



अनुरक्षण एवं अभियांत्रिकी इकाई  
MAINTENANCE & ENGINEERING UNIT  
भाकृअनुप-भारतीय कृषि अनुसंधान संस्थान  
ICAR-INDIAN AGRICULTURAL RESEARCH INSTITUTE  
नई दिल्ली-१२  
NEW DELHI-12.



No. 29-17/20-21/ME Unit

Dated : 10-11-2020

**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. The contractor must have valid PAN and GST registration number and having experience of two similar nature of works in last three years for the work mentioned below:

Name of work & location	Estimated cost (₹)	Earnest Money (₹)	Last date & time of bid submission	Date & time of bid opening
<b>Repair of glasshouse in the division of Genetics at IARI Pusa, New Delhi-12.</b>	<b>₹ 12,25,622.00</b>	<b>₹ 24,500.00</b>	<b>Upto 14:30 hours 07.12.2020</b>	<b>08.12.2020 at 15:00 hours</b>

**EMD of ₹ 5,000/- (Rupees Five 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 enter during the online bid submission time otherwise the uploaded bid will be rejected.

The Online Tender Documents can also be view from the IARI Website [www.iari.res.in](http://www.iari.res.in). & [www.eprocure.gov.in](http://www.eprocure.gov.in). **Demand Draft/Pay Order in favour of Director IARI for ₹500/- (Rupees Five Hundred Only)** must 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/ physically sent, should tally with the details available in the scan copy and the data enter during the online bid submission time otherwise the uploaded bid will be rejected.

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

**Repair of glasshouse in the division of Genetics at IARI Pusa, New Delhi-12.**

S.No	Particular	Qty.	Unit	Rate	Amount
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	125.00	sqm	39.00	4875
2	Dismantling polycarbonate roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:	230.00	sqm	56.90	13087
3	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	50.00	kg	4.15	208
4	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 20cm 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	45.00	each	79.30	3569
5	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 (zone-III) : 4 graded stone aggregate 20 mm nominal size)	3.00	cum	6788.60	20366
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	2.00	cum	7809.25	15619
7	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level:				
	Cement mortar 1:3 (1 cement :3 coarse sand)	20.00	sqm	956.60	19132
8	15 mm cement plaster on rough side of single or half brick wall of mix:				
	1:4 (1 cement: 4 coarse sand)	125.00	sqm	318.95	39869
9	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
	4.0 mm thick glass panes	50.00	sqm	900.55	45028
10	Providing & fixing light control glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :				
	5 mm thick glass panes	25.00	sqm	1500.00	37500
11	Renewal of old putty of glass panes (length)	1500.00	metre	42.60	63900
12	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
	G.I. pipes	300.00	kg	158.00	47400

13	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	200.00	kg	131.00	26200
14	Providing & fixing stainless steel(grade 304) 40-mesh to windows, clerestory windows & doors with G.I. Flat 15x3 mm and nuts & bolts complete.	10.00	sqm	900.00	9000
15	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).				
	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	200.00	kg	106.05	21210
16	P/f mulitiwall polycarbonate sheet 10mm thickness of approved brand as desired by the client, the sheet shall be fixed using self drilling /self tapping screws with aluminium/G.I. profiles channels of F/U shape upto any pitch in horizontal/ vertical or curved surfaces and weather proof Neoprene for EPDM rubber gasket to fix the sheet. The open end of the sheet shall be sealed with anodised aluminium channel and with silicon sealent of approved make., including cutting, bending, hoisting in position of any size and shape wherever required, as desired by engineer-in-charge.	230.00	sqm	1580.00	363400
17	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
a)	Ridges plain (500 - 600mm)	24.00	Rm	416.30	9991
b)	Gutter (600 mm over all girth)	48.00	Rm	1041.75	50004
18	P/f evaporative cooling system of 100 mm cellulose pads of coldek make with G.I. tray of 18 gauge with CPVC piping system & rainage of 32mm dia with prefilters (CACBA ISI 25to25 VISCOUS filter for 30 efficiency) with galvanised fastners and aluminium rivets, complete as per speciifcation with 500 liters PVC tank and 1HP monoblock single phase pump of crompton or equivalent make.	4.50	sqm	5000.00	22500
19	Providing & Fixing of Shading Net 50% with Manual Rolling System on Top Side including all accessories, as per the direction of engineer-in-charge.	230.00	sqm	150.00	34500

20	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 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	1000.00	per litre	8.80	8800
21	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
a)	15 mm dia nominal bore	30.00	Rm	244.15	7325
b)	20 mm dia nominal bore	20.00	Rm	283.80	5676
c)	25 mm dia nominal bore	20.00	Rm	364.55	7291
22	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	15 mm dia nominal bore	30.00	Rm	447.60	13428
23	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required.				
	Size 600x450x200 mm	2.00	each	5460.45	10921
24	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design:				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	each	5209.10	10418
25	P/L PVC pipe 4"dia (10kg pressure) including trenching and refilling as per the direction of engineer-in-charge.	20.00	Rm	1000.00	20000
26	P/f PVC nani trap of approved make as per the direction of engineer-in-charge.	10.00	each	400.00	4000
27	P/f S.S. floor jali for the trap of approved quality as per the direction of engineer-in-charge.	10.00	each	250.00	2500
28	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				

a)	For fixed portion				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15	50.00	kg	423.95	21198
b)	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	60.00	kg	513.40	30804
29	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	Pre-laminated particle board with decorative lamination on both sides	11.00	sqm	1046.90	11516
30	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm	11.00	sqm	1296.40	14260
31	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
	With brass cover plate minimum 1.25 mm thickness	12.00	each	2573.05	30877
32	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete	12.00	each	458.55	5503
33	Repair of existing aluminium doors including removing, cutting, hoisting and refixing as per the direction of engineer-in-charge.	5.00	each	2000.00	10000
34	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 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 necessary excavation, levelling &	60.00	sqm	614.05	36843

	dressing & finishing the top smooth.				
35	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
	Area of slab over 0.50 sqm	15.00	sqm	2552.65	38290
36	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete	80.00	sqm	368.00	29440
37	Applying priming coat:				
	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel work	200.00	sqm	50.70	10140
38	Painting with aluminium paint of approved brand and manufacture to give an even shade .( Two or more coats on new work)	200.00	sqm	112.25	22450
	Finishing walls with Acrylic Smooth exterior paint of required shade :				
39	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm	125.00	sqm	164.70	20588
40	Disposal of malba, building rubbish etc. of capacity upto 5cum including loading, unloading, transporting etc., as per the direction of engineer-in-charge.	2.00	trip	3000.00	6000
<b>Total</b>		<b>1225622</b>			

**Subject to be 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 three months failing which a penalty @ 1% per day delay will be imposed on the bill amount maximum upto 10%.**
- 5. All the materials, laboures, T&P etc. required will be arranged by the firms itself.**
- 7. Other item to be required at site to complete the work will be executed as per the lowest quoted rates on DSR-2018.**
- 8. The rates shall remain valid for 90 days from the date of opening of quotations/tenders.**
- 9. A running payment may be made of athe successful completion of work for 1/2nd or more amount of work.**
- 10. The Director, IARI has the right to reject any or all the quotation/tenders without assigning any reason.**

**Percentage rate to be quoted above or below in figure on 'A' above:.....**

**In words:.....**

**I/C(W & CTO)**

**S.T.A.(C)**

## **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 enrolment 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:**

1. Demand draft / Pay order / FDR / Bank Guarantee of any Scheduled Bank against EMD.
2. Receipt of EMD & Tender Fee.
3. Certificate of Registration for GST.
4. Copy of PAN.
5. Enlistment of CPWD, MES, Railways, MCD, PWD or other Central/State Govt./Semi Govt.
6. Experience of two similar nature of works in last three years.

**MAINTENANCE & ENGINEERING UNIT  
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NEW DELHI-12.**

No. - / - /ME Unit

Dated : .....

Prescribed format of receipt of deposition of original EMD/Tender Fee

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

1. Name of work.....  
.....
2. Tender ID .....
3. Estimated Cost.....
4. Amount of Earnest money deposit.....
5. Last date of submission of bid.....
6. Agency Name .....
7. EMD (No. & Date) .....
8. Tender Fee (No. & Date) .....

**Tender Inviting Authority  
ICAR-IARI-ME Unit**

**CERTIFICATE TO BE SIGNED BY THE TENDERER**

*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 document 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 : .....

**Signature of Tenderer with office seal**