

**Government of India  
Department of atomic energy  
Nuclear Fuel Complex  
Electrical projects  
Hyderabad – 500 062**

**NOTICE INVITING e-TENDER (NIT)  
Tender No E/570/2019**

**1.0 Introduction:**

**1.1 Two Part on-line** item rate tenders (**e-tendering**) 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 of AC facility to 3D CMM Enclosure at TRTP ; PLC Control Room at NUOFP & VB Control Room at NUFAP along with hard copper tubing, ducting, cabling, grills, associated supporting structures , etc.”at NFC Hyderabad”**

**1.2** The estimated cost of the work is approximately **Rs. 50,19,700/-**

**1.3** Earnest Money Deposit (EMD) of **Rs. 1,00,394/- (Rupees One Lakh Three Hundred and Ninety Four 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 08 (twelve) 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. 29,62/-** (Rupees Two Thousand Nine Sixty 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) of Rs. 1,03,100/- (Rupees One Lakh Three Thousand One Hundred 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.

**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 EMD absolutely.

**5.0** If any Tenderer fails to submit any fee (Tender processing fee/EMD), 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 or [crk@nfc.gov.in](mailto:crk@nfc.gov.in) & [mallesham@nfc.gov.in](mailto:mallesham@nfc.gov.in) for clarification

**7.0 Important dates:**

|  |   |
|--|---|
| <b>Tender Document available on website</b><br><a href="http://www.tenderwizard.com/DAE">www.tenderwizard.com/DAE</a> for free view & download | <b>From : 25/03/2019</b><br><b>to : 10/04/2019</b>  |
| <b>Last Date and time of online submission/ uploading of Bid including Bidder's credentials, attested copies, and all fees / EMD</b>           | <b>26/04/2019</b>   |
| <b>Last date for submission of Hard Copies to NFC Office</b>   | <b>06/05/2019</b>   |
| <b>Place of Submission of hard copies of Bid Fees, EMD</b>   | Dy. Chief Engineer (CED,PD & EP) ,<br>Civil Engineering Division-Electrical Projects,<br>2 <sup>nd</sup> Floor, Sarathi Building,<br>Nuclear Fuel Complex,<br>Hyderabad-500062, India<br><u>To be handed over in the Office</u> |
| <b>Date and time of online opening Tender Bids</b>   | <b>06/05/2019 at 15:00 hrs</b>  |
| <b>Bid Validity</b>  | The Bid shall be valid for a period of 120 (One hundred and twenty) days from the date of submission  |
| <b>Contact Person of NFC for clarification/ information</b>  | Shri D Sreedhar<br>Dy. Chief Engineer (CED,PD & EP)<br>Ph: 040-27184099 / 27184029,<br>Fax: 040 -27122532.  |

**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 contact Sri Vijay Kumar 7207042074 or 9666515154, DAE helpdesk.

**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

(A) Bidder should have satisfactorily completed during **last 7 years** ending 30.09.2018

**One** similar completed work not less than **80%** of Estimated cost i.e. **Rs. 41.22 Lakhs**

**‘OR’**

**Two** similar completed works **each** costing not less than **60%** of Estimated cost i.e. **Rs. 30.92 Lakhs**

**‘OR’**

**Three** similar completed works **each** costing not less than **40%** of Estimated cost i.e. **Rs. 20.61 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, Testing & Commissioning of AC Systems along with hard copper tubing, electrical, ducting, dampers, grills & associated supporting structure etc.**

### 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 **50%** of the **estimated cost** 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. 20.61 Lakhs.**

Copy of **Fresh Solvency Certificate** issued by any scheduled Bank in last Six Months as per **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 turn over 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.

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

**12. 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-I 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. 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)

1. Experience /performance certificates of works completed and works in hand
2. Audited balance sheets indicating annual turnover
3. Latest solvency certificate
4. GST and PAN registration.
5. Transaction/process fee, EMD in original
6. Class of registration of appropriate organization
7. Compliance to Bid requirement by the bidder duly signed (Appendix –I)

**14. Tender document available on website**

Tender document consists of Notice Inviting Tender, Schedule of Quantities (BID), Detailed Technical Specifications, Forms, Schedules, Appendixes, Control of Works as per AERB Safety guidelines and Conditions of Contract. 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 Tender (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 annexure and performance security bank guarantee, sketches of safety, standard specifications, and Schedule A to F, except **Schedule B ( Schedule of Quantities with offered Rates -BID).**

**14.2 Tender (Financial Bid):**

This consists of Empty **uneditable/ PDF** copy of Schedule B (Schedule of quantities) **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 (Schedules/Forms) 2. Schedule of quantities with Rates (Financial Bid - Schedule -B).

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

## **15. 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 and 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 Technical and Administrative Personnel for the work,

**FORM-G:** General Data

**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 fees for 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 (Forms A to G) and Schedule of Quantities (Schedule-B) 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 form cost and tender processing fee).

**d)** Contractor has to download the bid documents as above and save on the system (Technical evaluation sheets/ forms A to G 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 / uploading :**

Bidder/contractor must ensure to quote rate of each item in Schedule -B (Schedule of Quantities).. 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.

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.

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.

Bidder shall not disclose rates quoted (Financial Bid) nor shall enclose/submit any hard copy along the documents.

**f) No hard copies of Filled-up Technical evaluation sheets forms A to G 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 i.e., down loading and up loading of Bid documents-Technical evaluation sheets forms A to G 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(if any) and EMD shall be placed in single sealed envelope superscribed as “**Earnest Money Deposit for Tender No. NFC/E/ /2018**”.

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 Dy.Chief Engineer (CED,PD & EP), 2<sup>nd</sup> Floor, Sarathi 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 Tender (Financial Bid): shall be opened only of those bidders who qualify eligibility criteria and Technical Bid evaluation.**

**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:

- The bidder is found ineligible.
- The bidder does not upload all the documents (including GST registration) as stipulated in the bid document.

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 issue of LOA.. Performance Guarantee shall be 5% of tendered and accepted value.** It can 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** along with an additional claim period of six 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 @ **2.5% of tendered and accepted value.** The EMD submitted along with the Tender will be returned after receipt of performance guarantee.. 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.

Performance Guarantee will be refunded to contractor without any interest 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.

**23.0** Income Tax and GST as applicable will be recovered from the bills payable to the contractor.

**24.0 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

## **25.0 Other Conditions:**

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

**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.



The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & equipments, 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.

**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.

**26. The contractor shall quote his rates considering all required material, men, equipment/ plant/ machinery for satisfactory completion of item in all respects. The rates quoted shall be INCLUSIVE of all the taxes such as GST on material and erection, or any other tax except ESI & EPF on materials/work as applicable. Bills will be released on submission of documentary proof towards payment of ESI & EPF.**

**27.0** 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.

**28.0 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.**

**29.0** 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 put forth by the tenderer shall be summarily rejected.**

**30.0** 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.

**31.0** 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.

**32.0** 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.

**33.0** 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.

**34.0** 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 on signing the contract consisting of:-

(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 (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.

**Dy. Chief Engineer (CED, EP & PD)**  
For and on behalf of the President of India

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NFC IS COMMITTED TO A CORRUPTION FREE WORK ENVIRONMENT. “All the purchase and contracts commitments of NFC will be honoured 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

**BRIEF SCOPE OF WORK**

The work includes supply, installation, testing & commissioning of AC Systems as per the detailed Specs enclosed along with Hard Copper tubing, Ducting, Dampers, Canvas Cloth for flexible jointing, Supporting Structure, Electricals such as MCCs, Power Cables, control Cables, Local Push Button stations, Cable trays, Earthing, etc., complete with all accessories in Nuclear Fuel Complex, Hyderabad.

### **Location, Access to site & climatic conditions**

The site is located at Moula Ali, Andhra Pradesh, about 13 km along motorable road from Secunderabad. The nearest railway station is Moula Ali, 5 kms from Secunderabad (15 kms from Hyderabad). On the way the Hyderabad-Kazipet broad gauge line of South Central Railway. The Hyderabad-Kazipet line runs just south of the area acquired by Department of Atomic Energy.

The climate conditions at Moula Ali are similar to those prevailing at Hyderabad and are generally as indicated below:

|                                |  |
|--------------------------------|--|
| Max. of mean daily Temperature | :40°C  |
| Min. of mean daily Temperature | : 13°C   |
| Absolute max. Temperature      | : 45°C   |
| Absolute min. temperature      | : 8°C  |
| Relative Humidity max          | : 83%  |
| Relative Humidity min          | : 27%  |
| Average yearly precipitation   | : 750 mm   |
| Maximum daily precipitation    | : 150mm  |
| Maximum Hourly precipitation   | : Not available  |
| Maximum wind velocity          | : 84km/hr  |
| Wind direction                 | : May to September mainly from W&NW<br>Rest of the year mainly from NE, E and SE |

The site is well connected to Hyderabad-Secunderabad by road. The Hyderabad-Kazipet broad gauge line passes just south of the site and a private siding has also been taken to NFC. Hyderabad has a commercial airport at Shamshabad (25 km from

Hyderabad) and direct flights are available from all major cities. Both Chennai and Mumbai serve as seaports for Hyderabad.

Post, telephone and fax facilities are available. Site office address is:

**Office of the Dy. Chief Engineer**

**Electrical Projects (Ventilation)**

**Nuclear Fuel Complex**

**Department of Atomic Energy**

**ECIL post, Hyderabad-500062**

**Telephone: 040-27184029 / 4099 / 3387**

**Fax : 040 -27122532**

## PROFORMA OF SCHEDULES

### SCHEDULE 'A'

| Schedule of materials to be issued to the contractor |                                      |             |  |                               |
|--|--------------------------------------|-------------|--|-------------------------------|
| Sl.No.   | Description of item                  | Quantity    | Rates in figures & words at which the material will be charged to the contractor | Place of issue                |
| 1  | 2                                    | 3           | 4  | 5                             |
| 1  | Water for construction               | As required | 1% of the executed Civil Works value   | One point near the work place |
| 2  | Electricity for construction purpose | As required | Rs. 6/- per unit of energy consumed  | One point near the work place |

### SCHEDULE 'B'

|                        |                                     |
|------------------------|-------------------------------------|
| Schedule of quantities | <b>Uploaded/attached separately</b> |
|------------------------|-------------------------------------|

### SCHEDULE 'C' : Not Applicable

Tools and plants to be hired by the contractor

| Sl.No. | Description | Hire charges per day | Place of issue |
|--------|-------------|----------------------|----------------|
| 1      | 2           | 3                    | 4              |

### SCHEDULE 'D' : Not Applicable

Extra schedule for specific requirements / document for the work, if any

## SCHEDULE 'E'

Reference to "Conditions & Clauses of Contract" to be followed for this work

Name of work **“Providing of Central AC facility to 3D CMM Enclosure at TRTP, PLC Control Room at NUOPF & VB Control Room at NUFAP along with Hard copper tubing , ducting, cabling, dampers, grills, associated supporting structures , etc.” at NFC Hyderabad**

( Tender Notice No. E/ 570 /2019)

|                             |   |
|-----------------------------|---|
| (i) Estimated cost of work  | Rs. 50.2 Lakhs                            |
| (ii) Earnest money          | Rs. 1,00,394/-                            |
| (iii) Performance Guarantee | 5% of tendered value and accepted value   |
| (iv) Security Deposit       | 2.5% of tendered value and accepted value |

## SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender: Dy. Chief Engineer ( CED,EP & PD)

**Definitions:**

|         |   |  |
|---------|---|--|
| 2(v)    | Engineer-in-Charge  | <b>SE (VP,AC&amp;R, M)</b>                   |
| 2(viii) | Accepting Authority   | <b>Dy. Chief Engineer ( CED,EP &amp; PD)</b> |
| 2(x)    | Percentage on cost of materials and Labour to cover all overheads and profits | <b>15% (Fifteen percent)</b>                 |
| 2(xi)   | Standard Schedule of Rates  | <b>Prevailing Market rates</b>               |
| 2(xii)  | Department  | <b>Nuclear Fuel Complex, Hyderabad</b>       |
| 9(ii)   | Standard contract form of Department  | <b>Item rate tender</b>                      |

**Clause 1**

|  |  |
|--|--|
| i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance | <b>15 days</b>   |
| ii) Maximum allowable extension beyond the period ( provided in (i) above )                            | <b>15 Days with late fee @ 0.1 % per day of Performance Guarantee amount</b> |

**Clause 2**

|  |                             |
|--|-----------------------------|
| Authority for fixing compensation under Clause 2 | <b>Chief Executive, NFC</b> |
|--|-----------------------------|

**Clause 5**

|   |                |
|---|----------------|
| Number of days from the date of issue of Work Order for reckoning date of start | <b>15 days</b> |
|---|----------------|

Mile stones as per Table given below

**Table of Mile Stone(s)**

| Sl. No                             | Description of Milestone (Physical) | Time allowed in days (from date of start) | Amount to be with-held in case of non achievement of milestone |
|------------------------------------|-------------------------------------|---|--|
|                                    |                                     |   |  |
| Time allowed for execution of work |                                     |   | <b>08 months</b>   |

**Authority to decide:**

|                                  |           |
|----------------------------------|-----------|
| (i) Extension of time            | <b>SE</b> |
| (ii) Rescheduling of mile stones | <b>-</b>  |

**Clause 6, 6A**

|                               |                               |
|-------------------------------|-------------------------------|
| Clause applicable – (6 or 6A) | <b>Clause 6/6A applicable</b> |
|-------------------------------|-------------------------------|

**Clause 7**



|   |                              |
|---|------------------------------|
| Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to <b>interim payment</b> | <b>More than Rs. 2 lakhs</b> |
|---|------------------------------|

**Clause 10 A**

List of testing equipment to be provided by the contractor at site lab (The list given below is indicative)

|                                     |  |  |
|-------------------------------------|--|--|
| Flow , Pressure measurement devices |  |  |
|-------------------------------------|--|--|

**Clause 10B(ii)**

|  |           |
|--|-----------|
| Whether Clause 10B(ii) shall be applicable | <b>No</b> |
|--|-----------|

**Clause 10C**

|   |            |
|---|------------|
| Component of labour expressed as percent of value of work | <b>N.A</b> |
|---|------------|

**Clause 10CC**

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the below column **NOT APPLICABLE**

Schedule of component of Cement, Steel, other Materials, Labour, POL etc for price escalation

|   |   |    |   |
|---|---|----|---|
| 1 | Component of Cement- expressed as percent of total value of work  | Xc | - |
| 2 | Component of Steel- expressed as percent of total value of work   | Xs | - |
| 3 | Component of civil (except cement & steel)/ Electrical construction materials-expressed as percent of total value of work | Xm | - |
| 4 | Component f Labour-expressed as percent of total value of work  | Y  | - |
| 5 | Component of P.O.L-expressed as percent of total value of work  | Z  | - |

**Clause 11**

|   |  |
|---|--|
| Specifications to be followed For execution of work | <b>NFC Specification/ CEA &amp; AERB Regulations</b> |
|---|--|

**Clause 12**

|             |   |            |
|-------------|---|------------|
| 12.2 & 12.3 | Deviation limit beyond which clauses 12.2 & 12.3 shall apply for Building work    | <b>30%</b> |
| 12.5        | Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work  | -          |
| 12.5        | Deviation limit beyond which clauses 12.2 & 12.3 shall apply for maintenance work | -          |

**Clause 16**

|  |                             |
|--|-----------------------------|
| Competent Authority for deciding reduced rates | <b>SE (VP, AC&amp;R, M)</b> |
|--|-----------------------------|

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site :

|                                    |                     |                    |
|------------------------------------|---------------------|--------------------|
| 1. Tool Kit                        | 2. Drilling machine | 3. Welding machine |
| 4. Crane / Other lifting machinery | 5. Ropes            | 6. Crimping tools  |

**Note:** The list of machinery, tools & plants to be deployed by the contractor at site are minimum. The contractor shall deploy additional machinery, tool & plants in order to maintain the progress of the work without any extra cost to the department.

**Clause 36(i)****Requirement of Technical Representative(s) and recovery rate**

| Sl. No | Minimum Qualification of Technical Representative           | Discipline               | Designation (Principal Technical representative) | Min Exp in yrs                                    | No. | Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of |
|--------|---|--------------------------|--|---|-----|--|
| 1      | Graduate Engineer (or) Diploma Engineer                     | Mechanical I Engineering | Principal Technical Representative               | Nil for Graduate and 5 years for Diploma Engineer | 1   | Rs. 10000/- (Rupees ten Thousand only)   |
| 2      | Degree/Diploma /ITI holder in engineering or science stream | Any Science /engineering | Safety supervisor                                | 3 years   | 1   | Rs. 10000/- (Rupees ten Thousand only)   |

Note: Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers

**Clause 42: Not Applicable**

**Statement of Wages:** The minimum rate of daily wages payable to an employee em wages shall be as under or as per labour commissioner order which ever is higher.

| Sl. No | Category              | Daily wages payable as Minimum Order No. 1/38(3)/2018-LS-II dt 30/06/2018 |
|--------|-----------------------|---|
| 1      | Highly Skilled Labour | Rs.738  |
| 2      | Skilled Labour        | Rs.679  |
| 3      | Semi skilled Labour   | Rs.617  |
| 4      | Unskilled Labour      | Rs.558  |



GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
NUCLEAR FUEL COMPLEX

**TENDER NOTIFICATION/TENDER DOCUMENT FOR**

**E-tender Notice No: E/570/2019**

**Name of the work**

" Providing of AC facility to 3D CMM Enclosure , TRTP ; PLC Control Room at NUOFP & VB Control Room at NUFAP alongwith hard copper tubing ,GI ducting, cabling, grills, associated supporting structures , etc. " at NFC, Hyderabad"



Electrical Projects (Ventilation), 2<sup>nd</sup> Floor, Sarathi Building,  
ECIL Post, Hyderabad – 500 062.

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**ITEM RATE TENDER & CONTRACT FOR WORKS**

**Name of work:** " Providing of AC facility to 3D CMM Enclosure , TRTP ; PLC Control Room at NUOFP & VB Control Room at NUFAP alongwith hard copper tubing ,GI ducting, cabling, grills, associated supporting structures , etc. at NFC, Hyderabad"

**Part-I (Technical Bid)**: consists of **two covers** which contains as mentioned below:

**First Cover** in sealed condition superscribed as **“Earnest Money, Cost of Tender Document and Transaction Fee for Tender Processing”** and shall contain originals of Cost of Tender Document, Transaction Fee for Tender Processing & EMD as mentioned in NIT. This envelope shall be opened first and original documents shall be verified with the scanned copy of these instruments uploaded.

**Second Cover:** in sealed condition superscribed as **“Other Documents”** shall contain all documents related to **Eligibility Criteria** as mentioned in NIT for pre-qualification and Technical documents as given in Para No.13 of Notice inviting e-tendering, and shall be opened after opening and verification of documents in First cover.

**Both the covers are to be placed in a single third cover**

The hard copies are to be submitted in 2 sets marked **“ORIGINAL “and “COPY”**, and are to be submitted within the cut off time and date in the office of Dy. Chief Engineer, (CED,PD,EP), Civil Engineering Division, 2nd Floor, Saarathi Building, Nuclear Fuel Complex, Hyderabad-500062, India.

**Part -II(Financial/Price Bid)**:

Bid document should be uploaded after filling rates. No hard copy is required to be submitted

Issued to : \_\_\_\_\_

(Contractor)

Signature of officer issuing the documents \_\_\_\_\_

Designation: \_\_\_\_\_

Date of Issue: \_\_\_\_\_

## TENDER

I / We have read and examined the Notice Inviting Tender, Salient Governing Features of the Tender /Work including Schedules A, B, C, D, E & F, Drawings and Designs, General Rules & Directions, General Clauses of Contract, Special Clauses of Contract & other documents and rules referred to in the Conditions and Clauses of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., Schedule of Quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule 1 of General Rules & Directions and in Clause - 11 of the General Clauses of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **one hundred twenty (120) days** from the last date of its submission of tenders and not to make any modifications in its terms and conditions.

A sum of **Rs. 1,00,394/-**(Rupees One Lakh Three Hundred and Ninety Four only) has been deposited in cash/receipt treasury challan/deposit at call receipt of scheduled bank/ fixed deposit receipt of scheduled bank/ demand draft of scheduled bank/ Bank Guarantee issued by a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / we fail to commence work as specified, I / we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money absolutely. I agree to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule "F" and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I / We agree that in case of forfeiture of earnest money or Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in **Nuclear Fuel Complex & its units** in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

I / We hereby declare that I / We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**Signature of Contractor**

Postal Address

**Dated** \_\_\_\_\_

**Witness:**

**Address:**

*Occupation:*



**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_)  
\_\_\_\_\_)

**COMPLIANCE TO BID REQUIREMENT**

**WORK:** Providing of AC facility to 3D CMM Enclosure , TRTP ; PLC Control Room at NUOFP & VB Control Room at NUFAP alongwith hard copper tubing ,GI ducting, cabling, grills, associated supporting structures , etc. " at NFC, Hyderabad”

**TENDER NOTICE NO.:** E/570/2019

We hereby agree to fully comply with, abide by and accept without variation, deviation or reservation all technical, commercial and other conditions whatsoever in the BIDDING DOCUMENT for the subject work.

**SIGNATURE OF BIDDER** : \_\_\_\_\_

**With date**

**NAME OF BIDDER** : \_\_\_\_\_

**COMPANY SEAL** : \_\_\_\_\_

**BRIEF SCOPE OF WORK**

Providing of AC facility with Floor mounted Package AC of Air Cooled & Water Cooled condenser type & Rooftop Package AC Units of Air Cooled type alongwith hard copper tubing, GI ducting, SA & RA grills, cabling, earthing, associated supporting structures, etc. at 3D CMM Enclosure, TRTP ; PLC Control Room, NUOFP & VB Control Room, NUFAP.

The AC Systems shall consists of high energy efficient scroll type compressors, refrigerant (hard) copper tubing with insulation & protection cover (with perforated sheet), filter drier , thermostatic expansion valves, MCC panel, supporting structure for copper tubing, ODU stands, GI ducting, Grills, earthing along with associated electrical power & control wiring and civil works .

**LETTER FOR SUBMISSION OF BID**

(To be submitted by bidders on their letter head)

Date: -----

To

Dy Chief Engineer (CED,PD,EP),

Civil Engineering Division, 2<sup>nd</sup> Floor  
Saarathi Building, Nuclear Fuel Complex,  
ECIL Post, Hyderabad-500062, AP, India

Our Ref. : \_\_\_\_\_

Tender Notice No.: \_

Name of work: \_\_\_\_\_

Dear Sir,

Please find herewith our Bid for the subject work **in two Parts (Part-I: Pre-qualification Bid & Techno-Commercial Bid, Part-II: Financial Bid)** in line with the requirement of the Tender Document. We confirm that:

1. **Our Bid contains Envelope-I which intern consists of Envelope A which includes EMD** in the form and of requisite value as specified in **NIT and Transaction Fee** for Tender Processing, and **Envelope-B** which includes documents related to **pre-qualification criteria as per para 10 & Techno – Commercial documents**.
2. **We have submitted a no-deviation bid.** We understand that in the event of our taking any deviation, our Bid may not be considered for further evaluation.
3. We have submitted **our Bid as an Individual**
4. We further confirm that we will complete the work in totality as agreed and confirmed as per terms and conditions of the Tender document.
5. Our Bid is in complete compliance with all technical as well as commercial requirements of Tender document including Addendum/Corrigendum No. \_\_\_\_ (if applicable) and there is no technical or commercial deviation in the Bid.
6. We also confirm that our price shall remain FIRM for the entire Contract period, unless there is specific provision for adjustment in price as per terms and conditions of the Tender document.
7. We have submitted all documents as stipulated in NIT and various sections of the Tender document/ Technical specifications.

8. The validity of our Bid shall be **120 Days from the final bid due date of submission of Envelope-1**. We also confirm that if our bid validity period is to be extended on a later date for a reasonable period, on written request from NFC, we shall suitably extend the bid validity period without any financial implication until there is change in terms and conditions/Scope of work etc.
9. We also confirm that in the event of award of work to us, we shall submit performance bank guarantee for execution of work as per terms and conditions of the Tender document in NFC approved format.
10. We also confirm that in the event of award of work to us, we shall faithfully execute the Contract as per terms and conditions of the Tender/Contract document.

We declare that all statements made and information submitted by us in our Bid is true and complete to the best of our knowledge and belief and nothing is concealed.

Bidder's signature :

Name :

Designation :

Mobile (with STD Code):

Email :

Full Address (for all future communication):

Company Seal :

**Note:** Bidder to note that:

1. All the pages of bids are to be signed by the authorised signatory (having power of attorney (POA)).
2. All correspondence with NFC shall be made by the POA holder.

**DECLARATION BY THE CONTRACTOR**

Tender in two envelope system Part-I (Technical Bid) and Part-II (Financial Bid) for the work of "**Providing of AC facility to 3D CMM Enclosure , TRTP ; PLC Control Room at NUOFP & VB Control Room at NUFAP alongwith hard copper tubing ,GI ducting, cabling, grills, associated supporting structures , etc. "** at NFC, Hyderabad" (Tender No E/570/2019)

I/We have read and examined the detailed notice inviting tender, schedule, A, B, C, D, E& F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', and schedule of quantities in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for One hundred and Twenty (120) days from the due date of submission and not to make any modifications in its terms and conditions.

A sum of **Rs. 1,00,394/-** has been deposit in cash/receipt treasury challan / Demand Draft/Pay Order/Fixed Deposit Receipt/Banker's Cheque/ Deposit at call Receipt of a Scheduled Bank as earnest money. **If I/We fail to furnish the Performance Guarantee within prescribed period specified, I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money deposit.** Otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

**I/We agree that should I/We fail to commence the work as specified, I/we agree that the President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit EMD and performance guarantee absolutely, otherwise,** the same may at the option of the competent authority on behalf of the President of

India be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for bidding in DAE in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount to Earnest Money Deposit /Performance Guarantee.

Dated \_\_\_\_\_

Signature of Contractor

Postal Address \_\_\_\_\_

**APPENDIX-VI**

**FORM OF BANKERS CERTIFICATE FROM A SCHEDULED BANK  
(Solvency certificate)**

This is to certify that to the best of our knowledge and information that M/s. /Shri.  
..... having marginally noted  
address, a customer of our bank are/is respectable and can be treated as good for any  
engagement upto a limit of Rs. .... (Rupees  
.....only.)

This certificate is issued without any guarantee or responsibility on the bank or any of the  
officers.

(Signature of Contractor)

**For the Bankers**

**Note: (1) Bankers certificates should be on letterhead of the Bank, sealed in cover  
addressed to tendering authority.**

**(2) In case of partnership firm, certificate should include names of the partners as  
recorded with the Bank.**