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

We have a requirement of the goods and services as indicated below. You are invited to submit your most competitive quotation / Tender for the same. All the relevant details are given below.

NOTICE INVITING TENDER (TWO BID SYSTEM) THROUGH E-PROCUREMENT TOWARDS - Construction of polyhouse at Nandahandi block of Nabarangpur district of Odisha, at CHES, Bhubaneswar.

The tender document contains the following:-

- Annexure-I - “Specification and other details”
- Annexure II – “Instructions for Online Bid Submission”
- Annexure III – “Tender Acceptance Letter”

Tender Enquiry No. :F.No.5-125/2019-20/SP/ Construction of polyhouse /	
Date and Time for Issue/Publishing	21.01.2020 at 12:00 PM
Document Download Date and Time	21.01.2020 at 12:00 PM
Bid Submission start Date and Time	21.01.2020 at 12:00 PM
Bid Submission End Date and Time	10.02.2020 at 03.00 PM
Date and Time for Opening of Bids	12.02.2020 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. Bidders should enroll / register in the e-procurement module of Central Public Procurement Portal through the website : www.eprocure.gov.in for participating in the bidding process. Bidders should also possess a valid DSC for online submission of bids.
- ii. **Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.**
- iii. The Director, IIHR reserves the right to accept / reject any or all the tenders in part /full without assigning any reason thereof.
- iv. IIHR will not be responsible for any delay in enrollment / registration as bidder or submitting /uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website www.eprocure.gov.in and enroll their Digital Signature Certificate and upload their quotation well in advance.
- v. Any change / corrigendum/ extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website for updates.
- vi. The tender form/bidder documents may be downloaded from the website: <https://eprocure.gov.in/eprocure/app>. Online submission of Bids through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. Manual bids shall not be accepted.

- vii. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
- viii. 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 Ministry reserves the right to accept or reject any or all the tenders.

The Firms are required to furnish / upload copies of the following documents and declaration duly accepted & signed Technical Cover:-

1. Scanned copy of Firm's Registration under Shops and Establishment Act/ copy of the documents Registered with KPWD/CPWD/MES/Railways/PWD etc.
2. PAN Card copy
3. GST Number with Registration Certificate
4. Bank details of the firm.
5. Scanned copy of similar contracts in Government Departments/Universities/Institutes/Undertakings/PSU's
6. Income Tax for the last three years (2015-16, 16-17, 17-18 or 2016-17, 17-18, 18-19)
7. Profit and loss account & Balance Sheet which are audited & duly certified by the Chartered Accountant for the last three years.
8. Turnover of the business should be Rs.24.00 Lakhs per year, to be certified by Chartered Accountant as per Balance Sheets used for ITR filing.
9. Experience of having successfully completed similar work during last 5 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - a) Three similar completed works costing not less than the amount i.e. Rs.3,20,000 /- (or)
 - b) Two similar completed works costing not less than the amount i.e. Rs.4,00,000/- (or)
 - c) One similar completed work costing not less than the amount cost i.e. Rs.6,40,000/-
(Similar work concepts means Construction of Natural ventilated structure with Multi span structure, Pre-fabricated GI gutters in multiple, Aerodynamic shape, Integrated with Micro Irrigation system etc.)
10. MSME exemption certificate / Earnest Money Deposit is compulsory.
11. Tender Acceptance letter is mandatory.

Declaration as follows:

- a) 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.
- b) 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.
- c) We have furnished all the information, as required in the tender enquiry and attached the relevant documents.
- d) In case a tenderer desires to put some additional/modified stipulations, terms and conditions etc. the same may be clearly indicated.
- e) We confirm that our offer will remain valid for acceptance for 180 days after the date of opening of tenders.

Sd/-
CHIEF ADMINISTRATIVE OFFICER



ಭಾರತೀಯ ತೋಟಗಾರಿಕೆ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ
भारतीय बागवानी अनुसंधान संस्थान
INDIAN INSTITUTE OF HORTICULTURAL RESEARCH (ICAR)
ಹೆಸರಗಟ್ಟು ಕೆರೆ ಅಂಚೆ, ಬೆಂಗಳೂರು-೫೬೦೦೮೯.
ಹೆಸರಗಟ್ಟು ಲೇಕ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು - 560 089
HESSARGHATTA LAKE POST, BANGALORE - 560 089



F.No.5-125/2019-20/SP / Establishment of Naturally Ventilated Polyhouse /

Dt:21.01.2020

Sir,

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

Sl. No.	BRIEF DESCRIPTION OF THE WORKS	EMD
1.	Construction of polyhouse at Nandahandi block of Nabarangpur district of Odisha, at CHES, Bhubaneswar. (Specification : Enclosed Annexure –I)	Rs.16,000/-

To assist you in the preparation of your Quotation, we are furnishing the following details:-

1. The Contract shall be for the whole works as described in the specifications, Corrections if any shall be made by crossing out initialing, dating and reviewing.
2. **The CGST, SGST & IGST Rates and amount should be shown separately in the quotation along with GST Number otherwise quotation will be rejected.**
3. The Rates quoted by the Bidder shall be valid at least for a period of not less than **180 Days**.
4. The rates quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to escalation / adjustment on any account.
5. The bidder is advised to visit the site of works at his own expenses and obtain all information that may be necessary for preparing the quotation. Submission of quotation is acceptance by the tenderer that he has inspected the site or he is aware of all the conditions.
6. Each Bidder shall submit only one Quotation.
7. Notwithstanding the above, the IIHR reserves the right to accept or reject any Quotations and to cancel the bidding process and reject all Quotations at any time prior to the award of contract.
8. No advance or part payment will be given. Payment will be arranged only after satisfactory completions of the work duly certified by the works unit of IIHR.
9. Quotations should be submitted along-with Earnest Money Deposit (Interest Free) of **Rs.16,000/-** 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 Contractor/Agency withdraws or amend, impairs, or derogates the Quotation, in any respect within the period of validity of this Quotation. **(If any firm/Contractor has EMD exemption, they must attach copy of exemption certificate with quotation).**

10. EMD of unsuccessful agency/contractor (except L1, L2 & L3) remitted in the form of DD will be returned to the concerned contractor without any interest thereon, as early as possible.
11. The EMD amount is to be deposited in the tender box with superscription before due date.
12. The Successful Bidder shall have to deliver the performance security either by a Bank Guarantee or a Bank Draft in favour of the Director IIHR, for an amount equivalent of 10% of the Contract price. The Performance Security shall be valid till the expiry of the period/ maintenance of work.
13. Income tax will be deducted from the total bill of the executing agency/contractor as per govt. Rate.
14. For water & Electricity supplied by this institute 2% of the cost shall be recovered.
15. Penalty will be imposed at 0.50% per week maximum to 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.
16. **The bill is to be submitted in triplicate in GST prescribed Proforma with details of CGST,SGST and IGST rates, amount and GST number.**

Important Instructions:-

All are requested to furnish the required important documents, failing which the bid will be rejected without any notice.

You are requested to provide your offer latest by **10.02.2020 upto 3.00 PM** through CPPP only.

Encl: As above.

Sd/-

CHIEF ADMINISTRATIVE OFFICER

ANNEXURE – I

Construction of polyhouse at Nandahandi block of Nabarangpur district of Odisha under RKVY-S&T project at CHES, Bhubaneswar.

<u>Name of the item</u>	<u>Quantity</u>
Establishment of Naturally Ventilated Polyhouse (16x32m) with irrigation facility near <i>SORAGUDA</i> village, Nandahandi block, Nabarangpur district, Odisha state as per enclosed specifications	<u>01 (one)</u>

Encl: Brief technical specifications

Brief technical specifications:

Naturally Ventilated Polyhouse with Total galvanized Tubular and nut bolted structure, with concrete anchoring foundations inclusive of all civil works and complete installation and operationalisation at Nabarangpur, Odisha (**Near SORAGUDA village, Nandahandi block, Nabarangpur district, Odisha state**)

1. Natural ventilated structure with 10% top ventilation.
2. Multi span structure with 8.0 mtr. Span x 4.0 mtr. Grid. Length should be in the multiple of 8.0 mtr span and the width in the multiple of 4.0 mtr grid only. Corridor along all periphery should be 2.0 mtr wide.
3. 1.8 mm thick Pre-fabricated GI gutters in multiple of 4.0 mtr length.
4. Aerodynamic shape along all peripheries to withstand against heavy wind velocity.
5. Structure should be able to resist wind velocity up to 90 to 100 km/hr.
6. Integrated with Micro Irrigation system complete with one Pump (of required capacity) mains, laterals, sub laterals, overhead sprinklers and foggers as per standard.

Poly House Specifications

Structure	Hot Dip Galvanized Tubular Structure
Grid Size	8 M X 4 M
Gutter Height	4 M
Apron Height	1.0 M on all four sides with GI fixing arrangement. Bottom of the poly film to be embedded in Soil.
Gutter Slope	1.2 % to be provided in civil in structural work
Curtain	Manual operable side with chain puller mechanism curtains up to 4 M on all four sides. Insect net 40 mesh below the curtain with proper fixing mechanism.
Ridge Height	7.0 M from ground formation level with suitably overlapping open vent of 1.2 M to maintain the ventilation inside poly house.
Columns	76 MM OD 2.0 MM thick Hot Dip G.I. Pipe
Trusses	Bottom 60 mm OD 2 mm thick GI pipe Top chord (Arches) 42 mm OD 2 mm thick, Bracing 33 mm OD 2 mm thick, Structural members to be fitted in plated nuts, bolts and without welding.
Purlin	Top purling 48 mm OD x 2 mm thick and Bottom purling 42 mm OD X 2 mm thick Hot Dip Galvanized

Foundation	76/60 mm OD x 2.9 MM thick, Depth 600 to 700 mm of suitably altered depending upon ground straight level so as to ensure safety and stability of the structure even under extreme wind conditions. Columns are fitted over ground “Inserts”. PCC of 1:2:4 of 40 mm & filling the pit with 1:2:4 concrete hands mixed with appropriate grade cement.
Gutter	4.5 mtr Gutter height from ground formation level; 2.0 mm thick, GI sheet with 500 mm perimeter trapezoidal section, so as to avoid spill over the gutter under maximum rain conditions.
Poly Fixing	Aluminum locking profiles with PVC Coated wire spring with smooth finish for single and double poly fixing.
Gables	To be fixed with two ways Aluminum poly lock for locking two poly sheets along with curtains top.
Door	PC sheet door, Sliding type.
Aerodynamic Shape	With a view to reduce the impact of wind and consequent damage to poly house structure; Poly house will be Aerodynamic along all four sides with tapered balcony.
Plastic	Drip Lock Cool /equivalent
Insect Net	IMPORTED NET

Indicative G. I. pipe specification:

Sl No	Component Description	Outer Dia. (mm)	Wall Thickness (mm)
1	Column – Big & Small	76.1	2
2	Foundation, pedestal	60.3	2.9
3	Corridor – All side, Small Bottom Chord, Big Bottom Chord	60.3	2
4	First top purlin, Second top purlin, End purlin	48.3	2
5	Arc – All, Horizontal member, Curtain Runner	42.4	2
6	Knee Bracing & Small Inclined; Big inclined strut; Top chord runner in last bay; Cross Bracing	33.7	2
7	Curtain Pipe, Curtain Handle	26.9	2
8	Flap Control, Vent stay	21.3	2

11. Clamps: 76 ID, 60 ID, 43 ID full / half rounded clamps made from Galvanized iron strip, 2 mm thick are to be used to assemble the greenhouse structure.

12. Fastener: M6, M8 & M10 nut-bolts are used in various lengths to assemble the structure.

13. Polyethylene: 200 micron, UV stabilized, Diffused, Multilayer Polyethylene Polywhite-3D, AGRIPOLYANE make import from France or equivalent.
14. Polyethylene fixing: Aluminum profiles to be used to fix polyethylene along with 2.3 mm thick zigzag spring insert.
15. Shade net: 50 % Black shade net below gutter level with manual collapsible mechanism.
16. Shade net: 30 % Black shade net below side roll up curtains on all four sides.
17. Apron: UV stabilized, Diffused & Both side laminated woven film will be used at all four sides. The bottom of apron will be embedded in the ground. PIC PLAST make import from Israel or equivalent. Gutter Slope 1.2 % to be provided in civil in structural work
18. Entrance Room / Door: Double door entry System; Entrance room of size 4m x 3m x 2.5m along with 2 mtr x 2 mtr FRP sliding door.
19. Funnel: Gutter funnels should be provided to each gutter for rain water collection along with PVC pipes from funnel up to the ground.
20. Flooring of the structure 5 -10 inches layer of gravel covered with mulching net/ shade-net, with sub-surface drainage system.
21. Integrated Micro Irrigation system complete with Pump (of required capacity) mains, laterals, sub laterals, overhead sprinklers and foggers

The Structural designs should be in accordance with the Israel Steel structural standard 1225 or equivalent; Israel structural loads standards 414/1982 and 412/1992 hot dip galvanized steel. The structural designs should be in principle in accordance with NHM/NHB – India

Sd/-

CHIEF ADMINISTRATIVE OFFICER

INSTRUCTIONS FOR ONLINE BID SUBMISSION:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<https://eprocure.gov.in/eprocure/app>

REGISTRATION:

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS:

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders“ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS:

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 4) The serve time (which is displayed on the bidders“ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 5) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by

unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.

- 6) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 7) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 8) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS:

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

For any technical related queries please call the Helpdesk, Mobile Number -

+91 8826246593 Tel: The 24 x 7 Help Desk Number 0120-4200462, 0120-4001002.

E-mail: support-eproc[at]nic[dot]in

Note: Bidders are requested to kindly mention the URL of the Portal and Tender Id in the subject while emailing any issue along with the Contact details.

Sd/-

CHIEF ADMINISTRATIVE OFFICER

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

To,

Date:

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as 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. _____ to _____ (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 department/ organisation 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 and also declare as per (a) to (e) on page no.2.

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/ organization 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.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

