

**ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH
HESSARAGHATTA LAKE POST, BANGALORE-560 089**

BID DOCUMENT

FOR

SUPPLY, ERECTION, TESTING AND COMMISSIONING OF

**CENTRE OF EXCELLENCE ON PROTECTED CULTIVATION OF
HORTICULTURAL CROPS on Turn Key Basis**

UNDER

**Mission Integrated Development of Horticulture (MIDH),
Ministry of Agriculture & Farmers Welfare, Government Of India
&
Karnataka State Horticulture Mission Agency , Government of Karnataka**

AT

**ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH
HESSARAGHATTA LAKE POST, BANGALORE-560 089 KARNATAKA**



ಭಾರತೀಯ ತೋಟಗಾರಿಕೆ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ
भारतीय बागवानी अनुसंधान संस्थान
INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR)
ಹೆಸರಗಟ್ಟ ಕೆರೆ ಅಂಚೆ, ಬೆಂಗಳೂರು-೫೬೦೦೮೯.
हेस्सरघट्टा लेक पोस्ट, बैंगलूर – 560 089
HESARAGHATTA LAKE POST, BANGALORE – 560 089



EPABX: 080-23086100/218/217/283/202

FAX: 080-28466291

E.mail:CAO-hoa.iihr@icar.gov.in; PI:shankara.hebbarS@icar.gov.in

Indian Institute of Horticultural Research has got requirement of the goods and services as indicated below.Tender is being invited for which you are invited to submit your most competitive bid for the same. All the relevant details are given below.

NOTICE INVITING TENDER (TWO BID SYSTEM)

THROUGH E-PUBLISHING

TOWARDS ESTABLISHMENT OF CENTER OF EXCELLENCE ON PROTECTED CULTIVATION (COE-PROTECTED CULTIVATION) AT ICAR- IIHR, HESARAGHATTA, BANGALORE.

The tender document contains the following:-

Annexure-I :General Terms and Conditions &Eligibility Conditions

Annexure II :Scorecard For Accessing the bidder

Annexure III :Client List

Annexure IV : Brand/make list

Annexure V :Tender Acceptance Letter

Annexure VI: Checklist for Bid submission

Annexure VII :Technical Specifications and Financial bid

Annexure VIII : Abstract &Sections (Items) of Financial Bid for quoting separate price

(Annexure I to VI are part of Technical bid; Annexure VII & VIII are part of Financial bid, to be submitted in separate sealed envelope)

Tender Enquiry No. : F.No.5-130/2018-19/SP/ COE-PC	
Date and Time for Issue/Publishing	29.06.2019 at 12.00 PM
Document Download Date and Time	29.06.2019 at 12.00 PM
Bid Submission start Date and Time	29.06.2019 at 12.00 PM
Bid Submission End Date and Time	20.07.2019 at 03.00 PM
Date and time for opening of technical bid and technical evaluation	22.07.2019 at 11.00 AM

IMPORTANT NOTES:-

- i. Tender Documents can be downloaded from IIHR website www.iihr.res.in or from the Central Public Procurement Portal www.eprocure.gov.in, <https://eprocure.gov.in/epublish/app> and submit the hard copy to AAO(SP) as per instruction given in tender document.
- ii. The Director, IIHR reserves the right to accept / reject any or all the tenders in part /full without assigning any reason thereof.
- iii. Any change / corrigendum/ extension of opening date in respect of this tender shall be issued through above websites. Bidders are therefore requested to regularly visit websites of IIHR and CPP portal for updates.
- iv. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The ICAR-IIHR reserves the right to accept or reject any or all the tenders.

Sd/-
(G.G. HARAKANGI)
CHIEF ADMINISTRATIVE OFFICER

Annexure I



ಭಾರತೀಯ ಹೋಟಾಕಾರಿಕೆ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ
भारतीय बागवानी अनुसंधान संस्थान
INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR)
ಹೆಸರಗಟ್ಟ ಕೆರೆ ಅಂಚೆ, ಬೆಂಗಳೂರು-೫೬೦೦೮೯.
ಹೆಸರಗಟ್ಟ ಲೇಕ್ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು - 560 089
HESSARAGhatta LAKE POST, BANGALORE - 560 089



F.No.5-130/2018-19/SP/ COE-PC /

Date:29.06.2019

Sir,

You are invited to submit your most competitive quotation for the following work:-

Sl. No.	BRIEF DESCRIPTION OF THE WORKS/Equipment	EMD
1.	Establishment of center of Excellence on protected cultivation involving construction of protected cultivation structures, automated seedling production unit and other components (item 1 to 30 as listed in the tender document Annexure VII and VIII) (Technical Specification : Enclosed Annexure – VII and VIII)	Rs.14.30 lakhs

General Terms and conditions

1. The location of the project is at ICAR-IIHR campus, Hesaraghatta Lake P.O, Bengaluru-560089, Karnataka.
2. This tender is in two bid system that is Technical bid and Financial bid. Financial bid will be opened after Technical evaluation. Tenderer should place technical bid and financial bid envelopes separately and then place them in a single envelope and submit.
3. Quoted rate should be written legibly in ink or type written. No alterations should be made to any of the terms and conditions of the tenders by scoring out, altering or overwriting; similarly no alterations are permitted in the rates quoted by them. No alterations will be allowed after this Office receives the tender. Ambiguity must be avoided in filling the tenders. **However, any corrections etc., made will have to be duly attested with dated signatures and official seal.** The tenders not complying with these conditions will be rejected summarily.
4. The erection of structure must be carried out as per the standard specifications under the supervision of concerned authority of IIHR and has to be got certified by him, duly handing over all warranty certificates for the equipments/gadgets/structure.
5. **Supply, erection, testing and commissioning of all structures is on Turn Key basis.** The total project is to be set-up on Turn-key basis including inter-connecting pipeline / irrigation sections/drainage/electricity supply/fertigation line/signaling line etc. **Bids will be considered only against execution of the project on Turn-key basis.** Bidders must quote the price/item wise (as listed in Annexure VIII), to all items (corresponding

components elaborated in Annexure VII). Otherwise bid will be summarily rejected. Price quote to be given in both Annexure VII & Annexure VIII

6. The entire work is to be completed within six months from the date of issue of purchase order. In the sense one financial year.
7. Specifications given are indicative and the tenderer is to give a detailed description and specifications wherever needed.
8. Tenderer should submit the layout plan of overall facility and also should submit the design of major type of greenhouse structures and other components requested in the tender.
9. The structure to be supplied by the tenderers should be of reputed brand and meet the quality standard and as per the existing norms.
10. Period of warranty shall be as mentioned below from the date of commissioning and handing over the facility.
 1. Three years for GI structure against fabrication defect/material quality
 2. One year warranty for remaining facilities
11. The successful bidder shall be responsible for the technical operation all gadgets/machineries/facility for a period of two months from the date of handing over after commissioning and trial run. The bidder shall deploy at least one experienced person for advising any doubts regarding operation and maintenance besides trouble shooting whenever required.
12. During evaluation of bids subsequent to opening, the Institute may at its discretion, ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing and no change in the bid will be entertained.
13. The bidder may come prepared for a power point presentation of 15 minute duration before the technical evaluation committee on the date of tender opening on the following: companies fast experience in constructing of naturally ventilated polyhouses, climate controlled polyhouse, fan and pad system and automated seedling production unit, plan and implementation of present tender.
14. The specifications and other conditions prescribed in Annexure – VII of this tender shall also be treated as part of these tender documents for all purposes.

15. Corrections, if any, in the quoted price shall be made by crossing out and initialing, dating, placing official seal and reviewing.
16. The GST amount and rates should be shown separately in the quotation along with GST Number. Otherwise quotation will be rejected.
17. Prices to be quoted on FOR basis including all applicable taxes and duties, freight, installation, commissioning, trial run, training charges etc in Indian rupees.
18. Tenderer should submit the copies of Purchase Orders in support of their genuineness in establishment of COE facility/greenhouse construction/Hitech seedling production unit/protected cultivation in reputed Universities / Colleges / Departments/institutes.
19. The Rates quoted by the Bidder shall be valid at least for a period of not less than 180 Days.
20. The rates quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account. Rates need to be quoted for all items of work, otherwise, the tender will be rejected.
21. The rate quoted should include all the applicable taxes, levies, octroi, duties, transportation to the project site, etc.
22. The bidder is advised to visit the site of work at his own expenses and obtain all information that may be necessary for preparing the quotation/bid.
23. Each Bidder shall submit only one Quotation.
24. The Bidder's representatives who will be present while opening the bids shall sign in the register evidencing their attendance. They must come with authorization letter from the firm.
25. Notwithstanding the above, the IIHR reserves the right to accept or reject any/all Quotation(s) and to cancel the bidding process and reject all Quotations at any time prior to the award of contract.
26. The Successful Bidder shall have to furnish the performance security either by a Bank Guarantee or a Bank Draft in favor of the Director IIHR, for an amount equal to 10% of the Contract price. The Performance Security shall be valid till the end of replacement warranty period (one year).

27. No advance or part payment will be given. Payment will be arranged only after Satisfactory completion and handing over of entire work. However, **if the firm requests, fifty percent of project cost will be paid after the delivery of all the items required for the completion of the project and completing the execution of 50% of the work.**
28. Quotations should be submitted along-with Earnest Money Deposit (Interest Free) of **Rs.14.30 lakhs** for the above item by way of Demand Draft drawn in favour of the Director, Indian Institute of Horticultural Research, Bangalore 89 payable at State Bank of India, Hesaraghatta Branch, Bangalore-89. Quotations without EMD or insufficient EMD will not be considered. The EMD will be liable to be forfeited, if the bidder withdraws or amend, impairs, or derogates the Quotation, in any respect within the period of validity of this Quotation.
29. If any firm has EMD exemption, they must attach copy of exemption certificate with the tender.
30. EMD of unsuccessful agency/bidder (except L1, L2 & L3) remitted in the form of DD will be returned to the concerned bidder without any interest thereon, as early as possible.
31. Income tax will be deducted from the total bill of the executing agency as per government rate prevailing from time to time.
32. The required suitable land, water and power connection will be provided by the ICAR-IIHR. The bidder has to carry out all the works from supply, erection, testing and commissioning of Structure, electrical/Irrigation equipment installations, machineries as per the approved tender schedule/purchase order.
33. For water & Electricity supplied by this institute, one percent of the project cost shall be recovered.
34. Penalty will be imposed @ 0.50% per week subject to maximum of 10% of the total cost of work, if works are not completed within scheduled item or mutually extended period. The Director, IIHR, may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 10% of the contract amount.
35. The bidders have to attach the documents regarding RTGS details.
36. Firm's company Registration certificate & TIN registration certificate to be provided
37. All modifications, amendments etc will be published in Central Public Procurement Portal along with IIHR website.
38. All documents supporting the items mentioned in the eligibility condition need to be provided.

39. The bill is to be submitted in triplicate in GST prescribed Performa with details of applicable tax rates, amount and GST number.
40. Brand/make of the items proposed to be supplied in the COE has to be committed as per the proforma provided in Annexure IV and these should be of reputed make which have proven its worth over a period of time.
41. Facility created should be functional in terms of maintaining the optimum temperature and humidity for growing crops and seedlings, which should be kept in mind while executing the work and to that effect if any changes is required, additional material required/ cost involved etc. is to be kept in mind while quoting and with the approval of competent authority of IIHR, should be able to deliver a flawless structure.

ELIGIBILITY CONDITIONS (PRE QUALIFYING CONDITIONS)

1. The Firms should have minimum seven years of experience in India of creating similar facility/project (similar facility/project means COE on protected cultivation/greenhouse construction/Automated plug seedling production system) in reputed Govt./Semi Govt. organization / Institutions / Undertakings. They must enclose purchase order/work order proof in this regard spread over 7 years.
2. The tenderer should have executed minimum one similar project/work (Purchase order proof to be provided) of value of Rs.5.74 crores Or 2 works of Rs.3.57 crores each, or 3 works of 2.86 crores each.
3. Turnover during the past three years (Financial year 2014-15, 2015-16, 2016-17, or 2015-16, 2016-17, 2017-18) should be on an average Rs.10 crores per year in the area of COE establishment/greenhouse construction/Hi-tech seedling production. Profit and loss account and balance Sheet certified by the Chartered Accountant indicating the Turnover per annum for the said period should be enclosed. Only that balance sheet and profit and loss account statement that are used for filing IT returns should be enclosed.
4. Registration with GST is compulsory. GST certificate is to be provided.
5. Firms' Registration document and TIN number to be provided
6. Client list with contact person's name, phone number, postal address and E-mail ID shall be provided for verification (minimum six).
7. Registration with Income Tax department (Copies of PAN card & IT returns for FY 2014-15, 2015-16, 2016-17, or 2015-16, 2016-17, 2017-18 are to be provided.

8. Bidder must Secure minimum 65 score in the score sheet provided in Annexure II to qualify in the technical bid.
9. The financial bids of only those firms who qualify in Technical bid evaluation will be opened. The financial bid will be evaluated on the basis of total cost of the project quoted by the firm. The firm should have quoted in respect of all the items of the project.
10. Important Instructions: All are requested to provide required important documents along with the tender, failing which the bid will be rejected without any notice.

The Technical Bid (Annexure I to VI) and Financial Bid (Annexure VII, VIII) should be sealed individually in separate envelopes and both these envelopes should be kept in a single envelope. The inner and outer envelopes (all three envelopes) shall bear the following "To" address, name and address of the bidder and superscripting as "Tender for COE-Protected Cultivation":

The Assistant Administrative Officer (Stores Purchase),
Administrative Building, ICAR-IIHR,
Hesaraghatta Lake P.O., Bengaluru-560089

Bidding Documents must be received by **The Assistant Administrative Officer (Stores Purchase)** at the address specified above not later than the time and date specified in the invitation for bids. In the event of the date specified being declared as a holiday for the Institute, the bids will be received up to the specified time on the next working day.

Sd/-
(G.G. HARAKANGI)
CHIEF ADMINISTRATIVE OFFICER

SCORE SHEET FOR TECHNICAL EVALUATION OF BIDDER*Important Note: Proof is to be provided to qualify for the marks*

Sl. No.	Criteria	Max. Marks	Marks Obtained	Remarks
1	Experience in India of creating the facility of Center of Excellence on protected cultivation/greenhouse construction/Automated seedling production system. Should provide yearwise list of users with name of contact person, address and contact details. Enclose purchase order/work order proof (1.5 mark/year) .	10.5		
2	Completion of Plug or V-type seedling projects/COEs on protected cultivation/greenhouse construction having order value of not less than 2.86 croreseach(To be appended with purchase order/work order) (3 marks for each project) .	18		
3	Number of years having annual turnover not less than rupees 10 crores in the area of Center of Excellence on protected cultivation/greenhouse construction/Automated seedling production system. Profit and loss account and balance Sheet certified by the Chartered Accountant indicating the Turnover per annum for the said period should be enclosed. Only that balance sheet and profit and loss account statement that are used for filing IT returns should be enclosed (three marks/year) .	9		
4	ISO certificates – 4.1) ISO 9001:2008, 4.2) ISO 14001:2004 4.3) ISO OHSAS 18001:2007 Attach certificates (2.5 marks per certificate)	7.5		
5	Soundness of the firm in executing the works evidenced by user certificates/testimonials by the government agency (attach proof) (twomark each) .	10		
6	Having own COE Facility on protected cultivation. Provide proof, address and contact details.	8		
7	Having Own manufacturing facility in the same field (Proof of contact details of office, factory address to	7		

	be given)			
8	Detailed technical CAD drawings of the Project and greenhouses (Over all plan showing all the major units of COE like Seeding Machine house, wash area, store room, climate controlled polycarbonate house, fertigation room, centralized computer room, hardening house, 10 polyhouses, 3 net houses, low tunnel, polynet house, pack house, workshop, water harvesting pond, drains and road, generator room, main gate etc (5 marks). Layout map inside the seeding machine house (0.5 mark). Climate controlled polycarbonate house (1 mark). Secondary hardening NV polyhouse (1 mark). One 580sq.m polyhouse (1 mark). One net house (0.5 mark). Both ground plan and elevation to be given. To be given both hard and soft copy.	9		
9	Having after sales service center the same field (proof, contact details and address to be given)	6		
10	Companies should give videos of the completed projects in past 5 years in a CD/USB drive (each video not more than 10 minutes) (1 marks/video)	5		
11	Power point Presentation by the firm	5		
12	Human Resource: Full time employed technical manpower 1. Engineers (Minimum B.Tech) 2. Scientists (Minimum Phd) (One mark per position) (Proof of employment & proof of qualification to be given for each position)	5		
	Total Marks	100		

Bidder must Secure 65 marks minimum to qualify in the technical bid

Client list Proforma (Minimum 6)

Sl.No.	Name of the Organization and address	Contact persons name & designation & postal address	Contact phone number & E-mail ID
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Brand/makecommitmentof equipment/unit/items to be used in the project

S.No.	Name of the Item	Name of manufacturer and model name wherever applicable
1	Automatic seedling production unit having Diffuser & Mixer, tray filling and Level Control Mechanism, Trays Dispenser Machine and Auto seeder	
2	Conveyer Belt and support conveyer	
3	Polycarbonate sheet 06mm	
4	Climate control system	
5	Automatic weather station	
6	Temperature and RH sensors	
7	Horticulture PAR lamp	
8	Axial Flow Fan	
9	Cooling pad	
10	200 micron UV poly sheet	
11	40 mesh anti thrips net	
12	Monofilament shade net	
13	Aluminet	
14	Water applicator (Boom irrigation)	
15	4-way foggers	
16	Ultra finefoggers	
17	Pop up fans	
18	Horizontal Air circulation Fan(HAF)	
19	Drip laterals, emitters, filtration unit	
20	PVC pipes for irrigation	
21	PVC pipes for RWH	
22	Soilless cultivation troughs, drainage gutters	
23	Auto Fertigation unit	
24	Generator 63KVA	
25	Transformer 100 KVA	
26	Greenhouse electrical wiring materials	
27	UG cable brand and specifications	

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

The Chief Administrative Officer,
ICAR-IIHR, Hesaraghatta, Bengaluru-560089

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: Supply and Erection of COE on Protected cultivation of Horticultural Crops on turn key basis

Dear Sir,

1. I / We have downloaded the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: <https://eprocure.gov.in/eprocure/appas> per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. 01 to 53 (including all documents like annexure(s), schedule(s), etc ..), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your Institute at above website too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract , without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

7. I/We agree to supply the above goods and allied services. We confirm that the same will meet the description, specification and other technical details as required in the tender enquiry.
8. I/We conform that we agree to all other terms and conditions of your tender enquiry including the terms of delivery, period of delivery and warranty provision.
9. I/We have furnished all the information, as required in the tender enquiry and attached the relevant documents. (In case a tenderer desires to put some additional/modified stipulations, terms and conditions etc. the same may be clearly indicated for consideration. IIHR may / may not consider the same).
10. I/ We confirm that our offer will remain valid for acceptance for 180days after the date of opening of tenders.
11. I am to state that the information provided in the tender form is true and correct.
12. I/We have carefully read all the general and specific terms and conditions of the tender and I solemnly declare that the same are acceptable to me/us and binding on me/us.
13. I/we agree to provide performance warranty of 1 year for all the equipment and facility. Also we agree to provide three years warranty for GI structure against fabrication defect/material quality.
14. I/We may be punished as per law for any wrong information, misleading facts provided in the tender form besides rejection of my/our tender.
15. In case of any dispute, the Jurisdiction will be Bengaluru only.

Yours Faithfully,

Place:

Signature of Bidder with seal & Stamp

Date:

Name of Bidder :

Capacity in which signed :

Full address of the Bidder :
(Attach Identity card Xerox)

Phone No. :

Mobile No. :

Checklist for BID Submission

(This is only indicative check list and please refer the respective sections for detailed requirements and add to the checklist if necessary)

Sl. No.	Intervention/Component	Put Tick or Cross	Page Numbers
1	EMD through DD for Rs.14.3 lakhs or Exemption proof		
2	GST certificate		
3	Firm's company Registration certificate		
4	TIN number copy		
5	Pan card copy		
6	Income tax returns for FY 2014-15, 2015-16, 2016-17, or 2015-16, 2016-17, 2017-18		
7	Purchase order (P.O.) copies to show the experience of firm for the past 7 years (for eligibility condition 1 & score sheet sl.No 1)		
8	P.O. proof (one, two or three) for similar work of value 5.74, 3.59 or 2.86 crores, respectively, (for eligibility condition 2 score sheet sl.No2)		
9	Proof of turn over of Rs.10crores/annum by profit and loss account statement, balance sheet and certificate from Chartered Accountant (for eligible condition 3 and score sheet sl.no 3)		
10	ISO certificates		
11	Soundness of the firm in executing the work as evidenced by user certificates/testimonials by the government agency where similar project is executed (6nos).		
12	Own COE Facility Centre on protected cultivation. Proof, address and contact details		
13	Detailed technical CAD drawings hard copy		
14	Detailed technical CAD drawings soft copy		
15	After sales service center in the same field (proof, contact details and address)		
16	Videos of the completed projects in past 5 years in a CD/USB drive (each video not more than 10 minutes) (8 projects)		
17	Proof of employment & proof of qualification to be given (4 HR persons)		
18	Client list as per proforma in Annexure III		
19	Brand/Make/Model detail list as per proforma IV		
20	Tender acceptance letter as per Proforma V		
21	Check list of document enclosed as per Proforma VI		
22	Financial bid as per Proforma VII in a separate sealed labeled envelope		
23	Abstract of Financial bid as per Proforma VIII in Financial bid envelope		
24	Bank account details for payment		
25	Any others as specified in the general bid document		
26	Any other extra documents/catalogues		

Seal and Signature of Firm's representative.