

TENDER DOCUMENT

Name of work: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.

CLIENT: DIRECTOR, NEW DELHI

COST OF TENDER DOCUMENT:- ₹ 500/-



TENDER DOCUMENT

Name of work: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.

Owner: Director, NIPGR New Delhi

Tender Issued to :

Place for submission / opening of tender document: NIPGR Campus,
Aruna Asaf Ali Marg,
New Delhi-110067

Last date & time for sale of tender documents: 29.01.2019 before 1500 hrs.

Date & time of submission of tender documents: 30.01.2019 up to 1500 hrs.

Date & Time of Opening of Tenders: 31.01.2019 at 1500 hrs.

**Consultant Engineer
NIPGR**

TENDER FORM

To

**The Director
NIPGR CAMPUS, New Delhi.**

Dear Sir,

I/We have read and examined the following Tender Documents relating to **"Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.**

- Tender Notice
- General Conditions
- Instructions to Bidders
- General Information
- Memorandum
- Schedule of Quantities
- General Conditions of Contract Agreement
- Special terms & conditions of contract.
- Schedule of Quantity (Not to be filled)
- Instructions for Online Bid Submission
- Terms & Conditions
- Annexure – I, II & III.

I/We hereby offer to execute the work complete in all respects specified in the under written Memorandum within the time specified therein or during the allowed extended time at the rates specified in the bill of Quantities and in accordance, with the specifications, designs, drawings and instructions in writing referred to in the conditions of tender.

(Seal & Signature of Contractor)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH
(Department of Biotechnology, Ministry of Science and Technology, Govt. of India)
Aruna Asaf Ali Marg, New Delhi-110067
Phone: 011-26735161, 26735138 Fax: 011-26741658

TENDER NOTICE

(Tender No.: NIPGR/Engg./6/6(2)/2018-19)

Online tenders (in two bid system) are invited on behalf of the Director, NIPGR, New Delhi from approved and eligible contractors of CPWD and those of appropriate class of contractors enlisted in the Department of Telecommunication, MES & Railways, Autonomous Bodies, State / Central Govt. Undertaking & reputed organizations for the following work:

Name of work: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.

Sl. No.	Estimated Cost (In ₹)	EMD (In ₹)	Time for Completion	Last date & time for sale of tender documents	Date & Time of submission of tender documents	Date & Time of Opening of Tenders
1.	2.	3.	4.	5.		6.
1.	₹ 5,20,000.00	₹ 10,400.00	30 days	29.01.2019 1500 Hrs.	30.01.2019 1500 hrs.	31.01.2019 1500 Hrs.

Tender document can be obtained up to 1500 Hrs. on all working days from NIPGR office on payment of ₹ 500.00 (₹ Five hundred only) in cash (Non-refundable) towards the cost of tender from 09.01.2019 to 30.01.2019 up to 1500 hrs. **Tender documents can also be downloaded on line free of cost from our website www.nipgr.ac.in and Govt. CPP Portal <https://eprocure.gov.in/cppp/>**

The earnest money shall be in the form of Demand Draft of a Scheduled Bank issued in favour of the **Director, NIPGR, New Delhi** so as to deposit in NIPGR office latest by 30.01.2019 at 1500 hrs.

Tenderers registered with M.S.M.E. & N.S.I.C. in the above-mentioned service / activity are exempted from submission of E.M.D.

The bids will be accepted in respect of those contractors having successfully completed at least three similar works of each value not less than ₹ 2.08 Lakhs **OR** two similar works of each value not less than ₹ 2.60 Lakhs **OR** one similar work of value not less than ₹ 4.16 Lakhs during the last three years ending 31st Dec. 2018 and having annual financial turnover of ₹ 5.20 lakhs during the last three years (2015-16, 2016-17 & 2017-18) ending Mar-2018 duly certified by the Statutory Auditors. Similar works means "Electrification works of buildings & facilities" in Government organizations, Govt. Autonomous organizations, PSUs and reputed organizations.

Intending tenderers must enclose self-attested copies of Completion Certificates and work orders of having completed the work satisfactorily issued by an appropriate competent authority.

The Director, NIPGR reserves the right to accept or reject all or any of the tender without assigning any reasons thereof.

Consultant Engineer
NIPGR

GENERAL CONDITIONS

1. Online tenders are hereby invited from qualified contractors for the work of: **Name of Work: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.**
2. The tender document consists of Tender form, Notice inviting tender, Instructions to bidders, General Information, General Conditions of contract Agreement, technical specification and Schedule /Bill of quantities etc. which can be had at a cost of ₹ 500.00 (₹ Five hundred only) in cash from 09.01.2019 to 30.01.2019 from the NIPGR office, Aruna Asaf Ali Marg, New Delhi. **Tender documents can also be downloaded from our website www.nipgr.ac.in free of cost.** The tender document is obligatory on the part of the tenderers & bid in no other form will be accepted.
3. The time allowed for the completion of work is **30 Days** to be reckoned from the 10th day after the date of written order to commence the work.
4. Every tender shall submit the earnest money for ₹ 10,400.00 (₹ Ten thousand four hundred only) in the form of demand draft drawn in favour of the Director, NIPGR payable at New Delhi. Any tender not submitted with such earnest money will be rejected straight away.
5. The contractor will submit his tender after examining the tender documents, scope of work, specifications, clauses, additional terms of contract agreement, special terms & conditions, bill/Schedule of quantities, instructions to bidders, general information, and instruction for on-line bid, etc.
6. The offer shall remain valid for 90 days from the date of opening of Tender. The value of tender can be increased or decreased and any item can be added, deleted, withdrawn or substituted without any notice as per the requirements and without assigning any reason.
7. If a tenderer whose tender is accepted fails to undertake the work as per terms of the contract within 10 days to be reckoned from the date of issue of work order, the earnest Money deposited will be forfeited.
8. NIPGR does not bind itself to accept the lowest or any tender and reserves the right to reject any or all tenders without assigning any reason as well as for the transportation of samples.
9. NIPGR will not pay any expense, whatsoever incurred by tenderer for the preparation and submission of tenders as well as for the transportation of samples.
10. This notice inviting tender, will form part of the contract agreement to be executed by the successful tenderer.
11. The successful tenderer shall have to sign the contract agreement within 15 days of the allotment of work.
12. All the correspondence on the tender shall be addressed to the Director, NIPGR.
13. The uploaded documents / certificates shall be verified with originals after opening of Technical Bid.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

INSTRUCTIONS TO BIDDERS

1. GENERAL INSTRUCTIONS:

The works referred here-in shall cover the entire scope of the proposal which includes supplying and installation of material including the successful completion and the tests which the desires to get carried out. The "Owner" where appearing in these documents shall mean Director, NIPGR.

2. TENDERERS TO STUDY ENTIRE TENDER DOCUMENT CAREFULLY:

Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted himself of the nature, scope and specifications of the works to be followed.

3. TENDERER TO SUBMIT THE ENTIRE TENDER DOCUMENT ON-LINE.

The tenderer shall submit all documents issued to him downloaded for the purpose of this tender after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.

4. INSTRUCTION FOR FILLING THE TENDER.

Tenders shall be submitted ON-LINE, it shall be signed by one who has been authorized by the agency only. Copy of authority letter in favour of the person signing must accompany the tender.

5. TENDERERS TO QUOTE FOR ALL ITEMS AND IN FIGURES:

The tenderer shall quote his rates in figures with reference to each item and must enter for all the items shown in the attached Bill of quantities. Incomplete offer shall be liable for rejection. The total amount shall be written both in figures and in words.

6. VALIDITY PERIOD OF OFFERS:

The rates quoted in the tender shall hold good for 90 days from the date of opening of the tender. The validity period shall be extendable with the mutual consent of both the parties. No tenderer can withdraw/or modify his tender or revoke the same within the said period of 90 days. If a tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within a period of aforesaid 90 days his earnest money deposit shall stand forfeited.

7. TENDERER TO SIGN ALL PAGES:

The tenderer shall stamp and sign at the bottom right hand corner of every page of the tender documents in token of acceptance of tender conditions and for the purpose of identification.

8. ERASURES AND ALTERATIONS:

Tenders containing erasures and alterations of the tender documents are liable to be rejected unless these are authenticated by the person signing the Tender Documents.

9. TENDERER TO SATISFY HIMSELF OF SITE CONDITIONS:

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender regarding nature of the site conditions, the means of access of the site, the accommodation they may require and in general obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender in any manner. A tenderer shall be deemed to have full knowledge of the site, whether he inspects it or not and no compensation or otherwise of any charges incurred or to be incurred consequent on any misunderstanding or otherwise shall be admissible. The tenderer must sign & submit the certificate for site inspection Annexure-II.

10. SAMPLES

After award of work of the tender contractor shall arrange relevant samples at his own cost and deposit with Institute. These samples will be sealed by the NIPGR in the presence of the contractor, if he so desires and shall remain in the custody of the NIPGR for reference and comparison till the completion of work.

11. EARNEST MONEY:

The tenderer must deposit the earnest money ₹ 10,400.00 (₹ Ten thousand four hundred only) in the form of Demand Draft only drawn in favour of the **Director, NIPGR, payable at New Delhi**. Earnest money of the unsuccessful bidder(s) shall be refunded after expiry of the validity period of the tenders/allotment of works whichever is earlier. In case of successful tenderer the earnest money shall be adjusted against performance security.

12. TENDER LIABLE TO REJECTION:

Tenders which do not fulfill all or any of the conditions laid down in this notice, or contain conditions not covered and / or not contemplated by the Conditions of contract and/or expressly prohibited therein or stipulate additional/alternative conditions shall be liable to be rejected and his earnest money will be forfeited.

Tenders shall also be liable for rejection on any of the following grounds :-

- i) Tenders submitted late
- ii) Tenders containing remarks uncalled for.
- iii) Conditional tenders
- iv) Tenders not submitted on-line on prescribed Performa.
- v) Telegraphic tenders.
- vi) Tender submitted without E.M.D.
- vii) Not submitted required documents as per tender.
- viii) Tenders with NIL consideration.

13. CORRESPONDENCE:

Tenderers must mention their postal address and telephone number(s) of the Chief Executive/authorized agent or attorney in the tender. The tender submitted by the tenderer will be rejected if he or his agent cannot be contacted on the last known address or on the intimated telephone number(s) after reasonable search in which event earnest money may be forfeited by the NIPGR.

14. NOT TO ASSIGN ANY REASON FOR REJECTION OF TENDER:

NIPGR hold absolute discretion to accept or reject the lowest or any other tender without assigning any reason. No claim on this account shall be entertained.

15. AMENDMENT IN TENDER DOCUMENTS:

NIPGR reserves the right to revise or amend the Bid Documents up to the date prior to the date notified for opening of the tenders and also the right to postpone the date of submission and opening of tenders without assigning any reason, whatsoever.

16. REFERENCE IN TENDER DOCUMENTS:

Director, NIPGR New Delhi shall be referred as "Owner" in all the documents of Tender documents/contract agreement.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

GENERAL INFORMATION

- 1 Accepting Authority Director, NIPGR
New Delhi.
- 2 Reference Book As per specifications
- 3 Earnest money For ₹ 10,400.00 (₹ Ten thousand four hundred only) to be furnished with the tender in the form of the demand draft (No interest is payable on Earnest Money and security deposit)
- 4 Security deposit The security deposit will be collected by deductions from the running bills of the contractors at the rate mentioned below and the earnest money, if deposited at the time of tender, will be treated as part of security deposit. Performance security may be accepted as Bank Guarantee/DD of Scheduled Banks and State Bank of India. A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will reach to the extent of 5% of the tendered value of the work as security deposit. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to him.
- 5 Authority competent to grant extension of time Director or authorized person by Director,
- 6 Tools & plants To be arranged by contractor
- 7 Authority competent to reduce the compensation amount Director ,
- 8 Defect Liability Period One year from the date of acceptance of completion by the Institute. .
- 9 Release of Security Deposit The performance security shall be refunded to the contractor on completion of the work and recording of completion certificate by Institute and the balance amount be released after defect liability period.
- 10 Authority Competent to Appoint Arbitrator Director, NIPGR

Consultant Engineer
NIPGR

Seal & Signature of Contractor

MEMORANDUM

- a) Name of work Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.
- b) Estimated cost ₹ 5,20,000.00/- (Approx.) ✓
- c) Earnest money ₹ 10,400.00 (₹ Ten thousand four hundred only) in the form of Demand Draft in favour of "Director, NIPGR payable at New Delhi. (No interest is payable on earnest money).
- d) Time allowed for the completion of work(to be reckoned from 10th day after the date of issue of written order to commence work) 30 Days

Place
Date:

(Seal & Signature of AGENCY)

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
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Attached at pages _____ to _____

Should this tender be accepted, in whole or in part I/We hereby agree to abide by and fulfill all the terms & provisions of the conditions of tender as applicable or in default there of a sum of for ₹ 10,400.00 (₹ Ten thousand four hundred only) deposited by me/us as earnest money in favour of Director, NIPGR, New Delhi., shall stand absolutely forfeited to .

I/We agree:

- (i) that should I/We fail to commence the work specified in the above mentioned Memorandum the without prejudice to any other right or remedy shall be at liberty to forfeit the earnest money. Otherwise the said earnest money shall be retained and adjusted towards security deposit mentioned in the above Memorandum
- (ii) to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

The names and postal addresses and contract phone nos. of our representative(s) authorized to deal with this tender are:

1)

2)

3)

Dated the _____ day of _____ 2018

Signature of Tenderer

GENERAL CONDITIONS OF CONTRACT AGREEMENT

1. SECURITY DEPOSIT

The person/persons whose tender may be accepted (herein after called the contractor) shall permit NIPGR at the time of making any payment to him for works done under the contract to deduct such sum as will amount to 10 % of all moneys so payable to be held by the Institute, by way of security deposit. Earnest money shall also be adjustable towards this security deposit. All compensation or other sums of money payable by the contractor to NIPGR under terms of this contract may be deducted from his security deposit or from any account what so ever, and in the event of his security deposit being reduced by reason of any such deduction, the contractor shall within 10 days thereafter make good in cash any sum or sums which may have been deducted from his security deposit or any part thereof.

2. COMPENSATION CLAUSE

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor, and shall be reckoned from the 10th day of the date on which the order to commence the work is given to the contractor, and within ten days of award of work the contractor. The work on the contract shall be executed according to the approved drawings as aforesaid and shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to one percent per week of work order amount as, may decide on the value of work as per contract, . Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent of the awarded cost of work as shown in the tender. The Director, NIPGR on a representation from the Agency, is however; empowered to reduce the amount of compensation and his decision in writing shall be final.

3. TIME EXTENSION

If the contractor shall desire an extension of the time limit for completion of the work on the grounds of his having been unavoidably hindered in its execution or on any other ground he shall apply in writing to the NIPGR, within 15 days of the date of the hindrance on account of which he desires such extensions as aforesaid but before the expiry of time limit and the NIPGR, if in his opinion(which shall be final)reasonable grounds as shown thereof ,authorized such extension of time if any, as may, in his opinion be necessary or proper.

4. COMPLETION OF WORK

Without prejudice to the rights of NIPGR under any clause hereinafter contained on completion of the work, the contractor shall be furnished with a certificate by the NIPGR or his representative of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work has been executed, all scaffolding ,surplus materials and rubbish, and cleaning off the dirt from all doors, walls, floors, or any other parts of buildings said to have been completed, and the measurements in the said certificate shall be binding and conclusive against the contractor, if the contractor shall fail to comply with the requirements of this clause as to the removal of scaffolding, surplus materials, and rubbish and cleaning off dirt on or before the date fixed for the completion of the work, NIPGR, may at the expense of the contractor have removed such scaffolding ,surplus materials and rubbish and dispose of the same as he thinks fit and clean off such dirt as aforesaid and the contractor shall forth with pay the amount of all expenses so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such sale proceeds actually realized by the sale thereof.

5. ADDITIONS/ALTERATIONS/ DEVIATIONS

5.1 The NIPGR, shall have power to make any alterations or omissions or additions or substitutions in the original specifications ,drawings ,designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the work in accordance with any instructions which may be given to him in

writing signed by the NIPGR and such alterations, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work which the contractor may be directed to carry out in the manner above specified as part of the work shall be carried out by the contractor on same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended in the proportion that the altered additional or substituted work has to the main work at the sole discretion of the NIPGR, and his decision in this regard shall be final and binding on the contractor.

All tenderers are required to quote as per specifications stipulated hereunder. Rates for all items shall be quoted as specified hereunder. After the award of the contract, the work shall be carried out as per approved samples. Rates for extra/substituted items, should they become necessary during the execution of the work shall be settled on analysis of rate to be submitted by the contractor for such items.

Quantities in the B.O.Q. or estimated quantities which can vary up to $\pm 50\%$ during the execution of the work. Payment shall be made as per actual quantum executed without any change in the contracted rate due to variation in quantity, if any.

6. CARRYING OUT OF WORK

All the work shall be carried out in accordance strictly as per the specifications given in the tender to the total satisfaction of the Institute. In the case of an item for which specification are not available in the said specifications relevant CPWD / BIS specifications applicable as on the date of tenders shall be followed.

7. QUALITY CONTROL OF MATERIAL

7.1 If it shall appear to the authorized representative of the Institute, that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials or articles provided by him for the execution of the work are unsound, or of a quality inferior to that contracted for or otherwise not in accordance with contract, the contractor shall on demand in writing from the Institute specifying the work materials or articles complained of not with standing that the same may have been inadvertently passed, certified and paid for forthwith rectify, or remove & reconstruct the work so specified in whole or in part, as the case may require, or as the case may remove the materials or articles so specified and provide other proper and suitable material or articles at his own charge and cost and in the event of his failing to do so within a period to be specified by the Institute, in his demand as aforesaid then the contractor shall be liable to pay compensation at the rate of 1% on the contract agreement of work for everyday till rectify or remove, and re-execute the work or replace with other, materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

8. INSPECTION OF WORK

All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Institute and the contractor shall at all times, during the usual working hours and at all other times at which reasonable notice of the intention of the Institute to visit the works shall have been given to the contractor, either himself be present to receive order and instructions or have a responsible agent duly accredited in writing present for that purpose. Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

The work during its progress shall be inspected by the authorized representative of the Institute and the contractor shall extend all co-operation in the inspection of work.

9. AGENCY'S RISKS

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the excepted risks are the responsibility of the contractor.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

SPECIAL TERMS AND CONDITIONS OF CONTRACT

1. SPECIFICATIONS:

If specifications for an item of work are not covered as per approved Specifications of tender, the same shall be decided by the Institute and shall be binding on the contractor.

The Director shall have the power to insist upon the contractor to purchase and use such materials of approved make which may in his opinion be necessary for proper and reasonable compliance with the specifications and execution of work.

In the event of any variation/discrepancy in the specification of tender documents the decision of the Institute shall be final binding and conclusive on the contractor.

2. CONTRACTOR TO BE LIABLE FOR ALL TAXES ETC. - The rates specified in the tender shall be inclusive of GST, royalty etc. However if any fresh taxes are imposed by State/Central/Statutory bodies during the currency of contract, the same shall be borne by Institute.

3. FORCE MAJEURE:

The right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including not limited to acts of God, or of the public enemy, restraints of a sovereign state, firms, floods, unusually severe weather.

4. JURISDICTION:

Not with standing any other courts having jurisdiction to decide the questions forming subject matter of a suit any and all actions and proceedings arising out of or relative to this contract (including any arbitration in terms thereof) shall lie only in the court of competent Civil jurisdiction in this behalf at New Delhi., where this contract is to be signed on behalf of and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

5. SITE WORKING RULES AND REGULATIONS:

a) The contractor shall furnish NIPGR, the Power of Attorney name and signature of his authorized representative who will be in-charge of the execution of the works at site. The contractor shall also furnish the list of technically qualified persons employed by him for execution of the works. Daily reports of number of men employed by crafts and weekly reports of progress achieved, expected date of completion of the works and any actual or potential delays stating the reasons thereof shall be furnished by the contractor.

b) Save as otherwise specifically provided in this Agreement the rates and prices herein, unless otherwise stipulated elsewhere in this Agreement, include all the costs, expenses and outlays of the contractor for executing the works and fulfilling all the obligations of the Contractor under this agreement.

6. Scope of work

The scope of work is as per schedule of Bill/quantity. All aspects of Firefighting including site alignment. Electric supply and water, if any, required for the execution of work shall be provided by institute from one point free of cost.

7. CONTRACTOR'S RESPONSIBILITY FOR THE MANNER OF EXECUTION OF WORKS

The contractor shall be solely responsible for the manner and the method of executing the work. The work shall be subject to the approval of NIPGR from time to time for purposes of determination of the question whether the work is executed by the contractor in accordance with the contract.

8. NO WORK SHALL BE UNDERTAKEN WITHOUT APPROVED WORKING DRAWINGS:

No work shall be undertaken at site by the contractor until detailed approved working drawings marked "Good" for execution/construction is issued by the NIPGR in writing. Any work done without the aforesaid working drawing shall be at the contractor's own risk and costs.

9. TIME LIMIT : The entire work is required to be completed within 30 days after the date of award of contract.

10. SUBMISSION OF BILLS:

Contractor is to submit the bills and record of measurements in approved Performa of the NIPGR or his representative for works executed by him. The Bill shall be submitted after Completion of work. Payment shall be released after completion of work only.

11. TERMS OF PAYMENT

The entire work executed under this contract shall be guaranteed by the contractor to give Zero defect and trouble free usage for one year after the date of completion of this contract, during this period, any defect in any component of the job on account of bad workmanship or use of sub-standard materials shall be replaced/rectified to the entire satisfaction of the Institute at his cost. 5% of the contract value shall be retained by the Institute during the guarantee period as security deposit for this purpose. The security can be in the form of deduction from the payment due to the contractor during performance guarantee period i.e. one year after the date of completion if no defect as above are noticed during the period or if noticed they are attended to satisfactorily by the contractor.

12. ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:

If it shall appear to NIPGR, or our representatives, that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to the contracted for, or otherwise not in accordance with the contract and provide other and suitable materials or articles so specified at his own cost and in the event of his failing to do so within a period to be specified by the NIPGR in his demand aforesaid, **then the contractor shall be liable to pay compensation at the rate of one percent on the amount of the work order** for every week not exceeding ten days while his failure to do so that continue and in the case of any such failure NIPGR, may rectify or remove, and re-execute the work or remove and replace with other materials or articles complained of, as the case may be at risk and expenses in all respects of the contractor.

1. The works shall be inspected by authorized representative of NIPGRs. The contractor shall extend full co-operation and render all necessary facilities for inspection of the work to the inspecting authority without any additional cost to NIPGR,. It must be noted that any observations/ comments/ recommendations of the said Technical representative of NIPGR shall be binding on the contractor.

2. It shall always prevail, unless otherwise specifically stated, that the entire provisions of Tender document been opened upon and accepted for compliance by the contractor without any reservation.

Consultant Engineer
NIPGR

Seal & Signature of Contractor

Schedule of Quantity

Name of Work:- Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus , New Delhi					
S.No	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supply, Laying, Testing & Commissioning of 2 Runs of XLPE insulated and PVC sheathed / XLPE armoured power cable of 1.1 KV grade of 3.5 x 120 SQMM direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. including connections with thimbals and glands as required complete as per CPWD specifications & instructions of Engineer in Charge.	Rmt.	210		
2	Supply, Laying, Testing & Commissioning of XLPE insulated and PVC sheathed / XLPE armoured power cable of 1.1 KV grade of 3.5 x 70 SQMM direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. including connections with thimbals and glands as required complete as per CPWD specifications & instructions of Engineer in Charge.	Rmt.	100		
3	Providing and fixing 250 amp TP MCCB rating and 25KA breaking capacity with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required & instructions of Engineer in Charge..	Each	1		
4	Main Distribution Board Design, manufacturer, testing at works & supply, installation, testing and commissioning of the following front operated front access 2mm thick sheet steel fabricated cubical type outdoor panel dust and vermin proof, complete with hinged and lockable doors, detachable top cover, The Panel shall be floor mounted and dead front construction complete with interconnections by copper tapes/wires, painting, copper crimping lugs, brass glands, bonding to earth and epoxy painting, suitable for use at 415 volts, 3 phase 4 wire 50Hz system all as per IS, specifications and instructions of E.I.C.				
All live accessible parts shall be shrouded and all equipments shall be finger tough proof. The bus bar insulation shall be with heat shrinkable sleeves. SMC/DMC busbar supports shall be used. Padlocking facility shall be provided.					
1. Necessary gaskets for doors, flexible earthing, danger board etc., to be provided.					
2. Gland plate shall be 3mm thick with knock outs.					
INCOMING					

Not to be Filled

S.No	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	1 no. 250 amp TP MCCB of 25KA service breaking capacity and trip setting as required, with over current and magnetic short circuit releases and heavy duty solid neutral link.				
	Indicating panel				
	The indicating panel of the incomer shall be provided with the following:				
	Digital ammeter of required range, CT's, Voltmeter.				
	3 Nos. phase indicating lamp, backed up with MCB				
	2 Nos. ON/OFF indicating lamp on incomer feeder for indicating the status of feeder.				
	Bus Bar				
	Electrolytic high conductivity aluminium three phase and neutral busbar rated at 250 amps having a maximum current density of 1 amp per sqmm. The neutral busbar is to be of 100% capacity.				
	OUTGOINGS				
	6 no. 100 amp 4P MCB of 10KA service breaking capacity, with over current and magnetic short circuit releases and heavy duty solid neutral link.	Each	1		
5	Earthing with G.I. earth plate 600mm x 600mm x 6mm thick in hard soil including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long with funnel complete etc. and filling with soft soil and with alternate layers of salt and charcoal complete as required as required as per CPWD specifications & instructions of Engineer in Charge.	Each	2		
6	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess and connections etc. as required & instructions of Engineer in Charge.	Rmt.	30		
				Total Amount	
[Amount in Words:]					
				Seal & Sign of Contractor	
				Consultant Engineer	

Not to be Filled

Instructions for Online Bid Submission

1. The tender documents are available on our website www.nipgr.ac.in & www.eprocure.gov.in and same can be downloaded.
2. Tender documents may be downloaded from ITPO's website www.nipgr.ac.in and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in the tender document.
3. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>. Tenderers/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer for the esubmission of the bids online through the Central Public Procurement Portal for eProcurement at <https://eprocure.gov.in/eprocure/app>'. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
5. The bidders are advised to visit CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
6. Bids will be opened as per date/time as mentioned in the **Tender Document**. After online opening and evaluation of technical bids, the results of their qualification as well Price-Bid opening will be intimated.

Submission of Tender

The tender shall be submitted online in two parts, viz., Technical bid and Financial bid.

All the pages of bid being submitted must be sequentially numbered by the bidder irrespective of nature and content of the documents before uploading.

The offers submitted by hand/Post/Fax/email shall not be considered. No correspondence will be entertained in this matter.

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 "**Online Bidder Enrolment**" on the CPP Portal which 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 / nCode / eMudhra/ Nic 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 DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

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

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

- 1) 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.
- 2) 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/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 3) 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, GST Certificate etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" 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 they can 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) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official before bid opening date/time as mentioned in critical date sheet or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. 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.
- 6) The server 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.
- 7) 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. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e after Clicking "Freeze Bid Submission" in the portal), 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.
- 10) 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 3070 2232, 91-7878007972 and 91-7878007973.

TERMS & CONDITIONS

Name of Work:- Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus , New Delhi

1. The site of the work is at NIPGR Campus, Aruna Asaf Ali Marg, New Delhi-110067
2. **The quotationer must visit the site before quoting the rates and make him acquainted with the topography of the site. The Institute shall entertain no extra claim later on.**
3. The rates are inclusive of Transportation/travelling, lodging/boarding, loading, unloading & handling and nothing extra will be paid.
4. The rates shall be inclusive of GST and all other taxes etc., and nothing extra will be paid.
5. The agency shall make own arrangement for the security of the material at the site.
6. The agency must get the prior approval of the material from the Institute.
7. The agency shall have to arrange his own tools & plants including skilled & non-skilled manpower, welding machine, testing apparatus etc. required for execution of work and nothing extra will be paid.
8. The payment shall be made after completion of work; no advance payments will be made.
9. The work must be completed within 30 days after the date of issue of work order. In case the work is not completed within stipulated period, a compensation 1% per week subject to maximum of 10% of the work order amount shall be levied.
10. The following makes of material shall be acceptable:-
 - TPN/MCB : Legrand/ Havells/SIEMENS/L&T/ABB
 - Switch/Socket/Plate/Cover : MK/Legrand/ Havells/SIEMENS/L&T
 - Cables/Wires : Fort Gloster/ Skytone/Polycab/Havells
 - Cable Gland : Comet/ Peco/ /Stepwell
 - Lugs : Dowells/Comet
 - MCCB : ABB/L&T/Siemens
 - Electrical Switchgears : Legrand/ Havells/SIEMENS/L&T
11. Testing & Commissioning of the installation will be done in the presence of authorized representative of the Institute.
12. The data shall be provided for guidance to the contractor. The work shall be executed as per latest working drawings to be prepared by the contractor after award of work and submitted to the Institute for approval including any changes as may have been suggested by the authorized representative of the Institute as required. The exact dimensions, location, distance & levels etc. shall be governed by the space conditions. After completion of work, the contractor shall have to submit Schematic Drawing, contractor wiring drawing and detailed BOQ of the work.
13. The cable must be megger tested before and after laying. Test reports for the cable shall be submitted in proper manner. The cable route marker shall be provided by the agency after laying of cables.
14. In case agency fails to do the work, the EMD of the agency shall be forfeited.
15. The work shall be executed by the electrical contractor having electrical license to execute the electrical work in CPWD/PWD/Railways/P&T Dept. or any scientific institutions.
16. The work shall be carried out as per CPWD specifications and to satisfaction of the Institute. The agency shall also follow all labour laws as prevailing in Delhi.

17. All papers attached with this quotation should be signed & returned in original.
18. The Institute reserves the right to reject/accept any or all quotation without assigning any reason.
19. Any minor alteration/modification/civil works shall be done free of cost by the contractor e.g. breaking & repairing of wall in good manner etc.
20. The Institute also reserves the right to reduce/ increase the scope of work/item of work or delete a particular item.
21. In case of any dispute, the decision of the Institute shall be final & binding on the agency.
22. The above work shall be executed by the skilled/trained manpower in electrical installation under the supervision of agency's engineer.
23. The agency's office establishment should be based in NCR/Delhi.
24. Any work not carried out as per instruction of the Institute shall be dismantled and reconstructed by the agency and nothing extra shall be paid.
25. Any damage to the existing installations during the execution of work will be the responsibility of the agency and will be made good to the satisfaction of the Institute and nothing extra will be paid. In case the site clearance and damages are not attended, a recovery shall be made as per CPWD rules.
26. Any kind of accident / electrocution caused due to negligence or during the course of normal work etc. shall be responsibility of the agency and nothing extra will be paid.
27. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of staff. The agency shall coordinate the work with the Institute's timing schedule.
28. A copy of the GSTIN & PAN No. issued by the concerned authority must be enclosed with the quotation.

सलाहकार अभियंता

Seal & Sign of Contractor

(Undertaking on a Non-Judicial Stamp Paper worth Rs. 100/- duly notarized)

I / We (bidder) hereby give an undertaking that:

- a) I/We have not been blacklisted / on holiday list / debarred during last three years by any Govt. Department/Govt. Autonomous Body/Institution, etc.;
- b) I/We do not have any dispute with any of the Govt. Departments/Govt. Autonomous Bodies/Institutions, etc.;
- c) I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Departments/Govt. Autonomous Bodies/Institutions;
- d) I/We have not submitted any fake/forged certificates/documents and later, if any such 'Certificates/Documents' found to be fake/forged or contains willful wrong/incorrect information, suitable legal action may be initiated against me/us/agency besides 'forfeiture of Earnest Money Deposit' and 'Blacklisting' etc.
- e) I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the NIPGR shall be authorized to forfeit the EMD submitted by me/us.

Seal and Signature of the Authorized
Person of the Agency

Name and designation of the
Authorized Person of the Agency

Place:

Date:

'CERTIFICATE FOR SITE INSPECTION'
Pre-qualification criteria of NIT

Certificate that we have visited the site on and assessed the nature and amount of work involved before submitting our offer. We will be able to complete the works within the stipulated time and to execute the work which suit to the site conditions.

(Signature of Bidder with Seal)

Name:

Address:

Date:

Consultant Engineer

CHECK-LIST FOR PRE-QUALIFICATION BID FOR: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.

Sl. No.	Documents asked for	Page number at which document is placed
1.	Earnest Money	
2.	Name of authorized person of the firm/agency, designation, address and office telephone numbers. If the bidder is a partnership firm/private or limited company, name designation, address and office telephone numbers of partners/ Directors also.	
3.	Undertaking on a Non-judicial Stamp Paper of ₹ 100/- (as per format prescribed in Annexure-I) along with tender document.	
4.	Self-attested copy of the GSTIN& PAN card issued by the respective authorities.	
5.	Proof of experiences of last three years ending 31 st Dec. 2018 as specified in the NIT along with satisfactory performance certificates and work orders from the concerned employers.	
6.	Annual turnover of last three financial years ending March 31 st 2018 duly certified by the Statutory Auditors.	
7.	Valid electrical contractor license issued from the Competent Authority	
8.	Any other documents, if required.	

**Signature of the Bidder
(Name and Address of the Bidder)
Telephone No.**

FINANCIAL BID

Name of work: Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus, New Delhi.

**CLIENT : DIRECTOR NIPGR
NEW DELHI**

Schedule of Quantity

Name of Work:- Supply, Installation, Testing & Commissioning of electrical facilities for Green Houses at NIPGR Campus , New Delhi

S.No	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supply, Laying, Testing & Commissioning of 2 Runs of XLPE insulated and PVC sheathed / XLPE armoured power cable of 1.1 kV grade of 3.5 x 120 SQMM direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. including connections with thimbals and glands as required complete as per CPWD specifications & instructions of Engineer in Charge.	Rmt.	210		
2	Supply, Laying, Testing & Commissioning of XLPE insulated and PVC sheathed / XLPE armoured power cable of 1.1 kV grade of 3.5 x 70 SQMM direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. including connections with thimbals and glands as required complete as per CPWD specifications & instructions of Engineer in Charge.	Rmt.	100		
3	Providing and fixing 250 amp TP MCCB rating and 25KA breaking capacity with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required & instructions of Engineer in Charge..	Each	1		
4	Main Distribution Board Design, manufacturer, testing at works & supply, installation, testing and commissioning of the following front operated front access 2mm thick sheet steel fabricated cubical type outdoor panel dust and vermin proof, complete with hinged and lockable doors, detachable top cover, The Panel shall be floor mounted and dead front construction complete with interconnections by copper tapes/wires, painting, copper crimping lugs, brass glands, bonding to earth and epoxy painting, suitable for use at 415 volts, 3 phase 4 wire 50Hz system all as per IS, specifications and instructions of E.I.C.				
	All live accessible parts shall be shrouded and all equipments shall be finger tough proof. The bus bar insulation shall be with heat shrinkable sleeves. SMC/DMC busbar supports shall be used. Padlocking facility shall be provided.				
	1. Necessary gaskets for doors, flexible earthing, danger board etc., to be provided.				
	2. Gland plate shall be 3mm thick with knock outs.				
	INCOMING				

S.No	Description of item	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
	1 no. 250 amp TP MCCB of 25KA service breaking capacity and trip setting as required, with over current and magnetic short circuit releases and heavy duty solid neutral link.				
	Indicating panel				
	The indicating panel of the incomer shall be provided with the following:				
	Digital ammeter of required range, CT's, Voltmeter.				
	3 Nos. phase indicating lamp; backed up with MCB				
	2 Nos. ON/OFF indicating lamp on incomer feeder for indicating the status of feeder.				
	Bus Bar				
	Electrolytic high conductivity aluminium three phase and neutral busbar rated at 250 amps having a maximum current density of 1 amp per sqmm. The neutral busbar is to be of 100% capacity.				
	OUTGOINGS				
	6 no. 100 amp 4P MCB of 10KA service breaking capacity, with over current and magnetic short circuit releases and heavy duty solid neutral link.	Each	1		
5	Earthing with G.I. earth plate 600mm x 600mm x 6mm thick in hard soil including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long with funnel complete etc. and filling with soft soil and with alternate layers of salt and charcoal complete as required as per CPWD specifications & instructions of Engineer in Charge.	Each	2		
6	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess and connections etc. as required & instructions of Engineer in Charge.	Rmt.	30		
				Total Amount	
[Amount in Words:]					
				Seal & Sign of Contractor	
Consultant Engineer					