

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

No. 165-31/19-20/ME Unit

Dated : 15-10-2019

e-TENDER NOTICE

Online tender 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. 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 mentioned below:

S. No.	Ref. No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, EMD, e-tender processing fee and other Document as specified in the press notice	date & time of opening of bid
1		3	4	5	6	8	9
1.	No. 165-31/19-20/ME Unit	Essential and emergent repair works in type, I,II,III and IV type qtrs. at IARI, New Delhi-12.	Rs. 9,75,379.00	Rs. 20,000.00	Two Month	Upto 14:30 hours on 15.11.19	16.11.19 at 15:00 hours

EMD of Rs. 20,000/ Rupees Twenty 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. & www.eprocure.gov.in. **Demand Draft/Pay Order in favour of Director IARI for Rs. 500/- (Rs. 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)

F.N. 165-31/19-20/MEU

Name of the work: Essential and emergent repair works in type, I,II,III and IV type qtrs. at IARI, New Delhi-12.

ESTIMATE/SCHEDULE OF WORK

S.No	Particular	Qty	Unit	Rate	Amount
1.	Repair of RCC structural member by dismantling loose concrete, treatment of existing reinforcement by 443 gum Naffufill BB2 : 2.2 Kg cement spray per sqm., blinding of 50 x 50 x 4 mm Hard drawn fabric mesh filling the spoil area by 1:3 (1 cement 3 coarse sand) i/c Dr. fixit (LW) mix with mortar @1 kg/50 kg cement & finishing the surface in finishing in finishing as per the direction of Engineer In-charge.	40.00	sqm	1250.00	50000.00
2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	50	sqm	417.80	20890.00
3	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.	220	sqm	39	8580.00
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	200	sqm	1030.30	206060.00
5	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement 5and matching pigments etc., complete.	50	sqm	1088.40	54420.00
6	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	120	sqm	1531.85	183822.00
7	Providing and fixing PVC Door Frame of size	22	m	456.80	10049.60

	50x47 mm with a wall thickness of 5 mm (\pm 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.				
8	PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (\pm 0.2 mm) thick, having styles & rails (except lock rail) of size 95 mmx 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitred cut & joint with the help of PVC solvent cement, self driven self tapping screws & M.S. rectangular pipes bracket of size 190 mm X 100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x 35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge. Decorative finish (wood grained finish)	6.4	sqm	3842.85	24594.24
9	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.Using flats 30x6mm for diagonal braces and central cross piece	2.5	sqm	4278.15	10695.38
10	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of	110	m	108.15	11896.50

	Engineer-in-charge : 15 mm to 40 mm nominal bore				
11	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal outer dia Pipes	90	m	478.15	43033.50
12	INTELLIGENT FIRE ALARM SYSTEM Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.	4	nos	5260.25	21041.00
13	FIRE DETECTION AND ALARM SYSTEM (CONVENTIONAL) Supplying, installation, testing & commissioning of heat detector operating at 54°C/57°C with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection etc. as required.	2	nos	5421.5	10843.00
14	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	90	sqm	196.70	17703.00
15	Putty birla white cement based	80	sqm	115.15	9212.00
16	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	200	sqm	18.25	3650.00

17	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre , of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	120	<i>sqm</i>	87.15	10458.00
18	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade : 13.90.1 Old work (one or more coats)	900	<i>sqm</i>	54.30	48870.00
19	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	80	<i>sqm</i>	97.75	7820.00
20	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade Old work (one or more coats applied @ 0.83 ltr/10 sqm).	400	<i>sqm</i>	66.95	26780.00
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	200	<i>sqm</i>	79.95	15990.00
22	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 200x10 mm	10	<i>nos</i>	60.55	605.50
23	Repair of old door shutters including refixing cutting , welding & change of hings etc complete as per the direction of engineer in-charge.(M.R)	4	<i>nos</i>	500.00	2000.00
24	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	2	<i>nos</i>	297.55	595.10
25	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. Area of slab over 0.50 sqm	15	<i>sqm</i>	4007.65	60114.75
26	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 510x1040 mm bowl depth 250 mm	2	<i>nos</i>	5155.95	10311.90
27	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	3	<i>nos</i>	3087.70	9263.10
28	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	3	<i>nos</i>	1283.05	3849.15
29	Lifting of malba/ rubbish by mechanical truck @300 per truck including loading unloading & stacking	3	<i>no</i>	3000	9000.00

	beyond 20 KM				
30	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.	50	sqm	465.60	23280.00
31	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.	50	sqm	735.65	36782.50
32	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	10	nos	532.00	5320.00
33	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	10	nos	618.80	6188.00
34	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	5	nos	606.25	3031.25
35	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	20	nos	61.25	1225.00
36	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete. 15 mm nominal bore	4	nos	338.70	1354.80
37	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : Sand cast iron S&S as per IS: 3989	4	nos	1512.55	6050.20
				Total	9,75,379.00

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 & electricity 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 week delay will be imposed on the bill amount maximum upto 10%.

5. All the material, laboures, T & P etc. required will be arranged by the firms itself.
6. The agency shall deposit security @ 5% of the sanctioned amount including EMD.
7. Any other item to be required at site to complete the work be executed as per lowest quoted rates. A revised sanction shall be obtained if actual expenditure exceeded the sanctioned value
8. The rates quoted shall remain valid for 180 days from the date of opening of quotations/tenders.
9. A running payment of 1/3rd or more amounts may be released on satisfactory completion of equivalent amount of work.
10. The Director, IARI has the right to reject any or all the quotations/tenders without assigning any reason.

Seal & Signature of the Agency:-.....

**Er. Vikas Kumar
(T-4)**

**(Er.Charan Singh)
Asst. Chief Tech. Officer, ME Unit**

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/SafeScrpT/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 coulmnns, 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 arrage 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 and Tender Fee.
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. agencies.
6. Experience of two similar nature of works in last three years.

Note: Other conditions for composite tenders and any special condition as applicable may also be added and Press Notice may be modified suitably by NIT approving authority.

Executive Engineer, 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.

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 FEE
10. DATE & TIME

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

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