

अनुरध एवं आभियात्रेको इकाई, निदेशालय  
MAINTENANCE & ENGINEERING UNIT, DIRECTORATE  
भाकअनुप- भारतीय कृषे अनुसंधान सस्थान  
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE  
नई दिल्ली -१२.  
NEW DELHI-12.

No. 17-200/17-18/ME Unit

Dated : 07-02-2019

ई- नोवेद / e- Tender Notice

Online Quotation are hereby invited on behalf of the Director, IARI from the Contractors Registered with CPWD, MES, Railways, MCD, PWD or other Central/State Govt./Semi Govt. or **Specialized agencies**. The contractor must have valid IT-PAN/VAT/TIN and GST registration number and having experience of two similar nature of works in last three years for the work **Construction of Net House for the Division of Genetics at IARI, New Delhi-12.**

**EMD of Rs. 40,000/ (Rupees Forty Thousand Only) and Tender fee of Rs. 1000/- (Rs. One Thousand only)** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of “**Director, IARI payable at New Delhi.**” The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of online bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data entered during the online bid submission time otherwise the uploaded bid will be rejected.

The Online Tender Documents can also be viewed on the IARI Website [www.iari.res.in](http://www.iari.res.in). & [www.eprocure.gov.in](http://www.eprocure.gov.in).

**CRITICAL DATE:**

Bid Submission End Date : 02.03.2019 (upto 2.30 pm)  
Bid Opening Date (Technical) : 04.03.2019 (upto 3.00 pm)

**Asstt. Admn. Officer (Works)**

No. 17-200/17-18/ME Unit

Name of the work: Construction of Net House for the Division of Genetics at IARI, New Delhi-12.

**ESTIMATE/SCHEDULE OF WORK**

S.No.	Particular	Qty	Unit	Rate	Amount
	<b>Part " A" ( Civil Work)</b>				
1.	P/f G. I. Pipes IS239 Class B anti corrosive, humidity resistant pipe with IS4736-1938/ IS065-1973 zinc coating, in built-up tubular trusses i/c cutting, hosting fixing in position, applying a coat of primer finishing with aluminum paint, welded and bolted i/c special shaped washers/ beading etc.	6375.00	Kg		
2.	P/f 28 x 28 wire mesh of stainless steel (Grade 304) with necessary aluminum pressure plate, silicone solvent stainless steel screws, washers with other accessories, complete.	760.00	Sqm		
3.	P/f 6 mm thick multi walled UV stabilized polycarbonate sheet with aluminum, pressure plate, silicon sealant and other sealing between the joints to make it white fly proof and leak proof. technical specifications : Grade : UV stabilized both sides sheet structure : 8/3 Light Transmission : 80 % approx U value :m2 K Approx weight : 1300 GSM Fixing : Aluminum strip Aluminum profile :2 " inch Manufactures Warrantee : 10 years	100.00	Sqm		
4.	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :				
	All kinds of soil	450.00	Sqm		
5.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	All kinds of soil.	50.00	Cum		
6.	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
	All kinds of soil	10	Each		
7.	Supplying , stacking and filling with good earth at site including carriage (earth measured in stacks will be reduced by 20% for payment).	112.00	cum		
8.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	18.00	cum		

9.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	12.00	cum		
10.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	24.00	cum		
11.	12 mm cement plaster of mix :				
	1:4 (1 cement: 4 coarse sand)	110.00	sqm		
12.	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				
	New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	85.00	sqm		
13.	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
	40 mm thick with 20 mm nominal size stone aggregate	110.00	sqm		
14.	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	60.00	sqm		
15.	P/f of Security Accesses System at the main entry door equipped with punch card (30-35 cards) lockable facility system of reputed make to ensure safety of Net House	01	Set		
16.	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. <b>External work</b>				
	15 mm dia nominal bore	24.00	metre		
	20 mm dia nominal bore	30.00	metre		
17.	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	15 mm nominal bore	02	each		
18.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. per	1000.00	litres		
19.	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	300.00	kg		
20.	P/f Control panel for digital timer for irrigation system	01	each		
21.	Drip /Sprinkler system a. Sprinkler irrigation system – By providing micro sprinkler system with 100 sprinkler nozzles of discharge capacity 70 lakh	01	Nos		

	<p>hanging type with 16 mm dia ID LDP E Black lateral pipes.</p> <p>b. Drip irrigation system – By laying 16 mm LDP E Black lateral pipes with nozzles of discharge capacity 2/4 UPH to from a grib of 0.80 m x 0.50 m with digital cyclic timer.</p> <p>c. Head Unit – common for both drip and sprinkler system with 1.5 hp pump, Disc online fitter, PVC tank 1000 liters capacity, PVC pipe and fittings, dial Type pressure meter 10 bar ( Glycerin) complete as per the instructions of Engineer in –charge.</p>				
22.	P/f 600 mm (24") dia heavy duty exhaust fan ISI marked with back cover and louvers on side wall as per the instructions	05	each		
	<b>Part " B" ( Electrical Work)</b>				
23.	Point wiring in PVC conduit with modular type switch wiring for light point/ fan point / exhaust fan point/ cell point with 1:5 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with modular switch, modular switch, modular plate, suitable 01 box and earthing the point with 1.5 sq. mm FR PVC insulated copper conductor single core cable etc. as required. (A) Group C	16.00	Point		
24.	Power plug wiring in PVC conduit (2 x 4 sq. mm ) wiring for light / power plug wit 2 x 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required	30.00	Meter		
25.	Power plug wiring in PVC conduit (4 x 4 sq. mm ) wiring for light / power plug wit 4 x 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed PVC conduit along with 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required	30.00	Meter		
26.	Wiring for circuit / sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor single core cable in surface / recessed PVC conduit as required				
A	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire	20.00	Meter		
B	2 x 6 sq. mm + 1 x 6 sq. mm earth wire	20.00	Meter		
C	4 x 2.5 sq. mm + 2 x 2.5 sq. mm earth wire	15.00	Meter		
27.	Supplying and fixing of following sizes of PVC conduit along with accessories in surface / recess i/c cutting the well and making good the same in case of recessed conduit as required. 32 mm	30.00	Meter		
28.	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, i/c P/ f of 6 pit) 15/16 & 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.	16.00	Meter		
29.	Supplying and fixing 3 pin, 5 amp. ceiling rose on the existing junction box wooden block i/c connection etc. as required.	04	Each		
30.	Supplying and fixing call bell buzzer suitable for	01	Each		

	D.C. / A.C. single phase, 230 volts. complete as required.				
31.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, natural bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted i/c earthing etc. as required. ( But without MCB/ RCCB / isolator)				
	4 way, single door	02	Each		
32.	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'B' series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	03	Each		
33.	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	Single Pole	03	Each		
b	Single Pole and neutral	01	Each		
34.	Supplying and fixing 20 amps, 240 Volts, SPN industrial type, socket outlet with 2 pole and earth, metal enclosed plug top along with 20 amps 'C' series, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	03	Each		
35.	P/f Normal light 65 W Spiral CFL with weather proof fittings	08	Each		
				<b>Total=</b>	

**Subject to the following terms & conditions:-**

1. The work shall be executed as per CPWD specifications.
2. Income Tax, work Tax & work cess as per norms shall be recovered from the bill.
3. 1% water and electrical charges will be recovered from the bill if supplied by the Department.
4. The work shall start within 7 days from the date of award and complete within two months failing which a penalty @ 1% per day delay will be imposed on the bill amount maximum upto 10%.
5. GST will be paid extra as per norms of the Ministry of Finance.
6. All the material, labours, T & P etc. required will be arranged by the firms itself.
7. The agency shall deposit security @ 5% of the sanctioned amount including EMD.
8. Any other item to be required at site to complete the work be executed as per lowest quoted rates on DSR-2016.
9. The rates quoted shall remain valid for 180 days from the date of opening of quotations/tenders.
10. A running payment may be made on the successful completion of work for half or more amount of work.
11. The Director, IARI has the right to reject any or all the quotations/tenders without assigning any reason.

**Name & Signature of the Agency:-.....**

**(Er.AMIT MITTAL)**  
Ex. Er., In-charge (Works)

## **Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Procurement Portal**

1. Bidder should do Online Enrolment in this Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities such as eMudhraCA/GNFC/IDRBT/MtnlTrustline/SafeScript/TCS.
2. Bidder then logs into the portal giving user id / password chosen during enrolment.
3. The e-token that is registered should be used by the bidder and should not be misused by others.
4. DSC once mapped to an account cannot be remapped to any other account. It can only be Inactivated.
5. The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
6. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
7. The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.
8. If there are any clarifications, this may be obtained online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account of the corrigendum published before submitting the bids online.
9. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together
10. Bidder should arrange for the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender
11. The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids.
12. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
13. There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.
14. It is important to note that, the bidder has to Click on the Freeze Bid Button, to ensure that he/she completes the Bid Submission Process. Bids Which are not Frozen are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.
15. In case of Offline payments, the details of the Earnest Money Deposit(EMD) document submitted physically to the Department and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected.
16. The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
17. The bidder may submit the bid documents online mode only, through this portal. Offline documents will not be handled through this system.
18. At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed using the e-token of the bidder and then submitted.

19. After the bid submission, the bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
20. Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.
21. The bidder should see that the bid documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected.
22. The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.
23. All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
24. During transmission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer(SSL) with 256 bit encryption technology. Data encryption of sensitive fields is also done.
25. The bidders are requested to submit the bids through online eProcurement system to the TIA well before the bid submission end date and time (as per Server System Clock).

**List of Documents to be scanned and uploaded within the period of bid submission & Special Conditions:**

1. Quotation should be submitted in two bid system i.e. technical bid and price bid. Price bid will be opened of those firms who had been technically qualified.
2. The firm should have minimum experience of 5 years for construction of Screen House/ hi-Tech. Green House/ Polycarbonate house- (Documentary Evidence should be enclosed).
3. Turnover of the firm should be minimum rupees 2 crore annually per year for the last 3 years ( 2015-16, 2016-17, 2017-18) (Proof should be enclosed).
4. The firm should have executed at least two orders of Rs. 16 lakh each or three orders of Rs. 12 Lakh each in the last three years for the construction of screen House/Hi-Tech Green House/ Polycarbonate House.
5. The firm Must have ISO certificate.
6. TIN/PAN/Income tax-latest return to be attached
7. Sample must be submitted before technical bid opening date.
8. Certificate of registration of GST, Sales Tax/VAT & acknowledgement of up to date GST filed return
9. Tender fee & Ernest Money Deposit



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NEW DELHI-12.

No. 08-40/18-19/ME Unit

Dated : ...../...../2019

**Prescribed format of receipt of deposition of original EMD/Tender Fee along with NIT:-**

Receipt of deposition of original EMD (Receipt No...../date.....)

1. Name of work.....
2. NIT No.....
3. Estimated Cost.....
4. Amount of Earnest money deposit.....
5. Last date of submission of bid.....
6. Agency Name .....
7. EMD No. & Date .....
8. EMD Amount & Last Date .....
9. TENDER Cost .....
10. Fee No. & Date .....

(Tender Cell, ME Unit, IARI within the Period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated.) The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE/AE in the NIQ/NIT.)

**This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.**

**Tender Cell,**

**ME Unit**

**CERTIFICATE TO BE SIGNED BY THE TENDERER**

**CERTIFICATE**

**It is certified that I have read and understood and will comply with all instructions contained in Terms & conditions of this tender documents. All pages submitted with this tender documents from page \_\_\_\_\_ to \_\_\_\_\_ have been filled properly and signed with seal of the firm/company.**

Signature of tenderer: - \_\_\_\_\_

Name in block letters: - \_\_\_\_\_

Name of firm: \_\_\_\_\_

Full address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- i) Telephone No. \_\_\_\_\_
- ii) Mobile No. \_\_\_\_\_
- iii) Fax No. \_\_\_\_\_
- iv) Email id \_\_\_\_\_
- v) Website \_\_\_\_\_

**Signature of Tenderer with office seal**