



GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
NUCLEAR FUEL COMPLEX

**e-Tender Notice No:  
NFC/PD/01/2017**

**Name of the work**

**Providing Power Supply to Pilot Plant Project at NFC-Hyderabad.**



---

**Power Distribution, 2<sup>nd</sup> Floor, PD & Utilities Building  
Nuclear Fuel Complex, Hyderabad-500062 (Telangana State)**

<b>Sl. No</b>	<b>CONTENT</b>	<b>Page. No</b>
<b>1</b>	<b>DETAILED NIT</b>	<b>4</b>
<b>2</b>	<b>ITEM RATE TENDER &amp; CONTRACT FOR WORKS</b>	<b>14</b>
<b>3</b>	<b>FORMS AND APPENDICES</b>	<b>17</b>
<b>4</b>	<b>TECHNICAL SPECIFICATIONS</b>	<b>39</b>
<b>5</b>	<b>PROFORMA OF SCHEDULES</b>	<b>70</b>
<b>6</b>	<b>PREAMBLE TO SCHEDULE OF QUANTITIES</b>	<b>76</b>
<b>6</b>	<b>SCHEDULE OF QUANTITIES (Financial Bid)</b>	<b>81</b>

Government of India  
Department of atomic energy  
**Nuclear Fuel Complex**  
Power Distribution  
Hyderabad – 500 062

**NOTICE INVITING e-TENDER (NIT)**

**Tender No: NFC/PD/01/2017**

**1.0 Introduction:**

- 1.1 **On line** Item rate Two part tender (**e-tendering**) in **TWO ENVELOPE SYSTEM** are invited on behalf of the President of India from approved and eligible contractors of DAE, e-registered and those of appropriate list of CPWD, Department of Telecommunications, M.E.S., Railways and State PWD and / or having experience in similar works for the work of

**“ Providing Power Supply to Pilot Plant Project at NFC-Hyderabad”**

- 1.1 The estimated cost of the work is approximately **Rs.23,00,000/-..**
- 1.2 Earnest Money Deposit (EMD) **Rs.46,000/-** (Rupees Forty Six Thousand only)

**2.0 Detailed Scope Of Work:**

Detailed Scope of work shall be briefly but not limited to the scope of work as mentioned in **Appendix-II to this Detailed NIT**. The scope of work shall include all specifications, terms and conditions, schedule of rates and its preamble etc. as included in the bidding document and its subsequent Amendment, if any.

- 3.0 Time Schedule:** The time schedule for completion of work in all respects shall be 9(Nine) calendar months to be reckoned from the 15<sup>th</sup> day after the date of written orders to commence the work.

**4.0 Fees Payable by the bidder:**

- 4.1 **Cost of Tender Document : Nil**
- 4.2 **Transaction fee for Tender processing: Rs 1322/-** (Rupee Thirteen Hundred and Twenty Two only), non refundable drawn in favour of "ITI Limited", payable at New Delhi in the form of Demand Draft/Pay Orders/Banker's cheque from a Scheduled Bank. The payment can also be made through Internet Banking/ Credit Card/ Debit card.
- 4.3 **Earnest Money Deposit (EMD) Rs.46,000/-** (Rupees Forty Six Thousand only) shall be submitted in the form of Demand Draft/ Pay Order/ Banker's Cheque / Deposit at Call receipt/ FDR of a Scheduled Bank issued in favour of " Pay & Accounts Officer), NFC," payable at Hyderabad. A part of EMD is acceptable in the form of bank guarantee also. In such case 50% of earnest money will have to be deposited in shape prescribed above and balance can be accepted in the form of Bank guarantee issued by a scheduled bank.

4.4 In case the contractor fails to commence the work specified in the tender document as per the time schedule mentioned, then the Government shall, without prejudice to any other right or remedy be at liberty to forfeit whole PG absolutely.

5.0 If any Tenderer fails to submit any fee (Tender processing fee/EMD) repeatedly, then Tender Inviting Authority (TIA) will debar the Tenderer for a minimum period of one year

6.0 No pre bid meeting for this tender. Any queries on the tender may be sent to [vmmn@nfc.gov.in](mailto:vmmn@nfc.gov.in) or [mcs@nfc.gov.in](mailto:mcs@nfc.gov.in) for clarification

7.0 Important dates:

Tender Document available on website <a href="http://www.tenderwizard.com/DAE">www.tenderwizard.com/DAE</a> for free view & download	:	From 17.04.2017 to 29.04.2017 up to 20:00 Hrs
Last Date and time of online submission/ uploading of Bid including Bidder's credentials, attested copies, and all fees / EMD	:	13.05.2017 up to 20:00 Hrs
Last date for submission of Hard Copies to NFC Office	:	23.05.2017 up to 13.30 hrs
Place of Submission of hard copies of Bid Fees, EMD	:	Sr. Superintending Engineer (PD) , 2 <sup>nd</sup> Floor, PD & Utilities Building, Nuclear Fuel Complex, Hyderabad-500062, India To be handed over in the Office
Date and time of online opening of Part -I (Eligibility & Technical bid)	:	23.05.2017 @ 14.00 hrs
Date and time of on line opening of Part-II (Financial Bid)	:	Will be intimated to the qualified bidders later on.
Bid Validity	:	The Bid shall be valid for a period of <b>120 (One Hundred Twenty) days</b> from the date of submission of Part-I (Eligibility & Technical Bid)
Contact Person of NFC for clarification/ information	:	Shri VMM Nampoothiri, Sr. Superintending Engineer (PD) Ph: 040-27184089, Fax: 040 -27121271.

## 8.0 Registration in website & downloading the tender document

- a) Agencies registered in Tender wizard only can purchase / download & submit / upload tenders.
- b) Agencies interested to participate shall have class-III valid Digital Signature Certificate (DSC) and register themselves under tender wizard only, and subsequently can download and submit/upload bid. Details of registration for e-tendering will be available on website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) under icon "enrolment". For assistance/clarifications if any regarding e-tendering, may contact Sri Vijay Kumar on 7207042074 or [daehelpdesk@tenderwizard.co.in](mailto:daehelpdesk@tenderwizard.co.in) . **The registration process will take about 4 days. Advance action for registration is advised.**
- c) However, Bidder can view the tender document without registration and DSC but can't upload / download schedules for participation.
- d) Bidders may get class-III Digital signature from any reputed IT organization like e-mudra, TCS, MTNL, GNFC etc. Subsequently, User ID and password shall be obtained for participation in tendering by registering in website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) under icon "enrolment".

## 9.0 Bidder's Eligibility Criteria (BEC)

### 9.1 Experience Criteria (Eligibility criteria for participation in tendering)

Estimated Cost for the work is **Rs 23.00 Lakhs.**

(A) Bidder should have satisfactorily completed during **last 7 years** ending **1.4.2016**

(1) **One** similar completed work not less than **80%** of Estimated cost i.e. **Rs. 18.40 Lakhs**

**'OR'**

(2) **Two** similar completed works **each** costing not less than **60 %** of Estimated cost i.e. **Rs. 13.80 Lakhs**

**'OR'**

(3) **Three** similar completed works **each** costing not less than **40%** of Estimated cost i.e. **Rs. 9.20 Lakhs.**

Attested copies of experience certificates as proof of evidence as stated above are to be uploaded and to be submitted.

(B) **The value of executed work will be brought to the current costing level by enhancing the actual value of work at simple rate of 7% per annum** to be calculated from the date of completion to the last date of receipt of tender as mentioned in NIT. The cost of materials supplied free of cost by the Client, shall be excluded in value of order.

(C) For the purpose of this clause, '**similar work**' means "**Supply & Installation of LT cable and LT Switch Gear Panels**"

## 9.2 Financial Criteria (Eligibility criteria for participation in tendering)

### (A) Turnover

- (i) The **average annual financial turn over on works contracts** should be at least **100% of the estimated cost** i.e. **Rs. 23.00 Lakhs** during the immediate last 3 consecutive financial years.
- (ii) The Bidder should **not have incurred any loss in more than two years during last 5 years period ending with last financial year.**
- (iii) **Copy of Auditor's Balance sheet and duly filled in FORM-C** included in the Tender document **should be uploaded and submitted by bidders in support of the Annual Turnover criteria.** The full audited financial statement with all schedules and profit and loss account shall be uploaded in website by the bidder.

The **turnover** shall be a certificate from the **Chartered Accountant** for the **last five years** as mentioned in the Tender Document should also be uploaded.

- (B) **Solvency:** Bidder should have the solvency equal to **40%** of the estimated cost of the work i.e. **Rs.9.20 Lakhs.**

Copy of **Fresh Solvency Certificate** issued by any scheduled Bank after **1.1.2016** (as per **Appendix-III to detailed NIT**) and **FORM-D** of this Tender document are required to be uploaded and submitted.

- (C) **BIDDING CAPACITY:** The bidding capacity of the bidder should be equal to or more than the estimated cost of this Tender work. The bidding capacity shall be worked out by the following formula:

$$\text{Bidding Capacity} = [ A \times N \times 2 ] - B$$

Where,

**A = Maximum value of works** executed in any one year during the last five financial years taking into account the completed as well as works in progress with current costing level by enhancing the actual value of work at simple interest of **7% per annum**, calculated from the date of completion to last date of tender as mentioned in NIT.

**N = Number of years prescribed for completion of work** for which bids has been invited i.e. **9 months.**

**B = Value of existing commitments** and ongoing works to be completed during the period of completion of work of this tender.

The Auditor's certificate to the information given by the bidder and bidding capacity of the bidder shall be uploaded and submitted.

- (D) Copy of **Registration of VAT(TIN) and PAN**

### 9.3 Technical and Administrative Personnel: List of Technical Staff and administrative personnel possessed by bidder is to be indicated. The requirement of Technical Staff and administrative personnel for the work proposed to be deployed by the bidder for completion of work in all respects are as per **FORM-F to this Detailed NIT.**

The period of absence of technical manpower will be charged and deducted from your bills as per **Schedule – F** included in the tender document

9.4 **Plant, Equipment and Machinery:** Plant, minimum equipment and machinery required for completion of work in all respects within the time schedule **proposed to be deployed or to be hired** for the work shall be as per **FORM-E to this Detailed NIT.**

**10.0 The bid of consortium/ unincorporated joint venture and foreign bidders shall not be taken into consideration.**

**11.0 SSI/MSME/PSU** (Central & State) **are not exempted** from submission of EMD and transaction fee for tender processing. Purchase preference for **SSI/MSME/PSU** shall not be provided for this tender.

**12.0 Zero deviation basis:** Bidders are requested to submit their bids on **Zero deviation basis** in total compliance to Tender Document without any deviation / stipulation / clarification / assumption. Accordingly, Bidder must submit format for **“Compliance to Bid requirement”** as per attached format **‘Appendix-IV to Notice Inviting e-Tender’**, duly filled in along with Techno–Commercial Bid. **Bidders taking deviations to the provisions of Tender Document shall be summarily rejected.**

**13.0 Certificates to be uploaded (after scanning) and hard copy to be submitted**

(Contractor can upload documents in the form of JPG format / PDF format and also in zip)

- i) Experience /performance certificates of works completed and works in hand
- ii) Audited balance sheets indicating annual turnover
- iii) Latest solvency certificate (Appendix-III)
- iv) VAT (TIN) and PAN registration.
- v) Transaction/process fee, EMD in original
- vi) Class of registration of appropriate organization
- vii) Compliance to Bid requirement by the bidder duly signed (Appendix –IV)
- viii) Declaration by the bidder duly signed (as per Appendix-V )
- ix) Confirmation of Time Schedule in the form of Bar Chart for completion of work (as per Appendix-VI)
- x) Appendix VII to NIT

**14.0 Tender document available on website**

Tender document consists of Two Parts. **Part -I (Technical bid), and Part -II (Financial Bid).** Entire tender document along with drawings if any can be viewed/seen and downloaded from website [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) free of cost for reference only

**14.1 Part -I (Technical Bid)**

This consists of NIT and Detailed Notice Inviting Tender, eligibility criteria, Tender and contract, General rules and directions, Conditions of contract, clauses of contract, safety code, model rules, contractor’s labour regulations, Proforma of registers, special instructions to tenderers, Proforma of Annexures and performance guarantee, sketches of safety, standard specifications, and Schedule A to F, except **Schedule B.**

#### 14.2 Part -II (Financial Bid):

This consists of Empty **un editable/ pdf** copy of Schedule B (Schedule of quantities)

- a) **Schedule B is the financial bid i.e. price only. No other conditions, deviations, clarifications etc. shall be considered in this part.**

#### 14.3 Bid Documents:

e-format of 1.Technical evaluation sheets 2.Schedule of quantities.

- 14.4 **For participation in the bid, documents are to be downloaded by uploading the “transaction fee for tender processing”.**

#### 15.0 Mode of submission of offer:

Offer consists 1) Online submission of Bid-documents. 2) Submission of Hard copies of certificates as per para 13.0

#### 15.1 Online submission of bid documents:

- a) Forms of Technical evaluation sheets (form A to G) should invariably filled & documents related to additional information given in Part-I (Technical bid) shall be scanned and uploaded

**FORM-A:** Similar works completed during last 7 years

**FORM-B:** Projects under execution or awarded

**FORM-C:** Turnover for last 5 years

**FORM-D:** Data of Solvency certificate

**FORM-E:** Construction Plant and Equipment likely to be used in the work

**FORM-F:** List of Technical and Administrative Personnel for the work,

**FORM-G:** General Data

**FORM-H:** Questionnaire

- b) Financial Bid: This Consists of various items to be carried out for the work and to be read in conjunction with the drawings and specifications for filling the rates.
- c) Contractor shall make ready the details of Tender processing fee and EMD as indicated in 4.1, 4.2 &4.3 of this section. **Contractor has to download the Technical evaluation sheets and schedule of quantities within the time and date indicated in the NIT**, after log on to web site [www.tenderwizard.com/DAE](http://www.tenderwizard.com/DAE) using Digital signature, User id and password and as also giving details of fees ( tender processing fee).
- d) Contractor has to download the bid documents as above and save on the system (Technical evaluation sheets/ forms A to H and Schedule of Quantities) on the desk top **without changing file names**. The files so downloaded shall be filled-in in all respects and then to be uploaded with input of EMD details.
- e) **Mode of filling for Financial Bid (Part-II)**
1. Bidder/contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in **YELLOW** colour and the moment rate is entered, it turns **SKY BLUE**. However, while selecting if any cell is left blank/filled vacant, the value for that cell will be taken as “0” by software which indicates that the item is being considered free of cost. A warning will



be available for such unfilled cells. Hence, bidder should ensure that the rates of all items shall be filled properly before uploading/ submission.

2. After submission of bid, bidder can resubmit revised bid any number of times but before last date and time of submission of bid as notified.
  3. While submitting revised bid, bidder can revise the rate of one or more item(s) any number of times but before last date and time of submission of bid as notified.
  4. Bidder shall not disclose rates quoted in Part –II (Financial Bid) nor shall enclose/submit any hard copy along the documents in Part-I
- f) **No hard copies of Filled-up Technical evaluation sheets forms A to H of Technical Bid and Schedule of Financial Bid are required to be submitted.**
- g) **Vendor manual may be referred which is available on [www.nfc.gov.in](http://www.nfc.gov.in)** for steps involved in e- tendering participation ie., down loading and up loading of Bid documents-Technical evaluation sheets forms A to H of Technical Bid and Schedule of Quantities. For help contact M/s ITI personnel as given above.
- h) For further assistance, contact personnel indicated in para 7.0 of this section.

#### 15.2 **Submission of Hard copies:**

- a) These original documents of fees and EMD shall be placed in single sealed envelope superscribed as **FEE** “Earnest Money, and Cost of Bid Processing Fee”.
- b) Copy of Enlistment Order and certificate of work experience and other documents as specified in the detailed tender notice under para 13.0 shall be scanned and uploaded to the e-Tendering website within the period of bid submission and certified copy of each shall be deposited in a separate envelop marked as “**Other Documents**”.
- c) Document Certification: All pages of Techno-Commercial documents for pre-qualification/ qualification are to be self attested. However, NFC reserves its right to verify authenticity of any such documentation/ certification at their own discretion directly from the concerned certificate issuing authority/ offices.
- d) Both the envelopes (Fee and other documents) shall be placed in another envelope with due mention of Name of work, date & time of opening of bids **addressed to Sr. Superintending Engineer (PD), 2<sup>nd</sup> Floor, PD & Utilities Building, Nuclear Fuel Complex, Hyderabad-500 062** and to be handed over in the above office on or before last date and time of submission as given in this NIT

**16.0** The Delayed or late offers will be summarily rejected. Department will not be responsible for Postal delays.

**17.0** Online bid documents submitted by intending bidders shall be opened only of those bidders, whose Earnest Money Deposit and e-Tendering Processing Fee and other documents placed in the envelope are found in order. Consequently Part-I (technical bids) will be opened.

**18.0 Part-II (Financial Bid): shall be opened only of those bidders who qualify eligibility criteria and Technical Bid evaluation. The date of opening of Part-II (Financial Bid) will be communicated to the qualified bidders only. Therefore, bidders are required to submit the requisite data with documents in Part -I (Technical Bid) itself.**

**19.0** The EMD of bidders who are not qualified during qualification and Technical bid evaluation stage will be returned along with the letter indicating the reasons of their disqualification.

**20.0** The bid submitted shall become invalid and Transaction Fee for Tender processing shall not be refunded if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload all the documents (including service tax registration/VAT registration/ Sales Tax registration) as stipulated in the bid document.
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted in the envelopes (Fee & other documents) physically in the office of tender opening authority.

**21.0 Performance Guarantee (PG):** The bidder whose offer is accepted is required to submit **Performance Guarantee within a period of 15 days from the date of award of work. Performance Guarantee shall be 5% of tendered and accepted value.** It can also be in the form of Demand Draft/Pay Order/Banker's cheque/Deposit at Call receipt/FDR of a Scheduled Bank issued in favour of Pay & Accounts Officer, NFC payable at Hyderabad or Bank Guarantee from any scheduled Bank **valid up to stipulated date of completion plus 60 days beyond that along with additional claim period of 6 months** accepted by Engineer-in-charge or as mentioned in LOA or Order issued by the Department.

**22.0 Security Deposit (SD):** During execution of work, **Security Deposit (SD)** will be deducted from Running Bills up to **2.5% of tendered and accepted value.** The EMD submitted along with the Tender will be returned after receipt of PG from eligible bidder. Security Deposit will be deducted at the rate of 2.5 % of bill value till the total SD amount is recovered. If so desired by the contractor, the total SD amount can be deposited in the form of Demand Draft or Pay Order or Banker's Cheque or Deposit at call Receipt or FDR in favour of Pay & Accounts Officer, NFC payable at Hyderabad.

**23.0** Performance Guarantee will be refunded to contractor only on successful completion of contract and on production of work completion certificate from concerned officer-in-charge. Security deposit will be returned after completion of guarantee period of 12 months or after payment of final bill whichever is later.

**24.0** Income Tax and VAT on Works contract as applicable, security deposit will be recovered from the bills payable to the contractor.

**25.0 Bid Validity:** The tender for the works shall remain open for acceptance **for a period as specified in NIT clause no. 7.0** If any bidder withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty **to forfeit 50% of the said earnest money** as aforesaid. The bidder shall extend the validity period on written request from NFC

**26.0 Other Conditions:**

26.1 **Site Visit:** Bidders who are interested to participate in the tender are advised to inspect and examine the site before submission of their tender.

26.2 **Bidders who are apparently meeting the eligibility qualification criteria as mentioned in this NIT shall only be allowed to visit site.** For this purpose, bidder to submit copies of qualification documents directly to the contact person of NFC as mentioned in 7.0 above through email for verification and

**getting confirmation letter from NFC for visiting the site as scheduled by NFC.**

- 26.3 The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc., will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
- 26.4 **Police Verification for Labourers:** Police verification certificate (PVC) of all labour engaged at site shall be obtained by the bidder for issuance of entry pass at site. All stipulations and instruction given by security personnel, CISF from time to time shall be scrupulously be followed for entry/ exit of men and materials and as also during execution of work for security purpose. **The rates quoted shall be inclusive of PVC charges and no extra payment will be paid from department in this regard.**
- 27.0 The rates quoted shall be inclusive of all material, men, equipment/ plant/ machinery required for satisfactory completion of item in all respects and shall be inclusive of all taxes like VAT (WCT), labour cess, seignorage, excise duty etc. as applicable at the site of work as on last date of submission of offer.**
- 28.0 On bid opening date, the bidders can login in the website so that the position of bidders as per opening and their quoted total amount can be seen.**
- 29.0 Ambiguities in rates quoted:**
- If there are differences between the rates given by the bidder and the amount worked out by him, the following procedure shall be followed.
- The bidder shall quote rates in figures only. Amount of each item and total are generated automatically. Therefore, the rate quoted by the bidder in figures shall be taken as correct.**
- 30.0** Bidder shall sign the declaration and to be submitted /uploaded in **PART-I** (Technical Bid )
- 31.0** The competent authority on behalf of President of India does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without assigning any reason. **All tenders in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.**
- 32.0** Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the bidders who resort to canvassing will be liable to rejection.
- 33.0** The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the bidder shall be bound to perform the same at the rates quoted.
- 34.0** The bidder shall not be permitted to tender for works in NFC (responsible for award and execution of contracts) in which his **near relative** is posted as Assistant Accounts Officer or as an officer in any capacity between the grades of Chief Engineer and Assistant Engineers (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who

are near relatives to any gazetted officer in NFC or in the DAE. Any breach of this condition by the bidder/contractor would render him liable to be removed from the approved list of contractors of this Department.

- 35.0** No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractors service.
- 36.0** This Notice Inviting Tender shall form a part of the contract document. The successful bidder/contractor, on acceptance of his tender by the Accepting Authority, shall, within **15 days** from the stipulated date of start of the work sign the contract consisting of:- **Part-I** (Technical Bid) consist of the notice inviting tender, all the documents including Tender of contract, General rules and directions, clauses of contract, proforma of schedules, safety code, Model rules, contractors labour regulations, proforma of registers, special instructions to tenderers, specifications, **Schedule A to F (except Schedule-B) and drawings**, if any, forming the tender as issued at the time of initiation of tender and acceptance thereof and **Part-II** (Financial Bid) consisting of Schedule of Quantities(**Schedule-B**) together with any correspondence leading thereto.

The uploaded document of this work and subsequent corresponded documents/ amendments will be considered as a part of agreement.

**Signature of Sr. Superintending Engineer(PD)  
For and on behalf of the President of India**

---

NFC IS COMMITTED TO A CORRUPTION FREE WORK ENVIRONMENT. "All the purchase and contracts commitments of NFC will be honored without the citizen having to pay any bribe. In case any person demands any bribe, it is the duty of a responsible citizen to inform the matter to the vigilance officer, NFC, Hyderabad. Telephone numbers are: (O): 040 – 27120218, 27184949