suppliers as detailed in the E-tender documents, which is available at www.mptenders.gov.in. Tender can be seen at www.mpagro.org also. Amendments if any will be published on above web sites, no further notification will be published in the news paper.

Manager (Horticulture)



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

This document contains **32 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 , Scopeof Work Instruction to Bidder	Annexure 1	6- 7
3	General Terms and Conditions	Annexure 2	8- 13
4	Applicant Company Profile	Annexure 3	14
5	Affidavit	Annexure 4	15
6	Authority to submit E-Tender	Annexure 5	16
7	Eligibility Criteria	Annexure 6	17
8	Technical specification for Naturally Ventilated Green House	Annexure 7	18- 19
9	Technical specification for Insect proof net housefor the establishment of mother block for citrus	Annexure 8	20
10	Technical specification for Insect proof net house for the growth of root stock in poly bagsand grafting/hardening	Annexure 9	21-22
11	Technical specification for Irrigation & fertigation auto water ferti-mix multichannel fertigation and irrigation system. (centralized automatic):	Annexure 10	23
12	Technical specification for Auto sand filter:	Annexure 11	24
13	Technical specification for Irrigation & Fertigation Systems & Components, Sand &Flushing filter Weather Station, Irrigation	Annexure 12	25
14	Technical specification for Micro Drip irrigationsystem with fitting accessories	Annexure 13	26
15	Technical specification for Water Tank RCC	Annexure 13	26
16	Technical specification for Water Filter RO system and storage tank	Annexure 13	26
17	Technical specification for Root Trainer	Annexure 13	26
18	Technical specification for Benching system wire bench	Annexure 13	26
19	Technical specification for Tools	Annexure 13	26
20	Technical specification for Room for Computerized Fertigation System	Annexure 14	27
21	Technical specification for Working shed	Annexure 14	27

22	Technical specification for Vermi compost unit	Annexure 14	27
23	Technical specification for Sorting and grading	Annexure 14	27
24	Technical specification for Soil solarization area with steam generator system	Annexure 14	27
25	Technical specification for Bore well 4''	Annexure 14	27
26	Technical specification for Gen set with AMFpanel & electrical accessories	Annexure 15	28
27	Financial offer	Annexure 16	29-30
28	Draft Agreement	Annexure 17	31
29	List of Mandatory Documents to be uploaded(Self Certified with Seal and signature)	Annexure 18	32

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 Chhindwara cum Mission Secretary , District Horticulture Mission Chhindwara
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

Annexure 1

A. DISCLAIMER

Though adequate care has been taken in the preparation of this E tender document, the Bidder should satisfy himself that the documents are complete in all respect. Intimation of discrepancy, if any, should be given to the Corporation before 10.10.2022 up to 03.00 pm in case of non receipt of such intimation, it shall be deemed that date mention under this E tender document 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.11800/--- Rs. Eleven Thousand Eight Hundred only (GST inclusive))
EMD	Rs 3,18,000/--(Rs. Three Lacs Eighteen Thousand only)

Stages of Bidding

Process	Scheduled date	Scheduled time
Purchase of E- Tender	23.09.2022	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	10.10.2022	3.00 pm
Pre Bid Meeting	10.10.2022	3.00 pm
Due date for uploading reply to queries or suggestions	11.10.2022	4.00 pm
Start of Bidding	23.9.2022	5.00 pm
Closing of bid	17.10.2022	2.00 pm
Opening of Technical Bid	17.10.2022	3.00 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.

In Case of any amendments in dates information will be published on corporation website web sites www.mpagro.org.

C. PROLOGUE :

The Corporation wants to set up Centre of Excellence for Citrus fruits at Government Field, Village- Kuddam, Block- Sausar, District- Chhindwara, Madhya Pradesh on the behalf of Department of Horticulture, Government of Madhya Pradesh, Bhopal . 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 infrastructures, E-Tender is hereby invited.

D. SCOPE OF WORK ON TURN KEY BASIS

It covers Supply installation, Commissioning, Trial Run and Training to Concern staff, After Sales Services, Repair and Maintenance will be covered in scope of work.

E. INSTRUCTION FOR BIDDER

The rates are invited under e-tendering system from the manufacturers only. 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. Unsigned uploaded documents are also be accepted as bidder has used its digital signature.

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 Eligibility Criteria and EMD must be uploaded. Bidders are required to submit hard copies of complete technical bid including eligibility criteria and related documents/ technical literature/ Boucher duly signed (except Price Bid).

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 may be called from offerer and it shall be treated as final.

Bidders are advised to upload their bid 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

The Corporation invites E tender for supply and commissioning of various infrastructures as specified in Annexure 7 to Annexure 15 from eligible bidders.

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 without any liability to this Corporation.

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 uploaded online at www.mptenders.gov.in. The Cost of tender document is Rs.11800/- Rs. Eleven Thousand Eight Hundred only (GST inclusive)) (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 15**).

In addition to Annexure 07 to 15 all the Mandatory Documents to be uploaded (Self Certified with Seal and signature) as per list in **Annexure 6 & 18** shall be uploaded in JPG or PDF format only, in minimum resolution of 600 DPI. Document uploaded in other format will not be considered.

In case of clarification needed, Self-attested hard copies of the same will be obtained from Offere. The Corporation any intimated through means of communication and bidder is bound to clarify the issues in prescribed time limit, failing which bid will be disqualified.

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

04- TECHNICAL INFORMATION REGARDING ELIGIBILITY

Technical Bid should contain documents as mentioned in this document.

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 on Corporation website only.

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. 03.18 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.
 - e. if the firm breaches any of all clauses as per the tender document and agreement.
- (iii) The EMD will remain with the Corporation during the currency of the contract and/ or till successful completion of warrantee period 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 after successful completion of warrantee period, no interest will be payable on the security deposit.

08- TECHNICAL SPECIFICATION

Technical Specifications are given in **Annexure 7 to annexure 15**. Supplier has to supply items as per the specification.

09- QUOATING OF RATES

- 9.1 The Bidder must submit rates online only as per format given in **Annexure 16**. 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 (show separately), Corporation margin (5% of rates offered i.e Basic Price) 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 applicable taxes.

10- REASONABILITY OF RATES

- 10.1 Offerer shall have to offer his lowest rates and it should be strictly in accordance with the clause mentioned below (applicable from the date of Submission of Tender).
- 10.2 The price charged for Item(s) under this short tender by the bidder shall in no event exceed the lowest price at which the identical items to any other person /Organization/ Government Department/ Govt. Corporation / or any Govt. Body in Madhya Pradesh during the period of contract till completion of all orders issued during the currency of contract.
- 10.3 At any time during the aforesaid period, If the Supplier reduces unit offer price of such offered item(s) or offers such items to any other person / organization at a price lower than the price chargeable under the contract, the Supplier shall forthwith notify such reduction in the rate to the Corporation.
- 10.4 After such reduction in unit offer price, the amount paid under this contract to bidder shall be reduced correspondingly & the Corporation shall be entitled to recover such excess amount from the supplier's forthcoming bills.

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 single or all eligible offerers.

12- VALIDITY OF APPLICATION

Application submitted to the Corporation are valid for acceptance for 6 months from the date of opening of financial bid.

13- EXECUTION OF AGREEMENT:

- (a) The successful offerer shall have to execute an agreement as per **Annexure 17** 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**.

- (c) The Agreement is Valid up to final execution of the Project and completion of warranty period.

14- PLACEMENT OF ORDER

The Head of Department (Horticulture Section) of the Corporation's / Regional Manager of the Corporation shall place purchase order to the supplier.

15- SCHEDULE AND MODE OF SUPPLY AND PAYMENT

A- SUPPLY -

1. The supplier has to supply and install the ordered infrastructures within 90 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 15.1) . 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

B- PAYMENT –

- 1- On successful installation and Handing Over of protected cultivation infrastructure the payment shall be released on "Payment after Payment" basis. (i.e. on receipt of payment from Consignee Department the Corporation will make 90% payment of invoice to supplier).
- 2- Remaining 10% payment will be released after successful completion of warranty.

16- TRANSIT 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).

17- WARRANTY

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

18- TRAINING

Officials posted at Center of Excellence, Sausar, District Chhindwara will be imparted one day training. During the training, the supplier shall demonstrate operation as well as maintenance of Infrastructures.

19- AFTER SALE SERVICE AND MAINTENANCE

The supplier shall be fully responsible for maintenance and the satisfactory performance of various infrastructures during the warranty period.

20- 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.

21- Submission of short tender means that the Offerer has accepted all the terms and conditions contain herein.

22- 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.

23- 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.

24- INSPECTION

The Managing Director of this Corporation/ The Commissioner, Horticulture and Farm Forestry 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 and work done by Offerer / Supplier is not according to the documents submitted or required specifications, the Managing Director reserves the right to reject the offer or terminate the agreement.

25- 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.

26- 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.

27- 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 understood that the bidder has satisfied himself about such

amendments.

28- 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.

29- For all legal proceedings the district court Bhopal will have jurisdiction.

30- It is the discretion of the Managing Director of the Corporation to accept / reject the application without assigning any reason thereof.

Manager {Horticulture}

BIDDER COMPANY PROFILE

Sr.	Particular	Detail
1	Name of Organization	
2	Nature of the Organization	
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 Number, Mobile Number.	
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	GSTIN	

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

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**

ELIGIBILITY CRITERIA

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

1. The bidder shall have Annual turnover for last three financial (2018-19 2019-20& 2020-2021) years, ending on 31 March 2021, should not be less than INR 3 Cr. in the field of similar type of facilities (i:e Installation and Setting of Infrastructure such as Green House net house and related Item) . 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 (2018-19 2019-20& 2020-2021).
3. The Bidder / Applicant should provide proposed work plan with CAD Design / Drawing / Layouts.
4. 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).
5. Joint Venture for the said project is not allowed.
6. Bidders Company / Organization should be a Private Limited / Government Registered Company.
7. An affidavit on Rs.100/- 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.

Seal and Sign of.....

AUTHORISED SIGNATORY

ANNEXURE 7

SUGGESTED TECHNICAL SPECIFICATIONS OF NATURALLY VENTILATED GREENHOUSE (200 MICRON UV PLASTIC FILM) STOCK RAISING. (NO.-01)

Sl. No	Items	Description/Specifications
1.	Product	Naturally Ventilated Greenhouse
2.	Size	500 m ²
3.	Bay size	8mx 4m, Width of green house should be at least 35 % of the desired length.
4.	Ridge height	5.5m
5.	Ridge Vent	80-90 cm opening fixed with 50 mesh nylon insect screen
6.	Gutter height	4.5 m from floor area
7.	Gutter slope	1% slope need be provided in civil foundation work/ structure
8.	Gutter material	2 mm thick GI sheet with perimeter of 500 mm or more preferably of single length without joint
9.	Structural design	The structural design need to be sound enough to withstand wind speed minimum 150 km/hr and minimum load of 25 kg/m ² . There should be provision for opening one portion at either side for entry of small tractor/power tiller for intercultural practices. The firm needs to high light design features and list of green house clients.
10.	Structure	Complete structure made of galvanized steel tubular pipes or equivalent section conforming Indian Standards having wall thickness 2mm, structural member should be joined with fasteners properly.
11.	Columns	76 mm OD, 2 mm thick
	Trusses	Bottom & top cord 42 mm OD, 2 mm thick
	Trusses member	60 mm OD, 2 mm thick
	Purlin	42 mm OD, 2 mm thick
	Purlin member & others	33/25 mm, 2 mm thick
	Foundations	Insert GI pipes of minimum 60 mm OD or more to have foundation depth of 100 cm prevailing wind condition, grouted with cement concrete mixture of 1:2:4 using telescopic insertion of column.
	Fasteners	All nuts & bolts must be of high tensile strength and galvanized.
11.	Entrance room & Door	One double door entrance room of size 3 m x 3 m x 3 m (L x W x H) need to be provided and covered with 200 micron UV stabilized transparent plastic film. Two hinge doors of size 2 m width & 2.5 m height double leaf made in plastic/FRP sheets mounted in suitable strong frame.
	Entrance room & Door	One double door entrance room of size 3 m x 3 m x 3 m (L x W x H) need to be provided and covered with 200 micron UV stabilized transparent plastic film. Two hinge doors of size 2 m width & 2.5 m height double leaf made in plastic/FRP sheets mounted in suitable strong frame.
12.	Cladding material	UV stabilized 200 micron transparent Plastics films conforming Indian Standards (IS 15827: 2009), multilayered, anti drip, anti fog, anti Sulphur, diffused, clear and having minimum 85% level of light transmittance.

13.	Fixing of cladding materials	All ends/joints of plastic film need to be fixed with two way aluminum profiles with suitable locking arrangement along With curtain top.
14.	Spring Insert	Zigzag high carbon steel with spring action wire of 2-3 mm diameter (plastic coated) must be inserted to fix shade net into Aluminum Profile.
15.	Curtains and insect screen	Roll up UV stabilized 200 micron transparent plastic film as curtains need be provided up to 3.0 m height on all sides having fully motorized crank mechanism. 50 mesh nylon insect proof nets (UV stabilized) of equivalent size need to be fixed inside the curtains. Anti flapping strips is suggested to ensure smooth functioning of the curtain.
16.	Shade net	UV stabilized 50% shading net with fully motorized mechanism for expanding and retracting. Size of net should be equal to the floor area of greenhouse.
17.	Irrigation System with fogging & misting facility	Downside hanging sprinklers: anti leak sprinkler 70lph /105 lph at spacing 4m x 4 m spacing Modular sprinkler, LLDPE laterals 16 mm, PVC pipe of various sizes, PVC valves, fittings & Accessories, Common Pump and Filtration Unit along with fogging and misting facilities connected with automation system.
18.	Table racks	steel tables for trays

Seal and Sign of.....

AUTHORISED SIGNATORY

SUGGESTED TECHNICAL SPECIFICATIONS FOR INSECT PROOF NET HOUSE FOR THE ESTABLISHMENT OF MOTHER BLOCK FOR CITRUS: (NO.-02)

S. N.	Item	Specification
01	Structure	Dome shape Shade/Insect Net House
	Size	2000m ²
	Shape	As per design
	Withstand to wind velocity	Structure may be designed to withstand wind velocity upto 104 Km/hr, 120 km/hour per hrs in high wind velocity zone.
	Foundation	2mm thickness GI Pipes compatible with columns, length 1.2m
	Main Column	Size 76 OD, Thickness 2 mm,
	Purlins	Purlin GI pipes – size 48/43 OD/thickness 2 mm, length – 4 m .Purlin members – 33/32mm OD/2mm thickness,
	Corner/Hockey	Size 60OD, Thickness 2mm, Wt. per length 0.15kg, length-0.15m
	Four Way Pipe Couplers	Size 42OD, Thickness 2mm, Wt. per length 0.15kg, length-0.15m
	Five Way Pipe Couplers	Size 42 OD, Wt. per length 2.30 kg, Thickness 2mm, length- 0.15m
	Nut Bolts	Size 3/8”
	Grid Size	4x4, 8x4, 4x6 (m) with 2 mtr hockey on 4 side
2	Gable length	4.0 m
3	Height	Flat Structure –5m
4	Aluminum Profile	C type GI profile to fix shade net to the structure by means of self-tapping screws. Weight of GI profile is 280-300 gm/meter. Self- Drilling Screw be fixed on profile every 40 cm along the full length of the profile
5	Spring Insert	A coated spring is preferable compared to cold galvanized spring as a coated spring transfer less heat to the plastic and thus enhances the life of the plastic If we are using GI spring it is better to use a two inch strip of new poly film to be placed over the main plastic in the profile and then lock it with GI profile. This will help in longer life of the plastic as the rusted spring will not directly come in contact with the main plastic. Wire material should be high carbon spring steel with spring action.
6	Covering material	The boundaries are a photo-selective net (net that integrates physical and optical protection), anti-insect 50-mesh, material HDPE, and 50% shade. The roof-top is a clear color net, anti-insect 50-mesh, material HDPE, 30% shade
7	Door	Double door with 1 m widths and 2m height and another door of 1mx2m Box section frame is embedded inside for the strength.
8	Anti- Room	Anti-room of size 4mx 3m attached to net house
9	civil work/foundation	Cement concrete 1:2:4 block of size 40 cm x 40cm, 90 cm for embedding vertical poll/pipe of shade net, subject to revision as per requirement of site.
10	Overall slop	1 %
11	APRON	Use of APRON up to 1 mtr height stitched with insect net/ shade net
12	Irrigation	Drip irrigation: Double lateral PC drip irrigation connected to automation (irrigation & fertigation system)

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SUGGESTED TECHNICAL SPECIFICATIONS FOR INSECT PROOF NET HOUSE FOR THE GROWTH OF ROOTSTOCK IN POLY BAGS AND GRAFTING/HARDENING: (NO.-03)

S.N.	Item	Specification
01	Structure	Flat Insect proof Net House
	Size	2000m ²
	Shape	As per design
	With stand to wind velocity	Structure may be design to withstand wind velocity upto 104 Km/hr, 120 km/hour per hrs in high wind velocity zone.
	Foundation	2mm thickness GI Pipes compatible with columns, length-1.2m
	Main Column	Size 76 OD, Thickness 2 mm,
	Purlins	Purlin GI pipes – size 48/43 OD/thickness 2 mm, length-4 m Purlin members – 33/32mm OD/2mm thickness,
	Corner/Hockey	Size 60 OD, Thickness 2 mm, Wt. per length 0.15 kg, length-0.15 m
	Four Way Pipe Couplers	Size 42 OD, Thickness 2 mm, Wt. per length 0.15 kg, length-0.15 m
	Five Way Pipe Couplers	Size 42 OD, Wt. per length 2.30 kg, Thickness 2 mm, length-0.15 m
	Nut Bolts	Size 3/8"
Grid Size	4x4, 8x4, 4x6 (m) with 2 mtr hockey on 4 side	
Gable length	4.0 m	
Centre Height	Flat Structure –4m	
2.	Aluminum Profile	C type GI profile to fix shade net to the structure by means of self-tapping screws. Weight of GI profile is 280-300 gm/meter. Self-Drilling Screw be fixed on profile every 40 cm along the full length of the profile
3.	Spring Insert	A coated spring is preferable compared to cold galvanized spring as a coated spring transfer less heat to the plastic and thus enhances the life of the plastic. If we are using GI spring it is better to use a two inch strip of new poly film to be placed over the main plastic in the profile and then lock it with GI profile. This will help in longer life of the plastic as the rusted spring will not directly come in contact with the main plastic. Wire material should be high carbon spring steel with spring action.
4	Covering material	The boundaries is a photo-selective net (net that integrates physical and optical protection), anti-insect 50-mesh, material HDPE, and 50% shade. The roof-top is a clear color net, anti-insect 50-mesh, material HDPE, 30% shade
5	Door	Double door with 1 m widths and 2m height and another door of 1m x 2m Box section frame is embedded inside for the strength.
6	Anti- Room	Anti-room of size 4m x 3m attached to net house
7	civil work/foundation	Cement concrete 1:2:4 block of size 40 cm x 40cm, 90 cm for embedding vertical poll/pipe of shade net, subject to revision as per Requirement of site.
8	Overall slop	1 %

9	APRON	Use of APRON upto 1 mtr height stitched with insect net /shade net
10	Drip irrigation and fogging System	Drip irrigation: online PC 4way drippers with micro-tubes (pegs) and fogging system as per area of the structure.
11	Optional	Aluminum Screen ShadeNet 35 to 65% minimum 75 GSM to 90 GSM plastic as top is dome top.

Soil-less media:- 40% coco peat with 40 % sand mix and 20% organic manure after composition of six months (vermi compost).

Irrigation system:-

- Online PC drip with micro-tubes and pegs having discharge 8 LPH with automation.
- Company should provide five years of guarantee.
- Centre of Excellence team will maintain the irrigation system

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TECHNICAL SPECIFICATION FOR IRRIGATION & FERTIGATION AUTO WATER FERTI-MIX MULTICHANNEL FERTIGATION AND IRRIGATION SYSTEM -(2 Nos.)

4 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 3k Λ /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

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TECHNICAL SPECIFICATION FOR AUTOSAND FILTER- (02 Nos.)

<p>5</p>	<p>AUTOSAND FILTER: These filters offer excellent protection for surface water that contains organic contaminants.</p> <p>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.</p>
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TECHNICAL SPECIFICATION FOR IRRIGATION & FERTIGATION SYSTEMS & COMPONENTS, SAND & FLUSHING FILTER WEATHER STATION, IRRIGATION - (01 NOS.)

6	<p>Irrigation & Fertigation Systems & Components, Sand & Flushing filter Weather Station, Irrigation & Fertigation auto water fertile-mix (Green House multichannel fertigation and irrigation system. (Centralized Automatic)</p> <p>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,</p> <p>Centralized weather data collection and retrieval system:</p> <ol style="list-style-type: none"> 1. 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. 2. 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
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TECHNICAL SPECIFICATION FOR MICRO DRIP IRRIGATION SYSTEM WITH FITTING ACCESSORIES, WATER TANK MADE BY RCC ,WATER FILTER, ROOT TRAINER ,BENCHING SYSTEM WIRE BENCH FOR HARDENING CHAMBER ,TOOLS

7	Micro Drip irrigation system with fitting accessories: 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 11ph, RPVC 40mm 6Kg/cm2, RPVC 63mm 4Kg/cm2, Required pump as per capacity, PVC fitting, Water tanks etc. 1 Complete Set	8000 sqm
8	Water Tank made by RCC	40000 ltr
9	WATER filter : For Remove Iron from water by material b & activated carbon & treatment filtration plant 5000 ltr .	02 Complete set
10	Root Trainer 12 cell 300 CC	3500 no’s
	Root Trainer 24 cell 150 CC	4000 no’s
11	Benching system wire bench for Hardening chamber for 1000 sqm	1 set
12	Tools : EC & PH meter-1 set, Electronics weighing machine range : 01 mg to 50gm. Qty.01 , HTP power sprayer, ,knap sack sprayer, power weeder etc.	01 Complete Set

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Annexure 14

TECHNICAL SPECIFICATION FOR ROOM FOR COMPUTERIZED FERTIGATION SYSTEM ,WORKING SHED ,VERMICOMPOST UNIT , SORTING AND GRADING ,SOIL SOLARIZATION AREA WITH STEAM GENERATOR SYSTEM ,BOREWELL 4''

13	Room for Computerized Fertigation System size 55 sqm	01 Complete set
14	Working shed 200 sqm	1 set
15	Vermicompost unit size 500 sqm	1 set
16	Sorting and grading Area size 200sqm	1 set
17	Soil solarization area with steam generator system size 200 sqm	1 set
18	Borewell 4''	01

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TECHNICAL SPECIFICATION FOR GENSET WITH AMF PANEL & ELECTRICAL ACCESSORIES

19	<p>Genset with AMF panel & electrical accessories</p> <p>Generator operating capacity 27 KVA with Automatic on/off panel, Shelter with platform for Generator.(make Mahindra / Kirloskar or equivalent).</p> <p>Size 6m x 4m x 4m:3m with shelter</p> <p>Structure frame : all galvanized steel is used with stand of wind speed 120 km/h</p> <p>Roof cover by pre quoted GI sheet 0.5 mm thick.</p> <p>RCC platform for generator & rest floor CC.</p> <p>Electrical cabling, earthing work as per required generator.</p>	1 set
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FINANCIAL OFFER

01. NAME OF THE BIDDER

S. No.	Particulars	Number	Area (Sqm)	Annexure
A	Infrastructure			
1	Naturally Ventilated Greenhouse	1	500	7
2	Insect proof Net House (Mother block)	2	2000	8
3	Insect proof Net House (for rootstock establishment, grafting & hardening)	3	2000	9
B	Irrigation and Fertigation System			
4	Advance Fertigation auto water ferti mix S no. 2,6,7,8	2	-	10
5	Auto Sand filter & accessories	2	-	11
6	Irrigation & Fertigation System & Components Sand & Flushing Filet Weather Station S.1 14.4	1	-	12
7	Micro Irrigation - Drip Irrigation fittings & accessories for S no. 4,6,7,8	1	8000 m ²	13
8	Water Tank RCC	1	40000 ltr	13
9	Water Filter	2	-	13
10	Root Trainer for fruit plants	1	7500 nos	13
11	Benches system-wise bench	1	1000 m ²	13
12	Machinery & Equipment, power sprayer power filler hand tools	1		13
C	Others Infrastructure- components			
13	Room for computerized fertigation system	1	55 m ²	14
14	Working shed	1	200 m ²	14
15	Vermi compost unit	1	500 m ²	14
16	Sorting & Grading area	1	200 m ²	14
17	Soil Solarization area with steam Generator System	1	200 m ²	14
18	Bore Well 4	1	-	14
D	Electrification			
19	Genset with AMF Panel & Electrical accessories	1	-	15

1	2	3	4	5	13
		BASIC RATE in Rs	GST AMOUNT in Rs	TOTAL AMOUNT Without Taxes In Rs	TOTAL AMOUNT With Taxes
1	2	3	4	5	6
1	SUPPLY AND COMMISSIONING OF VARIOUS INFRASTRUCTURES FOR ALL ITEMS AS PER ANNEXURTE - 07-15				

(Financial bid had To be submitted online only on the format given on portal. Hard copy of financial offer need not to be submitted)

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DRAFT AGREEMENT

This agreement made at Bhopal this day of..... between 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.

LIST OF MANDATORY DOCUMENTS TO BE UPLOADED (SELF CERTIFIED WITH SEAL AND SIGNATURE)

S.No	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
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.

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