



भारत सरकार  
GOVERNMENT OF INDIA  
नाभिकीय ईंधन समिश्र  
NUCLEAR FUEL COMPLEX

TENDER DOCUMENT

Tender No.: EP/ELE/09/2024

Providing network infrastructure for grid connectivity of Solar  
PV power plant at NFC, Hyderabad



GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
NUCLEAR FUEL COMPLEX  
CIVIL ENGINEERING DIVISION  
HYDERABAD – 500 062



**NOTICE INVITING E-TENDER (NIT)**  
**DOMESTIC COMPETITIVE BIDDING (DCB)**

**Providing network infrastructure for grid connectivity of Solar PV power plant at NFC, Hyderabad**

**TENDER NOTICE NO.: EP/ELE/09/2024**

**1.0 INTRODUCTION**

- 1.1 Online item rate tenders (e-tendering) available in CPP Portal (URL: <https://eprocure.gov.in/eprocure/app>) in SINGLE PART SYSTEM are invited on behalf of the President of India from contractors having experience in similar works and enrollment in CPP Portal.
- 1.2 The estimated cost of the work is approximately **Rs. 60 Lakhs** (including 18% GST, applicable EPF & ESI etc.)

**2.0 DETAILED SCOPE OF WORK**

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

The scope of the work involves Supply, Installation, Testing and Commissioning of RTU based system as per architecture and technical specification for transfer of real time solar power generation data along with local monitoring from NFC Hyderabad to TSTRANSCO.

- 3.0 TIME SCHEDULE:** The time schedule for completion of work in all respects shall be **8 (Eight) calendar months** to be reckoned from the 15<sup>th</sup> day after the date of written orders to commence the work. The site is available to carry out the work.

#### 4.0 **SALIENT FEATURES OF BIDDING DOCUMENT**

S. No.	Salient Feature		Details
4.1	Cost of Tender Document	:	<b>NIL</b>
4.2	Fee for Tender processing	:	<b>NIL</b>
4.3	<b>EMD</b>	:	<b>Earnest Money Deposit (EMD) Rs. 1,20,000/-</b> (Rs One Lakh Twenty Thousand Only) shall be submitted in the form of Insurance surety Bonds/Account Payee Demand Draft/ Banker's Cheque / FDR/ Bank guarantee from any of the commercial Banks issued in favour of "Pay & Accounts Officer), NFC," payable at Hyderabad. EMD may also be submitted in the form of online portal through Non-Tax Receipt Portal (NTRP) (Details in Clause 10).
4.4	<b>Submission of EMD to NFC</b>	:	<b>Original EMD</b> shall be submitted to <b>DEPUTY CHIEF ENGINEER(PD,EP) Electrical Projects, 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500062</b> EMD shall be found in order for opening of tender failing which the offer will be rejected
4.5	Various dates for process of the tender:		
a)	Dates for Tender availability for downloading & view	:	From <b>25/01/2025</b> On CPP Portal (URL: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )
b)	Dates for Site Visit and Pre-bid Queries	:	<b>1.1</b> Pre-Bid queries shall be from <b>30/01/2025 to 05/02/2025</b> <b>1.2</b> Applicants are advised to inspect and examine the site explore the resources available and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site. The accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. Applicant shall be deemed to have full knowledge of the site

S. No.	Salient Feature	Details
		<p>conditions whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed at a later date.</p> <p><b>1.3 Qualification for Site Visit:</b> Applicants who are apparently meeting the pre-qualification eligibility criteria as mentioned in this NIT shall only be allowed to visit site.</p> <p>For this purpose, applicant need to give prior intimation to the Chief Engineer &amp; Dy. Chief Executive (CED,PD &amp; EP), mentioning the intention of site visit, with details of persons visiting site to the mail <a href="mailto:rekha@nfc.gov.in">rekha@nfc.gov.in</a> &amp; <a href="mailto:tsaha@nfc.gov.in">tsaha@nfc.gov.in</a> by above dates. The schedule of site visit with contact person details etc will be intimated through mail firms individually.</p>
c)	Dates for on line submission/ uploading of offer duly filled in bid documents	: Bid documents downloaded during tender availability shall be duly filled in and uploaded on line along with EMD details from <b>08/02/2025 to 18/02/2025</b> .
d)	Dates for submission of EMD in original & hard copies of proof of eligibility criteria etc(As per para 10.0),	: EMD in original shall be submitted or handed over from <b>08/02/2025 to 20/02/2024 during office i.e. 8.45 to 16.45 hrs on working days and by 14.00 hrs. on the day of opening to</b> DEPUTY CHIEF ENGINEER(PD,EP) Electrical Projects, 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500 062 . Delayed offers due to Postal delay or any other reason whatsoever will not be considered.
e)	Date and time of on-line opening of Part -I (techno-commercial documents) and Part - II (Financial Bid)	: <b>21/02/2024 at 15:00 hrs</b> at the Office of DEPUTY CHIEF ENGINEER(PD,EP) Electrical Projects, 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500 062 . Interested parties may participate in Tender Opening.
f)	Bid Validity [For details, Refer Cl. 24.0 ]	: The Bid shall be valid for a period of <b>120 days</b> from the date of opening (extended due date in case of time extension) of Bid

S. No.	Salient Feature		Details
4.6	Contact Person of NFC for clarification /information on Tender	:	Smt Vijaya Rekha Executive Engineer (Electrical projects) 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500 062 . Ph: 040-27184010 or 040 -27184916, during office hours. Email: rekha@nfc.gov.in/sruthi@nfc.gov.in
4.7	Requirements for registration in CPP Portal for participation in e-tender of NFC	:	For registration, Digital signature of class III (DSC) is required. Bidders shall register in CPP Portal.
4.8	Contact Person for e-tendering process and registration	:	Help / Assistance in process of tendering i.e. downloading, uploading of tender etc., will be extended through 24x7 help desk of CPP Portal or chat app available.

Guidelines / Procedure for participation in tender is available at Appendix XI of this NIT.

## 5.0 **BIDDER'S ELIGIBILITY CRITERIA (BEC)**

5.1 Experience Criteria (Eligibility criteria for participation in tendering). Bidder shall satisfy the criteria given below.

Estimated Cost for the work is **Rs. 60 Lakhs**.

- (A) The contractor should have satisfactorily completed during last 7 years ending **31.12.2024**.
- One completed similar work not less than **Rs. 48 Lakhs**  
'OR'
  - Two similar completed works each costing not less than **Rs. 36 Lakhs**  
'OR'
  - Three similar completed works each costing not less than **Rs. 24 Lakhs**
- (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 **"work involving transmission and integration of data from solar power plants/any electrical substations to TRANSCO/SLDC/NLDC"**

Contractor shall hold valid Electrical License issued by Chief Electrical Inspectorate. Attested copy of the same shall be submitted along with bid.

(D) FOR EXPERIENCE BASED ON COMPOSITE WORKS

- I. In case applicant has executed composite works which includes the qualifying similar nature of works for a minimum value as stated in 5.1 (A) & 5.1 (C), then value of such similar work meeting the qualification criteria out of the total value of composite works shall be considered for the purpose of pre-qualification.
- II. For composite works, in the event the value of the qualifying work(s) cannot be ascertained from the work order/ completion certificate submitted by applicant, copy of Schedule of Rates (SOR), relevant pages of Contracts, Copy of relevant pages of final bill certified by OWNER, highlighting the items for establishing requirement of ELIGIBILITY Experience Criteria or written letter from their Owner specifying the nature of work with quantities and values can be submitted for pre-qualification.

Attested copies of experience certificates as proofs of evidence as stated in 5.1 (A) and 5.1 (D) above are to be uploaded.

Experience certificates and duly filled in FORM-C included in the bid document (Technical Evaluation sheet) should be uploaded

5.2 **Financial Criteria** (Eligibility criteria for participation in tendering)

- A) All conditions as detailed at this clause no. 5.2 (i.e. Financial Criteria) below shall be satisfied by the bidder.
- B) For Bid Evaluation, Bidder shall furnish complete audited annual financial year statements including audit report, balance sheets, profit & loss accounts statement and all other schedules etc. for the immediate preceding three financial years, in support of meeting the financial criteria as mentioned above.
- C) The average annual financial turn over should be at least 100% of the estimated cost i.e. **Rs. 60 Lakhs** during the immediate last 3 consecutive financial years ending with **2023-24**.

For Bid Evaluation/ Pre-qualification, bidder's financial statement for 12 months as shown in their financial statement shall be considered as financial year

- (i) The Bidder should not have incurred any loss in more than two years during last 5 years period ending with last financial year 2023-24.
- (ii) Copy of Auditor's Balance sheet and duly filled in FORM-A included in the bid document (Tech Forms A to H) should be uploaded and submitted by bidders in support of the Annual Turnover criteria.

The turnover certificate from the Chartered Accountant for the last five years as mentioned in the bid document should also be uploaded.

- D) **Solvency:** Bidder should have the solvency amount equal to or not less than **Rs. 24 Lakhs**

Copy of Fresh Solvency Certificate issued by any scheduled Bank issued after **01.04.2024** (as per Appendix-III to detailed NIT) and FORM-B of bid document (Tech Forms A to H) are required to be uploaded and submitted.

- E) **BIDDING CAPACITY:** The bidding capacity of the bidder should be equal to or more than the estimated cost of this Tender work i.e. **Rs 60 lakhs**. The bidding capacity shall be worked out by the following formula:

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

Where,

A = Maximum turnover in construction works executed in one year during the last 5 years taking into account the completed as well as work in progress. The value of works shall be brought to current costing level by enhancing at simple interest of 7% per annum till last day of submission of tender.

N = Number of years prescribed for completion of work for which bids has been invited i.e. **0.67 Years**

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

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

Certificates of running works/Works in progress, duly filled in FORM-D included in the bid document (Technical Evaluation sheet) should be uploaded and submitted.

- F) Registration of GST ,PAN, LIN, ESI & EPF (Copies to be scanned and uploaded)

- 5.3 Technical and Administrative Personnel: List of Technical Staff and administrative personnel possessed by bidder is to be indicated in FORM-G included in the bid document (Technical Evaluation sheet) should be uploaded and submitted. The minimum requirement of Technical Staff and administrative personnel for the work proposed to be deployed by the bidder for completion of work in all respects shall be as per Appendix-I to this detailed NIT. The period of absence of technical manpower will be charged and deducted from your bills.

- 5.4 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 Appendix-II to this Detailed NIT. However, the equipment details possessed or hired shall be indicated in FORM-H included in the bid document(Technical Evaluation sheet) and should be uploaded and submitted

- 6.0 In-house work experience: In-house work experience shall not be considered as valid experience for the purpose of qualification.
- 6.1 The bid of consortium/ joint venture and foreign bidders are not allowed. However, Experience of Joint venture will be considered and in such case, the experience of only bidding entity for qualification is taken. Experience of work by subletting will be considered for Govt. works only. In such case approval for subletting the work shall be certified by not below rank of Executive Engineer.
- 7.0 SSI/MSME/PSU (Central & State) are not exempted from submission of EMD. Purchase preference for SSI/MSME/PSU shall not be provided for this tender.
- 8.0 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-VI 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.

- 9.0** On CPP Portal, all documents of NIT Document, work item documents including technical evaluation documents constitute techno commercial bid. Among them, Technical evaluation sheets and documents under Para 10 only shall be uploaded and submitted in hard copies at the time of opening of Techno-commercial bid.
- 10.0** Certificates to be uploaded after clubbing as given below and to be scanned and uploaded online during submission of bid documents.
- i) Scanned copy of EMD, Financial Turnover, Profit and Loss, Solvency, Bidding Capacity.
  - ii) Scanned copies of completion certificates of works completed and work orders for works in hand.
  - iii) Scanned copy of list of construction plant and machinery and technical staff.
  - iv) Scanned copy of Registration, GST, PAN, ESI, EPF and LIN.
  - v) Scanned copy of bidder declaration and tender acceptance.
  - vi) Duly filled Forms A to H and checklist along with Technical Evaluation Sheet.
  - vii) Scanned copy of other documents as per NIT.

**The hard copies of EMD only shall be submitted as defined in submission of tenders.**

**EMD may also be submitted in the form of online portal through Non-Tax Receipt Portal (NTRP) also known as Bharatkosh. Head of account for EMD is 844300103020000 with PAO code 046151 and DDO code 200901, NFC and Ministry/Department as “Atomic Energy”. The soft copy of online payment receipt and challans generated through the system may be uploaded along with the bid in the enclosed format “Annexure to NIT” for enabling refund of EMD.**

The following are the Technical Evaluation sheets in .xls format to be uploaded related to the qualification criteria available. The data so filled will be verified with respect to the above documents uploaded.

- FORM- A: Financial information
- FORM-B: Solvency certificate from Applicant’s Bankers
- FORM-C: Details of all works of similar class completed during the last seven years.
- FORM-D: Projects under execution or awarded
- FORM-E: Performance report of works referred to in form “C” & “D”
- FORM-F: Structure & organization
- FORM-G: Details of technical & administrative personnel to be employed for the work
- FORM-H: Details of plant & equipment likely to be used in carrying out the work
- CHECKLIST

- 11.0** Entire Tender document is available on CPP Portal

Schedule-A to F illustrating Schedule of quantities(SOQ), Material supplied by the Department, Land earmarked and tools and plants to be hired by contractor, Extra schedule for specific requirements/documents for work, % of material component for clause 10(C) (C), Provisions applicable in clauses of contract.

Schedule of Quantities (SOQ) is e-formats available in Finance bid shall be filled and uploaded. NO hard copy shall be submitted.

NOTE: Contractor shall download Finance bid or SOQ (Bill of Quantities) as above and save on the system on the desktop without changing file names

**12.0** Corrigendum/amendment: The changes, if any, in the tender subsequent to uploading by the department like extension of dates of NIT, specifications or item descriptions or quantity or units etc., are available and they will form part of tender.

**12.1** Mode of submission of offer: The offer to be submitted consists of

**12.2.1:** On-line submission of bid documents- Technical evaluation formats- forms A to H, Checklist and Schedule of Quantities of Bid document after filling requisite data are to be uploaded with the same file name after input of EMD details within the time and date of On line submission as given.

**No hard copies of Filled-up Schedule of A or Schedule of quantities (Financial Bids) shall be submitted.**

**12.2.2:** Submission of Hard copies of certificates: Only hard copy of EMD in original shall be submitted for fulfillment of tender conditions to DEPUTY CHIEF ENGINEER(PD,EP), Electrical Projects, 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500 062 within the time and date of submission of credentials.

The original EMD shall be placed in single sealed Cover superscribed as “EMD”.

Hard copy of other documents need not be submitted, only the soft copies in pdf format to be uploaded in the CPP portal.

The cover shall have mention of Name of work, date & time of opening of bids **addressed and submitted to DEPUTY CHIEF ENGINEER(PD,EP),, Electrical Projects, 2nd Floor, Sarathi Building, Nuclear Fuel Complex, Hyderabad-500 062** on or before last date and time of submission as notified. The documents submitted shall be opened at 15:00 hrs on the same day.

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

**14.0** Contractor can upload documents in the form of PDF, JPG and Zip format.

**15.0** Any additional information given/ sought for techno-commercial clarifications during pre-bid clarifications and corresponding document will form part of contract shall be scanned and uploaded.

**16.0** Return of EMD on Disqualification: The qualification bid documents as per NIT shall be evaluated and names of eligible bidders are approved by the competent authority after evaluation as per Eligibility Criteria mentioned at para 5.0 above. The EMD of bidders who are not qualified in pre-qualification/qualification stage will be returned.

**17.0** Document Certification: All pages of Techno-Commercial documents for pre-qualification/ qualification are to be duly self attested by bidder. 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.

**18.0** e - tender system neither allow the bidder to download the empty bid documents such as technical evaluation sheets(Forms A to H), Checklist and schedule of quantities nor accept to upload the same after due dates and time given in NIT.

**19.0** Technical meeting may be conducted if required for discussions for evaluation or clarifications.

**20.0** Bidders are required to submit the requisite data with bid itself

**20.1 Mode of filling Financial Bid**

Bidder must ensure to quote rate of each item. The column in blue colour is meant for quoting rate in figures. However, while selecting if any cell has the value as "0" 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.

20.2 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.

20.3 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.

20.4 Only if it is desired by the department, to submit revised financial bid, then it shall be mandatory for the bidder to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.

20.5 Bidder shall not disclose rates quoted in Financial Bid nor shall enclose/submit any hard copy along the EMD.

20.6 Predatory pricing is not accepted.

**21.0** The bid submitted shall become invalid if

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload all the documents as stipulated in the NIT.
- (iii) Any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted in the Cover I & Cover II physically in the office of tender opening authority.
- (iv) The tender is cancelled by the department.

**22.0 Performance Bank Guarantee (PBG):** The bidder whose offer is accepted is required to submit Performance Guarantee within a period of 7 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 Insurance Surety Bonds/Account payee Demand Draft/ FDR /Banker's cheque/ from a Commercial Bank issued in favour of Pay and Accounts Officer, NFC payable at Hyderabad. PG can also be submitted through NTRP portal. Bank Guarantee from any scheduled Bank valid up to 2 months after completion of work accepted by Engineer-in-charge or as mentioned in LOA or Order issued by the Department. The period beyond mentioned in LOA may be extended with a late fee of 0.1% per day of PG amount.